

The Business Environment and Enterprise Performance Survey (BEEPS) 2008-2009

A Report on methodology and observations
November 2013

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1 Background

The Business Environment Survey (BEEPS) is a joint initiative of the European Bank for Reconstruction and Development (EBRD) and the World Bank Group (the World Bank). The survey was first undertaken on behalf of the EBRD and World Bank in 1999 – 2000, when it was administered to approximately 4000 enterprises in 26 countries of Eastern Europe and Central Asia (including Turkey) to assess the environment for private enterprise and business development.

In the second round of the BEEPS, the survey instrument was administered to approximately 6500 enterprises in 27 countries (including Turkey but excluding Turkmenistan) in the year 2002. In the third round of the BEEPS, the survey included approximately 9,500 enterprises in 28 countries in the year 2005. In seven of the countries the survey also included an additional sampling overlay of the manufacturing sector in addition to the main BEEPS sample.

In the fourth round of the BEEPS in 2008-2009, the survey covered almost 12,000 enterprises in 29 countries (including Mongolia for the first time). The survey was restructured to improve cross-country comparability and to make it compatible with the Enterprise Surveys the Enterprise Analysis Unit of the World Bank has been implementing in the past two years in other regions of the world.

The objective of the survey is to obtain feedback from enterprises in EBRD countries of operation on the state of the private sector as well as to help in building a panel of enterprise data that will make it possible to track changes in the business environment over time.

The report outlines and describes the sampling design of the data, the data set structure as well as additional information that may be useful when using the data, such as information on non-response cases and the appropriate use of weights.

The fourth round of BEEPS was implemented by TNS Opinion in cooperation with local partners. For details, refer to Annex A.

BEEPS IV has been supported by the Taiwan Business - EBRD TC Fund and EBRD - Canadian Technical Cooperation Fund 2006-2009.

2 BEEPS Methodology

2.1 Survey universe, sample population and sampling frames

The survey universe was defined as commercial, service or industrial business establishments with at least five full-time employees. Government departments including military, police, education, health and similar activities were excluded, as were those in primary industries including agriculture, mining, etc. There are no up to date and reliable statistics relating to this universe in the countries being surveyed in BEEPS IV. Consequently the universe size and characteristics have to be directly estimated from the survey results themselves. This requirement increases the emphasis that has to be placed on the quality of the sample frame, because the validity of the results is predominantly a function of coverage and age of the sampling frame.

The criteria used to evaluate the available sampling frame in descending priority were those of:

- Coverage
- Up to datedness
- Availability of detailed stratification variables

- Location identifiers- address, phone number, email
- Electronic format availability
- Contact name(s)

The sample frames used for the surveys must consist of the lists of enterprises in each country that most optimally meet these requirements. The final selection was made by the TNS in collaboration with the EBRD and the World Bank. For most countries covered in BEEPS IV two sample frames were used. The first sample frame was often an official frame of establishments supplied by the national statistical office of the country and the second sample frame consisted of establishments that participated in BEEPS III. The Enterprise Survey conducted for the World Bank in Albania in 2007/8 showed that a suitable frame did not exist for the country. Instead, the design returned to first principles, using a blocks enumeration methodology.

2.2 Specifications of the survey

2.2.1 Coverage of countries:

Fourth round of BEEPS was implemented in 29 countries (Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Estonia, Former Yugoslav Republic of Macedonia, Georgia, Hungary, Kazakhstan, Kyrgyz Republic, Latvia, Lithuania, Moldova, Mongolia, Montenegro, Poland, Romania, Russia, Serbia (including Kosovo under UNSCR 1244), Slovak Republic, Slovenia, Tajikistan, Turkey, Ukraine and Uzbekistan). It was not possible to implement BEEPS in Turkmenistan.

2.2.2 Sampling structure

In all countries where a reliable sample frame was available (except Albania), the sample was selected using stratified random sampling, following the methodology explained in the Sampling Manual (available at <http://www.enterprisesurveys.org/Methodology/>). Stratified random sampling was preferred over simple random sampling for several reasons:

- To obtain unbiased estimates for different subdivisions of the population with some known level of precision.
- To obtain unbiased estimates for the whole population. The whole population, or the universe of the study, is the non-agricultural economy. It comprises all manufacturing sectors according to the group classification of ISIC Revision 3.1 (group D), construction sector (group F), services sector (groups G and H), and transport, storage and communications sector (group I). Note that this definition excludes the following sectors: financial intermediation (group J), real estate and renting activities (group K, except sub sector 72, IT, which was added to the population under study), and all public or utilities sectors.
- To make sure that the final total sample includes establishments from all different sectors and that it is not concentrated in one or two of industries/sizes/regions.
- To exploit the benefits of stratified sampling where population estimates, in most cases, will be more precise than using a simple random sampling method (i.e., lower standard errors, all things being equal).
- Stratification may produce a smaller bound on the error of estimation than would be produced by a simple random sample of the same size. This result is particularly true if measurements within strata are homogeneous.
- The cost per observation in the survey may be reduced by stratification of the population elements into convenient groupings.

Due to a lack of reliable sample frame blocks enumeration was used in Albania. Detailed description can be found under country-specific information.

Three levels of stratification were used in all countries: industry, establishment size and region. The original sample designs with specific information of the industries and regions chosen are described in country-specific pages in Annex A.

In all countries, the sample was stratified along Manufacturing, Retail trade (sector 52) and Other services. In some of the countries, there were specific target numbers of interviews for more detailed sectors within these three groups.

Size stratification was defined following the standardized definition for the rollout: small (5 to 19 employees), medium (20 to 99 employees), and large (more than 99 employees).¹ For stratification purposes, the number of employees was defined on the basis of reported permanent full-time workers. This seems to be an appropriate definition of the labour force, since seasonal/casual/part-time employment is not a common practice, except in the sectors of construction.

Details on the regional stratification can be found in country-specific information in Annex A.

There were no additional requirements on the ownership, exporter status, location or years in operation of the establishment as was the case in the previous rounds of BEEPS. Along the defined stratification guidelines, priority was given to completing interviews with establishments who participated in BEEPS 2005. As mentioned, stratified random sampling was used in this round of BEEPS, whereas quota (non-random) sampling was used in the three previous rounds of BEEPS.

2.3 Sampling implementation

Given the stratified design, sample frames containing a complete and updated list of establishments for the selected regions were required. Great efforts were made to obtain the best source for these listings. However, the quality of sample frames was not optimal and, therefore, some adjustments were needed to correct for the presence of ineligible units. These adjustments are reflected in the weights computation.

For most countries covered in BEEPS IV two sample frames were used. The first sample frame was obtained from the official sources in the countries (details for each country can be found in country-specific information). The second sample frame, supplied by the EBRD and the World Bank, consisted of enterprises interviewed in BEEPS 2005. TNS Opinion was required to attempt to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical region and met eligibility criteria. That sample is referred to as the Panel. In Turkey, both BEEPS and World Bank's Investment Climate Survey (ICS) were conducted in 2005 and the World Bank's ICS sample was used as the Panel sample for BEEPS IV as it had more observations.

In Albania and Croatia, the World Bank conducted an Enterprise Survey in 2007. Before doing the BEEPS IV there, it was first necessary to remove any establishments that had been selected for use in World Bank Enterprise Survey in 2007. Examination of the remaining establishments and the panel establishments showed that they would not be sufficient to obtain the target number of interviews. Therefore, it was agreed that the numbers could be augmented by re-interviewing establishments interviewed for the Enterprise Survey 2007, asking them only additional questions. A few such cases also occur in Bulgaria, where World Bank Enterprise Survey was also implemented in 2007.

¹ The panel firms from BEEPS with less than 5 employees are included in the 5 to 19 strata.

The quality of the sample frames was assessed at the onset of the project. The sample frames proved to be useful, though they all showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations.

In Poland and Russia, the original sample target was not achieved in the first wave. We went back to the field in these two countries and completed additional interviews (78 in Poland and 256 in Russia) which brought the total number of completed interviews closer to the target number of interviews. Note that the World Bank decided not to include these interviews in the BEEPS dataset available on their website.

Table 1 depicts the targeted number of interviews for BEEPS IV, along with achieved total number of interviews and number of interviews with panel establishments.

Table 1: Targeted and achieved number of interviews

Country	Number of interviews						Completed in 2005	
	Target	Completed	- Panel	- Manufacturing	- Retail	- Core	Main BEEPS	Manufacturing overlay
Albania	200	175	17	65	47	63	204	na
Armenia	360	374	99	113	154	107	201	150
Azerbaijan	360	380	106	120	144	116	200	150
Belarus	360	273	71	84	126	63	325	na
Bosnia and Herzegovina	360	361	63	124	127	110	200	na
Bulgaria	270	288	118	95	150	43	300	na
Croatia	270	159	50	71	55	33	236	na
Czech Republic	270	250	17	94	90	66	343	na
Estonia	270	273	66	90	124	59	219	na
FYR Macedonia	360	366	87	115	142	109	200	na
Georgia	360	373	68	121	139	113	200	na
Hungary	270	291	62	103	105	83	312	298
Kazakhstan	600	544	77	181	203	160	300	285
Kyrgyz Republic	360	235	71	92	82	61	202	na
Latvia	270	271	57	89	111	71	205	na
Lithuania	270	276	45	97	113	66	205	na
Moldova	360	363	128	110	149	104	200	150
Mongolia	360	362	na	132	86	144	na	na
Montenegro	120	116	5	37	44	35	17*	na
Poland	540	533	79	172	175	186	580	395
Romania	540	541	92	193	192	156	315	285
Russia	1260	1256	57	734	207	315	601	na
Serbia	360	388	112	132	158	98	283*	na
Kosovo under UNSCR 1244	270	270	na	98	63	109	na	na
Slovak Republic	270	275	33	86	97	92	220	na
Slovenia	270	276	57	102	101	73	223	na
Tajikistan	360	360	67	116	151	93	200	na
Turkey	1160	1152	425 [†]	860	165	127	557	na
Ukraine	840	851	120	487	182	182	594	na
Uzbekistan	360	366	112	121	160	85	300	na
TOTAL	12280	11998	2361	5020	3794	3106	7942	1713

Notes:

* In 2005, Serbia and Montenegro were part of Yugoslavia and 300 interviews were completed on their territories.

† Panel sample frame for Turkey refers to World Bank's Investment Climate Survey conducted in 2005 and there were 425 interviews conducted with panel establishments from that sample. Note that these cannot be matched to Turkey BEEPS 2005 establishments.

3 Survey and item non-response

Survey non-response must be differentiated from item non-response. The former refers to refusals to participate in the survey altogether whereas the latter refers to the refusals to answer some specific questions. BEEPS suffers from both problems and different strategies were used to address these issues.

Item non-response was addressed by two strategies:

- For sensitive questions that may generate negative reactions from the respondent, such as corruption or tax evasion, enumerators were instructed to collect the refusal to respond as (-8).
- Establishments with incomplete information were re-contacted in order to complete this information, whenever necessary. However, there were clear cases of low response.

Survey non-response was addressed by maximising efforts to contact establishments that were initially selected for interviews. Up to 4 attempts were made to contact an establishment for interview at different times/days of the week before a replacement establishment (with similar strata characteristics) was suggested for interview. Survey non-response did occur, but substitutions were made in order to potentially achieve strata-specific goals.

Details on rejection rates, eligibility rates, and item non-response are available at the strata level. This report summarized these numbers to alert researchers to these issues when using the data and when making inferences.

4 BEEPS Database

4.1 Database structure

The structure of the database reflects the fact that three different versions of the questionnaire were used. The basic questionnaire, the Core Module, includes all common questions asked to all establishments from all sectors (manufacturing, services and IT). The second expanded variation, the Manufacturing Questionnaire, is built upon the Core Module and adds some specific questions relevant to the sector. The third expanded variation, the Services Module, is also built upon the Core Module and adds to the core specific questions relevant to either retail or IT. Each variation of the questionnaire is identified by the index variable, *a0*.

All variables are named using, first, the letter of each section and, second, the number of the variable within the section (i.e., *a1* denotes section A, question 1). Variable names preceded by "eca" indicate either questions used in BEEPS 2005 or questions specific to BEEPS IV (Table 2 identifies these questions), and therefore, they may not be found in the implementation of Enterprise Surveys in other parts of the world. All other suffixed variables are global and are present in all country surveys over the world. All variables are numeric, with the exception of the variables ending with "x". The suffix "x" denotes that the variable is alpha-numeric.

In Albania and Croatia, the World Bank conducted an Enterprise Survey in 2007. Some of the interviews in these two countries were completed by re-interviewing establishments interviewed for the Enterprise Survey 2007, asking them only additional questions. In particular, the responses to the following questions were taken directly from the Enterprise Survey 2007: *a7, a8, a9, a10, a11, a14d, a14m, a14y, a14h, a14min, b1, b1x, b3, b2a, b2b, b2c, b2d, b2dx, b4, b5, b6, b6a, b6b, b7, b8, c3, c4, c5, c6, c7, c8, c9a, c9b, c12, c13, c14, c19, c20, c21, c22a, c22b, c30a, d2, d3a, d3b, d3c, d4, d8, d30a, d30b, e11, e30, g2, g3, g4, g30a, i1, i2a, i2b, i3, i4a, i4b, i30, k2a, k2b, k2c, k4, n5a, n5b, k5a, k5i, k5f, k6, k7, k8, k9, k11, k13, k14a, k14b, k14c, k14d, k14e, k15, k16, k17, k21, k30, h7a, j2, j3, j4, j5, j6a, j6, j7a, j7b, j10, j11, j12, j13, j14, j15, j30a, j30b, j30c, j30e, j30f, h30, l1, l2, l6, l8, l30a, l30b, m1a, m1d, n2a, n2b, n2c, n3, a15m, a15d, a15h, a15min, a15a1a, a15a2a, a15a3a, a15a1b, a15a2b, a15a3b, a17x, a18, a19h and a19min*. These establishments are identified by the dummy variable *es2007*, which is equal to 1 if the establishment that participated in Enterprise Survey in 2007 was re-interviewed with additional questions only.

Table 2: Variable names preceded by “eca” - BEEPS 2005 and specific to BEEPS IV

BEEPS 2005 questions	BEEPS IV-specific questions
ecaq5 (q5)	ecae30
ecaq5x (q5x)	ecab7a
ecaq63a (q63a)	ecad8a
ecaq63b (q63b)	ecao1
ecaq63c (q63c)	ecao2
ecaq64a (q64a)	ecao3
ecaq64b (q64b)	ecao6
ecaq64c (q64c)	ecao14
ecaq53 (q53)	ecao15
ecao4 (q58b)	ecao15x
ecao11 (q60a6)	ecaw1
ecao12 (q60a3)	ecaw2
ecao13 (q60a2)	ecaw3
ecak5c (q45a19)	ecaw30
ecaq31e (q31e)	ecap1
ecaq39 (q39)	ecap2
ecaq41a (q41a)	ecap3
ecaq41b (q41b)	ecap4
ecaq41c (q41c)	ecap5
ecaq52a (q52a1)	ecap6
ecaq52b (q52a2)	ecap7
	ecap30
	ecag9
	ecag10
	ecag11
	ecag12
	ecag13
	ecag14
	ecak5b
	ecaj1b
	ecaj1c
	ecaj5a
	ecaj14a
	ecaq69
	ecaq69x

Note: Variable names in brackets are the equivalent variable names from BEEPS III.

There are two establishment identifiers, *idstd* and *id*. The first is a global unique identifier. The second is a country unique identifier. The variables *a2* (sampling region), *a6a* (sampling establishment’s size) and *a4a* (sampling sector) contain the establishment’s classification into the

strata chosen for each country using information from the sample frame. The strata were defined according to the guidelines described above and in country-specific information.

There are three levels of stratification: industry, size and region. Different combinations of these variables generate the strata cells for each industry/region/size combination. A distinction should be made between the variable *a4a* (sampling sector) and *d1a2* (industry expressed as ISIC rev. 3.1 code). The former gives the establishment's classification into one of the chosen industry-strata, whereas the latter gives the actual establishment's industry classification (four digit code) in the sample frame.

All of the following variables contain information from the sampling frame and were defined with the sampling design. They may not coincide with the reality of individual establishments as sample frames may contain inaccurate information. The variables containing the sample frame information are included in the data set for researchers who may want to further investigate statistical features of the survey and the effect of the survey design on their results:

- *a2* is the variable describing sampling regions
- *a6a*: coded using the same standard for small, medium, and large establishments as defined above
- *a4a*: coded using ISIC codes for the chosen industries for stratification.
- *id2005*: contains the firm ids of the panel firms
- *id2007*: contains the firm ids of the panel firms interviewed in an Enterprise Survey by the World Bank in 2007 (available only in Albania, Bulgaria and Croatia)

The surveys were implemented following a two-stage procedure. In the first stage, a screener questionnaire was applied over the phone to determine eligibility and to make appointments; in the second stage, a face-to-face interview took place with the Manager/Owner/Director of each establishment. The variables *a4b* and *a6b* contain the industry and size of the establishment from the screener questionnaire. Variables *a8* to *a11* contain additional information and were also collected in the screening phase.

There are additional variables for location (*a3x*), industry (*d1a2*) and size (*l1*, *l6* and *l8*) that reflect more accurately the reality of each establishment:

- Variable *a3x* indicates the actual location of the establishment. There may be divergencies between the location in the sampling frame and the actual location, as the establishment may be listed in one place but the actual physical location is in another place.
- Variable *d1a2* indicates the actual ISIC code of the main output of the establishment as answered by the respondent. This is probably the most accurate variable to classify establishments by activity.
- Variables *l1*, *l6* and *l8* were designed to obtain a more accurate measure of employment accounting for permanent and temporary employment. Special efforts were made to make sure that this information was not missing for most establishments.
- Variable *a17x* gives interviewer comments, including problems that occurred during an interview and extraordinary circumstances which could influence results.

Note that certain variables (including *a3x*, actual location of the establishment) have been removed from the public version of the dataset for confidentiality reasons.

4.2 Weights

Since the sampling design was stratified and employed differential sampling, individual observations should be properly weighted when making inferences about the population. Under stratified random sampling unweighted estimates are biased unless sample sizes are proportional

to the size of each stratum. With stratification the probability of selection of each unit is, in general, not the same. Consequently, individual observations must be weighted by the inverse of their probability of selection (probability weights or *pw* in Stata).²

Special care was given to the correct computation of weights. Considering the varying quality of the sample frames, it was imperative to accurately adjust the totals within each region/industry/size stratum to account for the presence of ineligible units (the firm discontinued business or was unattainable, education or government establishments, non-panel establishments with less than 5 employees, no reply after having called on different days of the week and at different business hours, out of order, no tone in the phone line, answering machine, fax line, wrong address or moved away and could not get the new reference). The information required for the adjustment was collected in the first stage of the implementation, during the screening process. Using this information, each stratum cell of the universe was scaled down by the observed proportion of ineligible units within the cell. Once an accurate estimate of the universe cell (projections) was available, weights were computed using the number of completed interviews. Note that panel firms with less than 5 employees were also included in the eligible sample and special code zero was used in *a6a* and *a6b* (sample and screener size) to reflect those cases.

For some units it was impossible to determine eligibility because the contact was not successfully completed. Consequently, different assumptions as to their eligibility result in different universe cells' adjustments and in different sampling weights. Three sets of assumptions were considered:

1. *Strict assumption*: Eligible establishments are only those for which it was possible to directly determine eligibility. The resulting weights are included in the variable *wstrict*.
2. *Median assumption*: Eligible establishments are those for which it was possible to directly determine eligibility and those that rejected the screener questionnaire or an answering machine or fax was the only response. The resulting weights are included in the variable *wmedian*.
3. *Weak assumption*: In addition to the establishments included in the first two points, all establishments for which it was not possible to finalize a contact are assumed to be eligible. This includes establishments with dead or out of service phone lines, establishments that never answered the phone, and establishments with incorrect addresses for which it was impossible to find a new address. The resulting weights are included in the variable *wweak*. Note that under the weak assumption only observed non-eligible units are excluded from universe projections.

Table 3 summarizes the eligibility criteria for each of the above three assumptions. For Albania, only one set of weights was calculated due to the different source of sample frame. They can be found in the variable *weights_al*. For Poland and Russia, two different sets of weights are available in the dataset since additional interviews were completed after the first set of interviews was completed and weights were calculated. The first set of weights is called *wstrict*, *wmedian* and *wweak* and was prepared by TNS. The second set of weights was calculated by the WB (Poland) and EBRD (Russia) taking into account additional completed interviews – the names of these variables are *wstrict2*, *wmedian2*, and *wweak2*.

Within each of these assumptions regarding eligibility a pair of weight sets was calculated. The first set of estimates calculated proportions using the raw sample count for each cell. However, the achieved sample numbers in many cells were small. Hence, those eligibility rates, and the adjusted universe cells projections, are subject to relatively large sampling variations. Therefore a second set of more robust estimates (collapsed weights) was also produced where needed.

² This is equivalent to the weighted average of the estimates for each stratum, with weights equal to the population shares of each stratum.

Those estimates made use of the multiples of the relative eligibility rates for each industry, size and region. Those relative rates were based on much larger samples than the individual cells and thus produced values with smaller sampling variations. The dataset includes only these robust weights where applicable.

Note that for the purpose of the weights computations all panel firms were considered to be part of the current universe, although technically they are not randomly selected.

Table 3: Eligibility criteria

Status Code	Eligibility Criteria		
	Strict	Weak	Median
1. Eligible establishment (Correct name and address)	1	1	1
2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1	1	1
3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1	1	1
4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	1	1	1
16. Panel firm - now less than five employees	1	1	1
5. The establishment has less than 5 permanent full time employees	0	0	0
6. The firm discontinued businesses	0	0	0
7. Not a business: Private household	0	0	0
8. Ineligible activity: education, agriculture, finances, governments...	0	0	0
91. No reply (after having called in different days of the week and in different business hours)	0	1	0
92. Line out of order	0	1	0
93. No tone	0	1	0
10. Answering machine	0	1	1
11. Fax line – data line	0	1	1
12. Wrong address/ moved away and could not get the new references	0	1	0
13. Refuses to answer the screener	0	1	1
14. In process (the establishment is being called/ is being contacted – previous to ask the screener)	0	0	0
151. Out of target – outside the covered regions, firm moved abroad	0	0	0
152. Out of target – firm moved abroad	0	0	0

Strict eligibility = (Sum of the numbers with codes 1,2,3,4,&16) / Total

Weak eligibility = (Sum of the numbers with codes 1,2,3,4,16,91,92,93,10,11,12,&13) / Total

Median eligibility = (Sum of the numbers with codes 1,2,3,4,16,10,11, & 13) / Total

4.2.1 Appropriate use of the weights

As discussed above, under stratified random sampling weights should be used when making inferences about the population. Any estimate or indicator that aims at describing some feature of the population should take into account that individual observations may not represent equal shares of the population.

However, there is some discussion as to the use of weights in regressions (see Deaton, 1997, p.67; Lohr, 1999, chapter 11, Cochran, 1977, p. 150). There is not strong large sample econometric argument in favour of using weighted estimation for a common population coefficient if the underlying model varies per stratum (stratum-specific coefficient): both simple OLS and weighted OLS are inconsistent under regular conditions. However, weighted OLS has the advantage of providing an estimate that is independent of the sample design. This latter point may be quite relevant for BEEPS as in most cases the objective is not only to obtain model-

unbiased estimates but also design-unbiased estimates (see also Cochran, 1977, p. 200 who favours the use of weighted OLS for a common population coefficient).³

For a more general approach, if the regressions are descriptive of the population then weights should be used. The estimated model can be thought of as the relationship that would be expected if the whole population were observed.⁴ If the models are developed as structural relationships or behavioural models that may vary for different parts of the population, then there is no reason to use weights.

5 Bibliography

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³ Note that weighted OLS in Stata using the command regress with the option of weights will estimate wrong standard errors. Using the Stata survey specific commands svy will provide appropriate standard errors.

⁴ The use of weights in most model-assisted estimations using survey data is strongly recommended by the statisticians specialised on survey methodology of the JPSM of the University of Michigan and the University of Maryland.

Annex A Country-specific information on BEEPS survey

A.1 Albania

A.1.1. Sampling structure and implementation

The Enterprise Survey conducted for the World Bank in Albania in 2007/8 showed that a suitable second frame did not exist for the country. Instead, the design returned to first principles, using a blocks enumeration methodology. Detailed maps of major cities were obtained from aerial mappings projected to a usable scale. They served as the basis of a multi-stage approach: Each city was divided into “blocks” and then the blocks were classified into strata defined by the predominant spatial use, using local knowledge. The classifications used for the blocks included industrial, commercial, commercial/residential (mixed), and residential coding.

Before the enumerated establishments could be selected it was first necessary to remove any that had been selected for use in the World Bank Enterprise Survey 2007. Examination of the remaining establishments and the panel establishments showed that they would not be sufficient to obtain the target numbers of interviews. Therefore it was agreed that the numbers could be augmented by re-interviewing establishments interviewed for the World Bank Enterprise Survey 2007. Thus the selected sample had three components:

- The BEEPS 2005 sample that met eligibility criteria was used in its entirety.
- Then available enumerated blocks were selected.
- Finally establishments for re-interview were selected to make up any expected deficits from the first two components.

Regional stratification was defined in five regions. These regions are Tirana, Durrës, Elbasan, Fier, and Vlora.

Sectors included in the sample:

Original Sectors	Manufactures: 15 to 37 Services: 52 Residual: 45, 50, 51, 55, 60 to 64,72
Added Sectors	No

Blocks were selected and enumerated; building by building, floor by floor. Each separate unit was identified, classified as to use and in the case of business establishments further details collected as to employee numbers, activity, name, and phone number. This enumeration was then employed to project to universe totals by reference to the screening results and the number of blocks in each stratum. The establishments enumerated in those blocks were then used as the frame for the selection of the Enterprise Survey 2007 sample. Additional enumeration was conducted in 2008 and details of that enumeration were sent to TNS’s statistical team in London to combine the two sets and then to select the establishments for interview for BEEPS. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 26% (122 out of 476 establishments).

Fresh sample frame

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Tirana	1 to 19	55	76	141	272
	20 to 99	47	10	48	105
	100+	13	3	8	24
Tirana Total		115	89	197	401
Durrës	1 to 19	4	4	13	21
	20 to 99	7	0	8	15
	100+	2	0	0	2
Durrës Total		13	4	21	38
Elbasan	1 to 19	4	1	6	11
	20 to 99	3	1	3	7
	100+	0	0	0	0
Elbasan Total		7	2	9	18
Fier	1 to 19	13	1	3	17
	20 to 99	4	0	1	5
	100+	0	0	0	0
Fier Total		17	1	4	22
Vlora	1 to 19	10	5	10	25
	20 to 99	7	1	1	9
	100+	3	0	0	3
Vlora Total		20	6	11	37
Grand Total		172	102	242	516

Sources: World Bank Enterprise Survey 2007 and Enumeration in 2008

Panel sample frame

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Tirana	<5		1	1	2
	5 to 19	8	1	17	26
	20 to 99	10	1	12	23
	100+	4		8	12
Tirana Total		22	3	38	63
Dures	<5			1	1
	5 to 19	4		2	6
	20 to 99	6		2	8
	100+	1		1	2
Dures Total		11	0	6	17
Elbasan	<5				0
	5 to 19	1	1	6	8
	20 to 99	2		3	5
	100+	2			2
Elbasan Total		5	1	9	15
Fier	<5				0
	5 to 19	3		4	7
	20 to 99	2			2
	100+	1			1
Fier Total		6	0	4	10
Vlora	<5			1	1
	5 to 19	2	1	1	4
	20 to 99	2			2
	100+				0
Vlora Total		4	1	2	7
Grand Total		48	5	59	112

Source: BEEPS 2005

Enterprise survey 2007 sample frame

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Tirana	5 to 19	36	40	48	124
	20 to 99	26	6	31	63
	100+	13	2	4	19
Tirana Total		75	48	83	206
Dures	5 to 19	2		7	9
	20 to 99	7		4	11
	100+	2			2
Dures Total		11	0	11	22
Elbasan	5 to 19	2	2	7	11
	20 to 99	5		2	7
	100+				0
Elbasan Total		7	2	9	18
Fier	5 to 19	2		3	5
	20 to 99				0
	100+				0
Fier Total		2	0	3	5
Vlora	5 to 19	4	3	4	11
	20 to 99	4			4
	100+	2		1	3
Vlora Total		10	3	5	18
Grand Total		105	53	111	269

Source: Enterprise Survey 2007

Original sample design

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Tirana	1 to 19	22	42	23	87
	20 to 99	21	6	23	50
	100+	7	2	4	13
Tirana Total		50	50	50	150
Dures	1 to 19	2	2	6	10
	20 to 99	3	0	4	7
	100+	1	0	0	1
Dures Total		6	2	10	18
Elbasan	1 to 19	2	0	3	5
	20 to 99	1	0	1	2
	100+	0	0	0	0
Elbasan Total		3	0	4	7
Fier	1 to 19	6	0	1	7
	20 to 99	2	0	0	2
	100+	0	0	0	0
Fier Total		8	0	1	9
Vlora	1 to 19	4	3	5	12
	20 to 99	3	0	0	3
	100+	1	0	0	1
Vlora Total		8	3	5	16
Grand Total		75	55	70	200

A.1.2. Status codes

TOTAL

Complete interviews (Total)	175
Incomplete interviews	20
Elegible in process	0
Refusals	132
Out of target	39
Impossible to contact	77
Ineligible - coop.	6
Refusal to the Screener	3
Total	452

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	327
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	13
	6. The firm discontinued businesses	9
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	17
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	69
	92. Line out of order	0
	93. No tone	3
	10. Answering machine	2
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	3
	13. Refuses to answer the screener	3
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	24
	151. Out of target - outside the covered regions, firm moved abroad	1
	152. Out of target - firm moved abroad	1
Total	476	

PANEL

Complete interviews (Total)	17
Incomplete interviews	0
Elegible in process	0
Refusals	7
Out of target	12
Impossible to contact	43
Ineligible - coop.	6
Refusal to the Screener	3
Total	88

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	24
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	6
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	6
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	37
	92. Line out of order	0
	93. No tone	3
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	3
	13. Refuses to answer the screener	3
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	9
	151. Out of target - outside the covered regions, firm moved abroad	1
	152. Out of target - firm moved abroad	5
	Total	97

ENTERPRISE SURVEY 2007

Complete interviews (Total)	121
Incomplete interviews	0
Elegible in process	0
Refusals	47
Out of target	2
Impossible to contact	18
Ineligible - coop.	0
Refusal to the Screener	0
Total	187

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	168
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	2
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	0
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	16
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	1
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	0
	13. Refuses to answer the screener	0
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	13
151. Out of target - outside the covered regions, firm moved abroad	0	
152. Out of target - firm moved abroad	0	
Total	200	

FRESH

Complete interviews (Total)	37
Incomplete interviews	20
Elegible in process	0
Refusals	78
Out of target	25
Impossible to contact	17
Ineligible - coop.	0
Refusal to the Screener	0
Total	177

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	135
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	13
	6. The firm discontinued businesses	1
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	11
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	16
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	1
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	0
	13. Refuses to answer the screener	0
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	2
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	179

A.1.3. Cell Weights and Universe estimates

Individual cell weights

Region	Employees	Sector		
		Manufacturing	52	Residual
Tirana	1 to 19	11	7	10
	20 to 99	6	13	6
	100+	19		6
Durrës	1 to 19	2		11
	20 to 99	17		4
	100+	4		
Elbasan	1 to 19	11		2
	20 to 99			7
	100+			
Fier	1 to 19	21		
	20 to 99	5		
	100+			
Vlora	1 to 19	13	20	14
	20 to 99	4		
	100+	4		

As blocks enumeration was used in Albania the calculation of universe estimates and weights made use of data from the enumeration rather than from the BEEPS response codes used for other countries. The enumerated totals were adjusted to take account of the establishments found to be ineligible when interviews were attempted. Then ratios of the total numbers of blocks of each type to the totals enumerated were formed. Those ratios were then applied to the eligible establishments enumerated to provide universe estimates.

The overall estimate of the number of establishments in Albania based on the block ratios is 1513 establishments.

A.1.4. Survey and item non-response

The number of contacted establishments per realized interview was 2.58. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units.

A.1.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: IDRA Research & Consulting Country: Albania Membership of international organisation: ESOMAR Activities since: 2000
Name of Project Manager	Florian Babameto
Name and position of other key persons of the project	Fieldwork coordinator
Enumerators involved	Enumerators: 25 Recruiters: Enumerators were in charge of the recruitment as well
Other staff involved	Editing: 1 Data entry: 1 Data processing: 1

Sample Frame

Characteristic of sample frame used	N/A
Source	BEEPS 2005 Panel, 2008 Block Enumeration, 2007 Enterprise Survey list of establishments.
Year of publication	2008-2009
Comments on the quality of the sample frame	There were several changes in the contact information for the BEEPS 2005 panel which made the process of contacting these specific companies very difficult and in many cases the establishments could not be found.
Year and organisation that conducted the last economic census	N/A

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: Problematic finding the businesses in the retail sector. Most of businesses in the retail sector that operate in Albania have less than 5 employees. It was quite challenging finding eligible companies. Especially for this sector we used more than 3 contacts to get the interviews completed. As in the Enterprise Survey 2007, this was one of the main causes for not being able to reach the quotas for this sector (RETAIL). On regions: No major problems
Comments on the response rate	Response rate from the Enterprise Survey 2007 contacts was quite good, above 50%.
Comments on the sample design	All sample frames used for this survey, except the BEEPS 2005 panel, were very good because the contact details (phone numbers, addresses) were accurate and up to date. They were built from the blocks enumerations conducted in 2007 and 2008.

Fieldwork

Date of fieldwork	October 2008 – February 2009
Country	Albania
Number of interviews	Manufacturing: 65 Services (sector 52): 47 Core: 63
Problems found during fieldwork	The major problem was fixing an appointment with the target respondents. We contacted firms more than 4 times in order to complete the interviews.
Other observations	No.

Questionnaires

Problems for the understanding of questions (write question number)	No major problems
Problems found in the navigability of questionnaires (for example, skip patterns)	No major problems
Comments on questionnaire length	No major problems
Suggestions or other comments on the questionnaires	No major problems

Database

Data entry program chosen	PERTS
Comments on the data entry program	None
Comments on the data cleaning	N/A

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	Businesses in Albania usually operate with two balance sheets. They operate in this way in order to evade taxes. They keep one balance sheet for the tax purposes (the report they deliver to the tax office) and the other one for themselves. So when it comes to questions regarding businesses turnover, profit, expenditures, employees, etc, businesses sometimes provide the real figures and sometimes they don't. As decided with TNS Opinion, we recorded the answers as provided by the respondent.
Relevant country events that occurred during fieldwork	None
Other aspects	None

A.2 Armenia

A.2.1. Sampling structure and implementation

Two sample frames were used. The first was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the 3 selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The second sample frame consisted of files from the Armenian equivalent of “Yellow Pages”, as it was not possible to obtain an official frame for the country. The “Yellow Pages” files were considered the most reliable that could be obtained. That frame was sent to the TNS statistical team in London to select the establishments for interview.

Regional stratification was defined in four regions. These regions are North, South East, South West, and Yerevan. Table below shows the grouping of official administrative regions into these four regions.

Official administrative regions	Grouping used for stratification purposes in BEEPS IV
Yerevan	Yerevan
Lori	North
Shirak	
Tavush	
Aragatsotn	South West
Armavir	
Kotayk	
Ararat	South East
Gegharkunik	
Syunik	
Vayots Dzor	

Original Sectors	Manufactures: 15 to 37 Services: 52 Residual: 45, 50, 51, 55, 60 to 64,72
Added Sectors	No

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual

observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 37% (328 out of 895 establishments).

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Yerevan	5 to 19	135	299	355	789
	16 to 50	136	60	172	368
	20 to 99	3	2	16	21
	51 to 250	65	19	48	132
	100+	20	3	13	36
Yerevan Total		359	383	604	1346
South East	5 to 19	34	20	40	94
	16 to 50	7	1	11	19
	20 to 99	19	2	17	38
	51 to 250	5		4	9
	100+	11		3	14
South East Total		76	23	75	174
South West	5 to 19	6	1	17	24
	16 to 50	19	3	16	38
	20 to 99			1	1
	51 to 250	15	1	7	23
	100+	12			12
South West Total		52	5	41	98
North	5 to 19	2	1	21	24
	16 to 50	11	2	10	23
	20 to 99	1		2	3
	51 to 250	9		4	13
	100+	2			2
North Total		25	3	37	65
Grand Total		512	414	757	1683

Source: Yellow Pages of Armenia

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Yerevan	<5	4	6	4	14
	5 to 19	61	6	13	80
	20 to 99	45	3	2	50
	100+	12	1	5	18
Yerevan Total		16	122	24	162
South-East	<5	1			1
	5 to 19	3	1	0	4
	20 to 99	2	0	1	3
	100+	1	0	0	1
South-East Total		1	7	1	9
South-West	<5	2	5	2	9
	5 to 19	6	7	7	20
	20 to 99	8	0	3	11
	100+	7	0	1	8
South-West Total		12	23	13	48
North	<5	2	1		3
	5 to 19	10		5	15
	20 to 99	6	1	2	9
	100+	1	0	1	2
North Total		2	19	8	29
Grand Total		31	171	46	248

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Yerevan	5 to 19	26	69	25	120
	16 to 50	17	30	24	71
	20 to 99		1	2	3
	51 to 250	17	9	14	40
	100+	9	1	6	16
Yerevan Total		69	110	71	250
South East	5 to 19	11	7	13	31
	16 to 50	2		4	6
	20 to 99	6	1	6	13
	51 to 250	2		2	4
	100+	5		1	6
South East Total		26	8	26	60
South West	5 to 19	2		5	7
	16 to 50	5	1	5	11
	20 to 99				0
	51 to 250	5		2	7
	100+	5			5
South West Total		17	1	12	30
North	5 to 19	1		6	7
	16 to 50	3	1	3	7
	20 to 99			1	1
	51 to 250	3		1	4
	100+	1			1
North Total		8	1	11	20
Grand Total		120	120	120	360

A.2.2. Status codes

TOTAL

Complete interviews (Total)	374
Incomplete interviews	0
Elegible in process	0
Refusals	19
Out of target	134
Impossible to contact	109
Ineligible - coop.	85
Refusal to the Screener	174
Total	895

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	365
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	6
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	6
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	13
	16. Panel firm - now less than five employees	3
Ineligible	5. The establishment has less than 5 permanent full time employees	30
	6. The firm discontinued businesses	51
	7. Not a business: private household	19
	8. Ineligible activity: education, agriculture, finances, governments...	34
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	48
	92. Line out of order	32
	93. No tone	5
	10. Answering machine	4
	11. Fax line - data line	5
	12. Wrong address/ moved away and could not get the new references	15
	13. Refuses to answer the screener	174
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	2
	151. Out of target - outside the covered regions, firm moved abroad	85
	152. Out of target - firm moved abroad	0
Total	897	

PANEL

Complete interviews (Total)	99
Incomplete interviews	0
Elegible in process	0
Refusals	1
Out of target	54
Impossible to contact	49
Ineligible - coop.	5
Refusal to the Screener	23
Total	231

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	83
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	4
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	5
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	5
	16. Panel firm - now less than five employees	3
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	26
	7. Not a business: private household	16
	8. Ineligible activity: education, agriculture, finances, governments...	12
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	15
	92. Line out of order	22
	93. No tone	3
	10. Answering machine	1
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	8
	13. Refuses to answer the screener	23
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
151. Out of target - outside the covered regions, firm moved abroad	5	
152. Out of target - firm moved abroad	0	
Total	231	

FRESH

Complete interviews (Total)	275
Incomplete interviews	0
Elegible in process	0
Refusals	18
Out of target	80
Impossible to contact	60
Ineligible - coop.	80
Refusal to the Screener	151
Total	664

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	282
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	2
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	8
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	30
	6. The firm discontinued businesses	25
	7. Not a business: private household	3
	8. Ineligible activity: education, agriculture, finances, governments...	22
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	33
	92. Line out of order	10
	93. No tone	2
	10. Answering machine	3
	11. Fax line - data line	5
	12. Wrong address/ moved away and could not get the new references	7
	13. Refuses to answer the screener	151
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	2
151. Out of target - outside the covered regions, firm moved abroad	80	
152. Out of target - firm moved abroad	0	
Total	666	

A.2.3. Cell weights and universe estimates

Individual cell weights (strict)

		Sector		
Region	Employees	Manufacturing	52	Residual
Yerevan	5 to 19	2	2	8
	16 to 50	11	1	4
	20 to 99	1	1	4
	51 to 250	2	2	2
	100+	1	1	1
South East	5 to 19	1	1	2
	16 to 50	1		1
	20 to 99	1		2
	51 to 250	1		1
	100+	3		
South West	5 to 19	1	1	2
	16 to 50			12
	20 to 99	1		1
	51 to 250			6
	100+	2		
North	5 to 19	1	1	2
	16 to 50			7
	20 to 99	1	1	1
	51 to 250			
	100+	1		1

Individual cell weights (median)

		Sector		
Region	Employees	Manufacturing	52	Residual
Yerevan	5 to 19	3	3	11
	16 to 50	18	2	6
	20 to 99	1	1	5
	51 to 250	4	3	3
	100+	2	1	2
South East	5 to 19	1	2	2
	16 to 50	1		1
	20 to 99	1		2
	51 to 250	1		1
	100+	3		
South West	5 to 19	1	1	2
	16 to 50			13
	20 to 99	1		1
	51 to 250			6
	100+	3		
North	5 to 19	1	1	2
	16 to 50			8
	20 to 99	1	1	1
	51 to 250			
	100+	1		1

Individual cell weights (weak)

		Sector		
Region	Employees	Manufacturing	52	Residual
Yerevan	5 to 19	4	3	13
	16 to 50	23	2	6
	20 to 99	1	1	6
	51 to 250	5	3	3
	100+	2	1	2
South East	5 to 19	2	2	3
	16 to 50	1		1
	20 to 99	2		2
	51 to 250	2		1
	100+	4		
South West	5 to 19	2	1	2
	16 to 50			15
	20 to 99	1		1
	51 to 250			7
	100+	3		
North	5 to 19	1	1	3
	16 to 50			9
	20 to 99	1	1	1
	51 to 250			
	100+	2		1

Armenia universe estimates

Strict individual cell weights	Median individual cell weights	Weak individual cell weights
835	1221	1411

A.2.4. Survey and item non-response

The number of contacted establishments per realized interview was 2.40. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units.

A.2.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	
Name: Marketing Communications LLC	
Country: Armenia	
Membership of international organisation: N/A	
Activities since: 2006	
Name of Project Manager	Gayane Bakhshyan
Name and position of other key persons of the project	Recruiter and Project Assistant
Enumerators involved	Enumerators: 28 Recruiters: 10 In Yerevan, the capital city, recruitment was mostly done by a team of recruiters. The enumerators did the appointments for some cases only. In the regions, the regional supervisors were in charge of the recruitment.
Other staff involved	Fieldwork coordinators: 16 Editing: 24 Data entry: data entry was done at the regional coordination centre in Georgia, in charge of GORBI and not at the local office in Armenia.

Sample Frame

Characteristic of sample frame used	N/A
Source	Yellow Pages State Statistical Department (universe figures)
Year of publication	2007-2008
Comments on the quality of the sample frame	None
Year and organisation that conducted the last economic census	2008, State Statistical Department
Other sources for companies statistics	None

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: No specific issues noticed On regions: No specific issues noticed
Comments on the response rate	Most refusals were caused because the respondents distrusted the purpose of the survey (and feared it was for the Government), diffidence, lack of time and the target respondent being unreachable – away from the country, for example- for the whole fieldwork period.
Comments on the sample design	No special comments

Fieldwork

Date of fieldwork	October 2008 – February 2009
Country	Armenia
Number of interviews	Manufacturing: 113 Services (sector 52): 154 Core: 107
Problems found during fieldwork	The problem was that at first we were counting our target according to the screener information
Other observations	Majority of the respondents who answered hard data questions didn't tell the numbers from their annual financial books

Questionnaires

Problems for the understanding of questions (write question number)	No comments
Problems found in the navigability of questionnaires (for example, skip patterns)	No comments
Comments on questionnaire length	No comments
Suggestions or other comments on the questionnaires	No comments

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	None
Comments on the data cleaning	TNS opinion was in charge of preparing data validation reports, which were used as the basis for the data cleaning.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	Fieldwork in Armenia coincided with the post-presidential elections period, which could have influenced in respondent's answers. The second aspect is that fieldwork was launched at the end of year when the establishments were busy finalising their financial books. The third aspect was the economic crisis, leading many organizations in Armenia to bankruptcy.
Relevant country events that occurred during fieldwork	New Year holidays, spreading from December to January.
Other aspects	None

A.3 Azerbaijan

A.3.1. Sampling structure and implementation

Two sample frames were used. The first was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The second frame for Azerbaijan was obtained from the State Statistical Committee of the Republic of Azerbaijan (AZSTAT). That frame was sent to the statistical team in London to select the establishments for interview.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 49% (615 out of 1265 establishments).

Regional stratification was defined in four regions. These regions are “Baku & Apsheroni”, “Giandja-Kazakhski & Sheki-Zakatali”, “Lenkoranski & Kuba-Khachmazski”, and “Aranski & Gorno-Shirvanski”. Table below shows the grouping of official administrative regions into these four regions.

Official economic regions	Grouping used for stratification purposes in BEEPS IV
Baku & Apsheroni	Baku & Apsheroni
Aranski	Aranski & Gorno-Shirvanski
Gorno-Shirvanski (Daghlig Shirvan)	
Giandja-Kazakhski (Ganja-Gazakh)	Giandja-Kazakhski & Sheki-Zakatali
Sheki-Zakatali (Shaki-Zaqatala)	
Lenkoranski	Lenkoranski & Kuba-Khachmazski
Kuba-Khachmazski (Guba-Khachmaz)	
Autonomous Republic of Nakhchivan	Not covered – landlocked exclave
Nagorno Karabakh	Not covered – disputed region
Kalbajar-Lachin	Not covered – controlled by Nagorno Karabakh

Sectors included in the sample

Original Sectors	Manufactures: 15 to 37 Services: 52 Residual: 45,50,51,55,60 to 64,72
Added Sectors	No

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Baku & Apsheronki	5-19	458	235	1090	1783
	20-99	251	51	471	773
	100+	102	8	180	290
Baku & Apsheronki Total		811	294	1741	2846
Giandja-Kazakhski & Sheki-Zakatalski	5-19	87	63	204	354
	20-99	57	12	111	180
	100+	14	1	39	54
Giandja-Kazakhski & Sheki-Zakatalski Total		158	76	354	588
Lenkoranski & Kuba-Khachmazski	5-19	36	31	103	170
	20-99	17	4	49	70
	100+	6		11	17
Lenkoranski & Kuba-Khachmazski Total		59	35	163	257
Aranski & Gorno-Shirvanski	5-19	63	52	290	405
	20-99	51	7	149	207
	100+	17	2	33	52
Aranski & Gorno-Shirvanski Total		131	61	472	664
Grand Total		1159	466	2730	4355

Source: State Statistical Committee of the Republic of Azerbaijan (AZSTAT)

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Baku & Apsheronki	<5	7	2	4	13
	5-19	46	16	17	79
	20-99	71	6	26	103
	100+	48	1	10	59
Baku & Apsheronki Total		172	25	57	254
Giandja-Kazakhski & Sheki-Zakatalski	<5				
	5-19	7	3	2	12
	20-99	11		3	14
	100+			1	1
Giandja-Kazakhski & Sheki-Zakatalski Total		18	3	6	27
Lenkoranski & Kuba-Khachmazski	<5				
	5-19	5	5	8	18
	20-99	2		2	4
	100+				
Lenkoranski & Kuba-Khachmazski Total		7	5	10	22
Aranski & Gorno-Shirvanski	<5				
	5-19	2	1	3	6
	20-99	1			1
	100+				
Aranski & Gorno-Shirvanski Total		3	1	3	7
Grand Total		200	34	76	310

Source: BEEPS 2005.

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Baku & Apsheroni	5-19	18	39	19	76
	20-99	20	25	17	62
	100+	27	8	25	60
Baku & Apsheroni Total		65	72	61	198
Giandja-Kazakhski & Sheki-Zakatali	5-19	10	13	6	29
	20-99	8	6	9	23
	100+	5	1	7	13
Giandja-Kazakhski & Sheki-Zakatali Total		23	20	22	65
Lenkoranski & Kuba-Khachmazski	5-19	6	6	5	17
	20-99	4	4	7	15
	100+	3		3	6
Lenkoranski & Kuba-Khachmazski Total		13	10	15	38
Aranski & Gorno-Shirvanski	5-19	8	11	8	27
	20-99	6	5	9	20
	100+	5	2	5	12
Aranski & Gorno-Shirvanski Total		19	18	22	59
Grand Total		120	120	120	360

A.3.2. Status codes

TOTAL

Complete interviews (Total)	380
Incomplete interviews	0
Elegible in process	0
Refusals	0
Out of target	414
Impossible to contact	199
Ineligible - coop.	2
Refusal to the Screener	270
Total	1265

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	215
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	64
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	29
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	72
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	105
	7. Not a business: private household	32
	8. Ineligible activity: education, agriculture, finances, governments...	277
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	133
	92. Line out of order	2
	93. No tone	38
	10. Answering machine	0
	11. Fax line - data line	1
	12. Wrong address/ moved away and could not get the new references	25
	13. Refuses to answer the screener	270
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	2
	152. Out of target - firm moved abroad	0
Total	1265	

PANEL

Complete interviews (Total)	106
Incomplete interviews	0
Elegible in process	0
Refusals	0
Out of target	57
Impossible to contact	86
Ineligible - coop.	0
Refusal to the Screener	61
Total	310

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	61
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	18
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	16
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	11
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	24
	7. Not a business: private household	17
	8. Ineligible activity: education, agriculture, finances, governments...	16
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	40
	92. Line out of order	1
	93. No tone	28
	10. Answering machine	0
	11. Fax line - data line	1
	12. Wrong address/ moved away and could not get the new references	16
	13. Refuses to answer the screener	61
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
151. Out of target - outside the covered regions, firm moved abroad	0	
152. Out of target - firm moved abroad	0	
Total	310	

FRESH

Complete interviews (Total)	274
Incomplete interviews	0
Elegible in process	0
Refusals	0
Out of target	357
Impossible to contact	113
Ineligible - coop.	2
Refusal to the Screener	209
Total	955

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	154
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	46
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	13
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	61
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	81
	7. Not a business: private household	15
	8. Ineligible activity: education, agriculture, finances, governments...	261
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	93
	92. Line out of order	1
	93. No tone	10
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	9
	13. Refuses to answer the screener	209
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
151. Out of target - outside the covered regions, firm moved abroad	2	
152. Out of target - firm moved abroad	0	
Total	955	

A.3.3. Cell weights and universe estimates

Individual cell weights (strict)

Region	Employees	Sector		
		Manufacturing	52	Residual
Baku & Apsheronki	5-19	8	3	12
	20-99	4	1	5
	100+	1	1	1
Giandja-Kazakhski & Sheki-Zakatalski	5-19	2	2	7
	20-99	4	1	3
	100+	1	1	1
Lenkoranski & Kuba-Khachmazski	5-19	2	2	4
	20-99	3	1	2
	100+	1		1
Aranski & Gorno-Shirvanski	5-19	3	2	8
	20-99	5	1	3
	100+	1	1	

Individual cell weights (median)

Region	Employees	Sector		
		Manufacturing	52	Residual
Baku & Apsheronki	5-19	14	4	23
	20-99	6	1	9
	100+	2	2	2
Giandja-Kazakhski & Sheki-Zakatalski	5-19	4	4	13
	20-99	7	2	5
	100+	1	1	3
Lenkoranski & Kuba-Khachmazski	5-19	4	3	8
	20-99	5	1	3
	100+	1		3
Aranski & Gorno-Shirvanski	5-19	4	3	14
	20-99	7	1	4
	100+	2	1	

Individual cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
Baku & Apsheronki	5-19	17	5	35
	20-99	9	1	16
	100+	3	3	3
Giandja-Kazakhski & Sheki-Zakatalski	5-19	4	3	15
	20-99	8	2	7
	100+	1	1	3
Lenkoranski & Kuba-Khachmazski	5-19	4	3	10
	20-99	7	1	5
	100+	1		4
Aranski & Gorno-Shirvanski	5-19	5	3	19
	20-99	10	2	6
	100+	2	1	

Azerbaijan universe estimates

Strict individual cell weights	Median individual cell weights	Weak individual cell weights
1286	2200	2977

A.3.4. Survey and item non-response

The number of contacted establishments per realized interview was 3.33. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units.

A.3.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: SORGU Country: Azerbaijan Membership of international organisation: N/A Activities since: 1994
Name of Project Manager	Tatyana Sulina
Name and position of other key persons of the project	Fieldwork coordinator

Enumerators involved	Enumerators: 41 Recruiters: 39 Since fieldwork was progressing too slowly, we contacted our acquaintances for some cases and asked them to get in touch with the selected respondents to convince them to meet our interviewers. In other cases, they helped the interviewers directly to get the appointment. In consequence, part of the recruitment was done by the interviewers and part by recruiters.
Other staff involved	Fieldwork supervisors: 2 Editing: local supervisors Data entry: GORBI Data processing: TNS Opinion

Sample Frame

Characteristic of sample frame used	Both the panel and fresh samples had many inaccuracies in the contact details and the establishment classification variables.
Source	State Committee of Statistics of Azerbaijan
Year of publication	2006
Comments on the quality of the sample frame	The sample frame is of very low quality and unreliable
Year and organisation that conducted the last economic census	State Committee of Statistics of Azerbaijan
Other sources for companies statistics	No

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: It often happened that a sector defined in the sample didn't coincide with real activity of the establishment. This was particularly true for the panel sample. On regions: The selected establishments -and their replacements within a same region were located far from each other, forcing the interviewers to cover long distances to get the interviews. For this reason substantial financial resources were needed for travel expenses for the interviewers.
Comments on the response rate	Often the respondents were suspicious about the usefulness of the study and they were too busy to answer such a long questionnaire. These were the main refusal reasons.
Comments on the sample design	More detailed instructions on how to follow up the achieved sample by sectors should be provided in the future.

Fieldwork

Date of fieldwork	September 2008 – February 2009
Country	Azerbaijan
Number of interviews	Manufacturing: 120 Services (sector 52): 144 Core: 116
Problems found during fieldwork	The main difficulty was meeting with respondents, as they were unavailable. To receive the financial information was also a difficult obstacle to overcome.
Other observations	No

Questionnaires

Problems for the understanding of questions (write question number)	No special problems encountered
Problems found in the navigability of questionnaires (for example, skip patterns)	No special problems encountered
Comments on questionnaire length	The interviews were very long; both respondents and interviewers were tired as a result.
Suggestions or other comments on the questionnaires	No special problems encountered

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	Easy to punch the data
Comments on the data cleaning	The data cleaning process was done following the Data Validation Reports (DVRs) prepared by TNS. Based on these reports we called back the establishments to check their answers and complete or correct the data.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	N/A
Relevant country events that occurred during fieldwork	Presidential elections
Other aspects	N/A

A.4 Belarus

A.4.1. Sampling structure and implementation

Two sample frames were used. The first was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The second sample frame is from the Ministry of Statistics and Analyses - an electronic database “register-Belarus Enterprises—January 2008”.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 16% (116 out of 1013 establishments).

Regional stratification was defined in 7 regions. These regions are Minskaya, Vitebskaya, Brestskaya, Mogilevskaya, Gomelskaya, Grodnenskaya, and Minsk (official economic regions).

Sectors included in the Sample:

Original Sectors	Manufactures: 15, 17, 18, 24, 25, 26, 27, 28, 29, 31 Services: 52 Residual: 51, 72, 55, 50, 45, 60-64
Added Sectors	

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Minskaya	5-19	240	662	730	1632
	20-99	335	237	479	1051
	100+	389	80	324	793
Minskaya Total		964	1533	979	3476
Vitebskaya	5-19	141	819	667	1627
	20-99	239	308	405	952
	100+	304	83	310	697
Vitebskaya Total		684	1382	1210	3276
Brestskaya	5-19	140	794	805	1739
	20-99	257	368	492	1117
	100+	346	124	380	850
Brestskaya Total		743	1677	1286	3706
Mogilevskaya	5-19	117	649	572	1338
	20-99	199	333	444	976
	100+	242	63	245	550
Mogilevskaya Total		558	1261	1045	2864
Gomelskaya	5-19	142	818	640	1600
	20-99	207	348	466	1021
	100+	357	109	367	833
Gomelskaya Total		706	1473	1275	3454
Grodenskaya	5-19	296	2010	1040	3346
	20-99	415	312	492	1219
	100+	439	95	311	845
Grodenskaya Total		1,150	1843	2417	5410
Minsk	5-19	1051	2000	5183	8234
	20-99	945	1040	2748	4733
	100+	436	198	623	1257
Minsk Total		2432	3238	8554	14224
Grand Total		7237	11450	17723	36410

Source: Register Belarus. Enterprises January 2008.

Panel sample frame

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Minskaya	2-49			10	10
	50-99		8		8
	100+	4		9	13
Minskaya Total		4	8	19	31
Vitebskaya	2-49			7	7
	50-99		8		8
	100+	5		14	19
Vitebskaya Total		5	8	21	34
Brestskaya	2-49			9	9
	50-99		5		5
	100+	9		13	22
Brestskaya Total		9	5	22	36
Mogilevskaya	2-49			4	4
	50-99		2		2
	100+	5		10	15
Mogilevskaya Total		5	2	14	21
Gomelskaya	2-49			6	6
	50-99		4		4
	100+	2		2	4
Gomelskaya Total		2	4	8	14
Grodenskaya	2-49			1	1
	50-99		2		2
	100+	3		5	8
Grodenskaya Total		3	2	6	11
Minsk	2-49			24	24
	50-99		16		16
	100+	12		15	27
Minsk Total		12	16	39	67
Grand Total		40	45	129	214

Source: BEEPS 2005.

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Minskaya	5-19	6	6	6	18
	20-99	6	6	6	18
	100+	5	5	5	15
Minskaya Total		17	17	17	51
Vitebskaya	5-19	6	6	6	18
	20-99	6	6	6	18
	100+	5	5	5	15
Vitebskaya Total		17	17	17	51
Brestskaya	5-19	6	6	6	18
	20-99	6	6	6	18
	100+	5	5	5	15
Brestskaya Total		17	17	17	51
Mogilevskaya	5-19	6	6	6	18
	20-99	6	6	6	18
	100+	5	5	5	15
Mogilevskaya Total		17	17	17	51
Gomelskaya	5-19	6	6	6	18
	20-99	6	6	6	18
	100+	5	5	5	15
Gomelskaya Total		17	17	17	51
Grodnenskaya	5-19	6	6	6	18
	20-99	6	6	6	18
	100+	5	5	5	15
Grodnenskaya Total		17	17	17	51
Minsk	5-19	6	6	6	18
	20-99	6	6	6	18
	100+	6	6	6	18
Minsk Total		18	18	18	54
Grand Total		120	120	120	360

A.4.2. Status codes

TOTAL

Complete interviews (Total)	273
Incomplete interviews	1
Elegible in process	0
Refusals	198
Out of target	161
Impossible to contact	57
Ineligible - coop.	4
Refusal to the Screener	319
Total	1013

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	466
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	4
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	2
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	10
	7. Not a business: private household	2
	8. Ineligible activity: education, agriculture, finances, governments...	149
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	35
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	1
	11. Fax line - data line	1
	12. Wrong address/ moved away and could not get the new references	20
	13. Refuses to answer the screener	319
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	4
	152. Out of target - firm moved abroad	0
Total	1013	

PANEL

Complete interviews (Total)	71
Incomplete interviews	1
Elegible in process	0
Refusals	29
Out of target	15
Impossible to contact	27
Ineligible - coop.	2
Refusal to the Screener	30
Total	175

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	98
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	2
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	3
	7. Not a business: private household	1
	8. Ineligible activity: education, agriculture, finances, governments...	11
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	10
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	17
	13. Refuses to answer the screener	30
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	2
	152. Out of target - firm moved abroad	0
Total	175	

FRESH

Complete interviews (Total)	202
Incomplete interviews	0
Elegible in process	0
Refusals	169
Out of target	146
Impossible to contact	30
Ineligible - coop.	2
Refusal to the Screener	289
Total	838

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	368
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	2
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	7
	7. Not a business: private household	1
	8. Ineligible activity: education, agriculture, finances, governments...	138
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	25
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	1
	11. Fax line - data line	1
	12. Wrong address/ moved away and could not get the new references	3
	13. Refuses to answer the screener	289
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	0
	151. Out of target - outside the covered regions, firm moved abroad	2
	152. Out of target - firm moved abroad	0
	Total	838

A.4.3. Cell weights and universe estimates

Collapsed cell weights (strict)

Region	Employees	Sector		
		Manufacturing	52	Residual
Minskaya	5-19	18	65	556
	20-99	39	18	335
	100+	106	9	143
Vitebskaya	5-19	10	64	
	20-99	31	46	38
	100+	57	14	152
Brestskaya	5-19	9	57	136
	20-99	28	72	61
	100+	43	7	61
Mogilevskaya	5-19	18	112	94
	20-99	33	42	160
	100+	29	10	76
Gomelskaya	5-19	12	128	47
	20-99	10	20	76
	100+	29	11	26
Grodzenskaya	5-19	16	140	57
	20-99	29	13	36
	100+	39	8	19
Minsk	5-19	96	126	556
	20-99	143	96	335
	100+	106	14	94

Collapsed cell weights (median)

Region	Employees	Sector		
		Manufacturing	52	Residual
Minskaya	5-19	24	93	808
	20-99	51	26	475
	100+	154	15	224
Vitebskaya	5-19	12	81	
	20-99	36	58	48
	100+	73	20	211
Brestskaya	5-19	19	128	310
	20-99	57	160	136
	100+	97	17	151
Mogilevskaya	5-19	22	148	124
	20-99	40	55	208
	100+	38	15	110
Gomelskaya	5-19	24	271	101
	20-99	19	41	158
	100+	62	25	60
Grodzenskaya	5-19	34	323	133
	20-99	60	30	81
	100+	92	20	49
Minsk	5-19	129	183	808
	20-99	188	136	475
	100+	154	21	149

Collapsed cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
Minskaya	5-19	29	109	1001
	20-99	57	28	551
	100+	165	15	254
Vitebskaya	5-19	15	94	
	20-99	40	63	56
	100+	79	21	239
Brestskaya	5-19	21	141	364
	20-99	59	165	150
	100+	99	17	161
Mogilevskaya	5-19	23	156	140
	20-99	40	54	220
	100+	37	14	113
Gomelskaya	5-19	28	311	124
	20-99	20	45	183
	100+	66	26	67
Grodzenskaya	5-19	36	332	146
	20-99	59	29	84
	100+	87	18	49
Minsk	5-19	151	209	1001
	20-99	205	146	551
	100+	165	22	166

Belarus universe estimates

Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
16774	27020	30180

A.4.4. Survey and item non-response

The number of contacted establishments per realized interview was 3.71. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (3.71) suggests that the main source of error in estimates in the Belarus may be selection bias and not frame inaccuracy.

A.4.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: Centre of Political and Social Research Country: Belarus Membership of international organization: N/A Activities since: 1997
Name of Project Manager	
Name and position of other key persons of the project	
Enumerators involved	Enumerators: 68 Recruiters: 14
Other staff involved	Fieldwork Coordinators: 8 Editing: 2 people Data Entry: 1 person Data Processing: 1 person

Sample Frame

Characteristic of sample frame used	Sample frame is based on official data from Ministry of Statistics and analyses in Republic of Belarus published in 2007 and also based on e-guide provided by data company "Komlev-Info"
Source	Sources of statistical information: 1) Republic of Belarus regions - 2007. Statistical collection book – Minsk, 2007; 2) Statistical Yearbook Republic of Belarus - 2007. Minsk, 2007; 3) Main factors of small enterprise activities in Republic of Belarus - 2007. Minsk, 2007; 4) Electronic database "Register-Belarus Enterprises - January 2008"
Year of publication	Data from Ministry of Statistics and Analysis is from 2006. Last e-base of enterprises "Register – Belarus Enterprises" is from 2007. Databases updates annually.
Comments on the quality of the sample frame	There is data on about 46,000 all types enterprises in e- base of enterprises "Register – Belarus. Enterprises". Methodology of sampled population building provided with reliability.
Year and organisation that conducted the last economic census	Data from Ministry of Statistics and Analysis is from 2006. Last e-base of enterprises "Register – Belarus. Enterprises" was made in 2007. Databases updates annually.

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: no On regions: no
Comments on the response rate	Interviewers had a lot of difficulties due to respondents' reluctance to participate in the survey. In addition, there was an issue with privacy when it came to revealing information about financial situation as anticipated. A lot of respondents referred to contract specifications regarding non-disclosure about company's financial situation. Fieldwork period falling in summer time also hampered response rate.
Comments on the sample design	N/A

Fieldwork

Date of fieldwork	April – August 2008
Country	Belarus
Number of interviews	Manufacturing: 84 Services (sector 52): 126 Core: 63
Problems found during fieldwork	See comments on response rate
Other observations	No

Questionnaires

Problems for the understanding of questions (write question number)	Comments during pilot were reported.
Problems found in the navigability of questionnaires (for example, skip patterns)	No special problems encountered
Comments on questionnaire length	N/A
Suggestions or other comments on the questionnaires	N/A

Database

Data entry program chosen	PERTS
Comments on the data entry program	None
Comments on the data cleaning	Sometimes the same questions in data cleaning came up more than once. In the case of missing data when the interviewers tried to get the necessary information, they were faced with categorical denials.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	At the beginning of the year in Belarus entrepreneurs lead a protest action which was connected with individual entrepreneurs' re-registration into private unitary business.
Relevant country events that occurred during fieldwork	None
Other aspects	N/A

A.5 Bosnia and Herzegovina

A.5.1. Sampling structure and implementation

Bosnia and Herzegovina is divided into two entities, the Federation of Bosnia and Herzegovina and the Republika Srpska. In addition, there is the Brcko District in the north of the country, which was created in 2000 out of land from both entities. It officially belongs to both, but is governed by neither, and functions under a decentralized system of local government. Sample frames were obtained from the official agencies, AFIP (Agencija za financijske, informaticke i posrednicke usluge) Federation of Bosnia and Herzegovina and APIF (Agencija za posrednicke, informaticke i finansijske usluge) Republika Srpska for the two entities. It was not possible to readily obtain a frame for the Brcko District. As the Brcko District represented only some 3% of the country, it was agreed that it could be excluded. The AFIP and APIF frames were merged to form the first frame. That frame was sent to the TNS statistical team in London to select the establishments for interview. The second frame, supplied by the World Bank/EBRD, consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that the attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 23% (157 out of 680 establishments).

Regions covered: Sarajevo, Bosna, Herzegovina, Republika Srpska. Table below shows the grouping of official regions into these four regions.

Regions (official)	Grouping used for stratification purposes in BEEPS IV
Bihac region	Bosna region
Tuzla region	
Srednja Bosna region	
Hercegovina region	Hercegovina region (Hercegovina-Neretva, West Herzegovina)
Sarajevo region	Sarajevo region
Sjever Republika Srpska	Republika Srpska
Istok Republika Srpska	
Distrikt Brcko	Distrikt Brcko – was not covered

Sectors included in the Sample:

Original Sectors	Manufactures: 15, 16, 17, 18, 19, 20, 21, 22, 23,24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63
Added Sectors	No

Fresh sample frame

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Bosna	5 to 19	686	403	1290	2379
	20 to 99	319	62	360	741
	100+	98	6	47	151
Bosna Total		1103	471	1697	3271
Hercegovina	5 to 19	208	115	500	823
	20 to 99	68	17	134	219
	100+	19	2	16	37
Hercegovina Total		295	134	650	1079
Republika Srpska	5 to 19	691	362	1292	2345
	20 to 99	370	108	379	857
	100+	92	14	54	160
Republika Srpska Total		1153	484	1725	3362
Sarajevo	5 to 19	198	142	734	1074
	20 to 99	104	37	221	362
	100+	31	12	50	93
Sarajevo Total		333	191	1005	1529
Grand Total		2884	1280	5077	9241

Source: Agencija za finansijske, informaticke I posrednicke usluge d.d. (AFIP – Federation of BiH) and Agencija za posrednicke, informaticke I finansijske usluge (APIF – Republika Srpska)

Panel sample frame

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Bosna	<5	1			1
	5 to 19		1		1
	20 to 99	3		3	6
	100+				
Bosna Total		4	1	3	8
Hercegovina	<5		1	3	4
	5 to 19	3	1	3	7
	20 to 99	3		4	7
	100+	3		5	8
Hercegovina Total		9	2	15	26
Republika Srpska	<5	3	4	7	14
	5 to 19	10	3	8	21
	20 to 99	11	1	7	19
	100+	8		4	12
Republika Srpska Total		32	8	26	66
Sarajevo	<5	3	6	5	14
	5 to 19	3	4	9	16
	20 to 99	6	2	7	15
	100+	5	2	6	13
Sarajevo Total		17	14	27	58
Grand Total		62	25	71	158

Source: BEEPS 2005

Original sample design

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Bosna	5 to 19	15	21	13	49
	20 to 99	15	14	13	42
	100+	17	3	11	31
Bosna Total		47	38	37	122
Hercegovina	5 to 19	5	6	5	16
	20 to 99	3	4	5	12
	100+	3	1	4	8
Hercegovina Total		11	11	14	36
Republika Srpska	5 to 19	16	18	14	48
	20 to 99	17	25	14	56
	100+	15	7	13	35
Republika Srpska Total		48	50	41	139
Sarajevo	5 to 19	4	7	8	19
	20 to 99	5	8	8	21
	100+	5	6	12	23
Sarajevo Total		14	21	28	63
Grand Total		120	120	120	360

A.5.2. Status codes

TOTAL

Complete interviews (Total)	361
Incomplete interviews	0
Elegible in process	1
Refusals	21
Out of target	51
Impossible to contact	105
Ineligible - coop.	1
Refusal to the Screener	140
Total	680

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	383
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	1
	6. The firm discontinued businesses	12
	7. Not a business: private household	34
	8. Ineligible activity: education, agriculture, finances, governments...	4
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	40
	92. Line out of order	36
	93. No tone	0
	10. Answering machine	2
	11. Fax line - data line	5
	12. Wrong address/ moved away and could not get the new references	22
	13. Refuses to answer the screener	140
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	14
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	1
Total	694	

PANEL

Complete interviews (Total)	63
Incomplete interviews	0
Elegible in process	1
Refusals	7
Out of target	17
Impossible to contact	35
Ineligible - coop.	0
Refusal to the Screener	35
Total	158

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	71
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	6
	7. Not a business: private household	8
	8. Ineligible activity: education, agriculture, finances, governments...	3
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	22
	92. Line out of order	12
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	1
	12. Wrong address/ moved away and could not get the new references	0
	13. Refuses to answer the screener	35
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	158

FRESH

Complete interviews (Total)	298
Incomplete interviews	0
Elegible in process	0
Refusals	14
Out of target	34
Impossible to contact	70
Ineligible - coop.	1
Refusal to the Screener	105
Total	522

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	312
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	1
	6. The firm discontinued businesses	6
	7. Not a business: private household	26
	8. Ineligible activity: education, agriculture, finances, governments...	1
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	18
	92. Line out of order	24
	93. No tone	0
	10. Answering machine	2
	11. Fax line - data line	4
	12. Wrong address/ moved away and could not get the new references	22
	13. Refuses to answer the screener	105
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	14
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	1
	Total	536

A.5.3. Cell weights and universe estimates

Individual cell weights (strict)

Region	Employees	Sector		
		Manufacturing	52	Residual
Bosna	5 to 19	26	7	55
	20 to 99	20	3	26
	100+	10	2	2
Hercegovina	5 to 19	9	14	36
	20 to 99	18	2	22
	100+	5		4
Republika Srpska	5 to 19	18	9	44
	20 to 99	10	3	25
	100+	5	3	4
Sarajevo	5 to 19	9	6	22
	20 to 99	34	3	15
	100+	7	2	3

Individual cell weights (median)

Region	Employees	Sector		
		Manufacturing	52	Residual
Bosna	5 to 19	33	10	67
	20 to 99	25	4	30
	100+	13	2	3
Hercegovina	5 to 19	17	28	60
	20 to 99	30	4	34
	100+	9		5
Republika Srpska	5 to 19	24	12	53
	20 to 99	13	4	29
	100+	7	4	5
Sarajevo	5 to 19	14	10	30
	20 to 99	48	4	18
	100+	10	3	3

Individual cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
Bosna	5 to 19	46	14	87
	20 to 99	31	5	34
	100+	14	3	3
Hercegovina	5 to 19	20	34	67
	20 to 99	32	4	34
	100+	9		5
Republika Srpska	5 to 19	32	17	68
	20 to 99	15	5	32
	100+	7	5	5
Sarajevo	5 to 19	16	12	34
	20 to 99	51	5	18
	100+	10	3	3

Bosnia and Herzegovina universe estimates

Strict individual cell weights	Median individual cell weights	Weak individual cell weights
5240	6948	8458

A.5.4. Survey and item non-response

The number of contacted establishments per realized interview was 1.88. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units.

A.5.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: Puls d.o.o. Country: Bosnia and Herzegovina Membership of international organisation: ESOMAR Activities since: 2000.
Name of Project Manager	Julijan Komšić
Name and position of other key persons of the project	Fieldwork manager Data entry Programming / IT support
Enumerators involved	Enumerators: 30 Recruiters: 16

Other staff involved	Fieldwork Coordinators: 7 Editing: 1 Data Entry: 1 Data Processing: 1
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Sample Frame

Characteristic of sample frame used	Sample frame is bought from the institutions AFIP (Federation of BiH) and APIF (Republic of Srpska) that gather financial data from companies each year
Source	Agencija za finansijske, informatičke i posredničke usluge d.d (AFIP Federation of BiH); Agencija za posredničke, informatičke i finansijske usluge (APIF Republic of Srpska)
Year of publication	2007
Comments on the quality of the sample frame	Contacts (telephone numbers) of the establishments were mostly incorrect.
Year and organisation that conducted the last economic census	N/A
Other sources for companies statistics	N/A

Sample

Comments/problems on sectors and regions selected in the sample	On regions: Regions are not settled. Some regions that actually belong to Federation BH are stated in sample frame to belong to Republic of Srpska and vice versa.
Comments on the response rate	Considering size of questionnaire there were a lot of refusals by companies' top management.
Comments on the sample design	This was fine.

Fieldwork

Date of fieldwork	September 2008 - March 2009
Country	Bosnia and Herzegovina
Number of interviews	Manufacturing: 110 Services (sector 52): 111 Core: 140
Problems found during fieldwork	Large number of refusals
Other observations	Most respondents refused to answer questions about company finances.

Questionnaires

Problems for the understanding of questions (write question number)	N/A
Problems found in the navigability of questionnaires (for example, skip patterns)	N/A
Comments on questionnaire length	Questionnaire length was the main cause for large number of refusals.
Suggestions or other comments on the questionnaires	N/A

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	None
Comments on the data cleaning	N/A

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	Poor economic situation and unstable political situation. Usual state inspections that respondents first associated with local institute team.
Relevant country events that occurred during fieldwork	N/A
Other aspects	N/A

A.6 Bulgaria

A.6.1. Sampling structure and implementation

Three sample frames were used. The first was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The second sample frame used for the survey in Bulgaria was purchased from the Bulgarian National Statistical Institute (BNSI), which is the governmental statistical institution. The frame contained a full list of establishments with more than five employees in the target sectors of the survey. This was from the latest available version published in 2007, although it related to updates at the end of 2005. The third sample frame consisted of establishments interviewed in the World Bank Enterprise Survey 2007 and was used only in cases where the first two sample frames had insufficient number of contacts.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 34% (249 out of 737 establishments).

Regional stratification was defined in six regions. These regions are Severozapaden, Severen Tsentralen, Severoiztochen, Yugozapaden, Yuzhen Tsentralen and Yugoiztochen (NUTS-2). Not all sub-regions within these regions were covered.

Sectors included in the Sample:

Original Sectors	Manufactures: 15 to 37 Services: 52 Residual: 45 to 51, 55 to 64 and 72
Added Sectors	No

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Severozapaden	5-19	913	887	1450	3,250
	20-99	481	66	309	856
	+100	147	1	31	179
Severozapaden Total		1541	954	1790	4285
Severen Tsentralen	5-19	1079	969	1983	4,031
	20-99	645	109	442	1,196
	+100	202	4	50	256
Severen Tsentralen Total		1926	1082	2475	5483
Severoiztochen	5-19	858	970	2532	4,360
	20-99	452	114	694	1,260
	+100	137	8	99	244
Severoiztochen Total		1447	1092	3325	5864
Yugozapaden	5-19	2259	2168	6538	10,965
	20-99	1212	341	1961	3,514
	+100	368	47	354	769
Yugozapaden Total		3839	2556	8853	15248
Yuzhen tsentralen	5-19	2174	1407	3402	6,983
	20-99	1075	150	817	2,042
	+100	279	5	90	374
Yuzhen Tsentralen Total		3528	1562	4309	9399
Yugoiztochen	5-19	1073	1074	2824	4,971
	20-99	521	127	694	1,342
	+100	153	7	86	246
Yugoiztochen Total		1747	1208	3604	6559
Grand Total		14028	8454	24356	46838

Source: BNSI (Bulgarian National Statistics Institute) 2007

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Severozapaden	<5	1	6	4	11
	5-19		3	8	11
	20-99	4		3	7
	+100	3		1	4
Severozapaden Total		8	9	16	33
Severen Tsentralen	<5				0
	5-19				0
	20-99				0
	+100				0
Severen Tsentralen Total		0	0	0	0
Severoiztochen	<5		5	2	7
	5-19	2	4	5	11
	20-99	2	1	7	10
	+100	7		6	13
Severoiztochen Total		11	10	20	41
Yugozapaden	<5	2	12	8	22
	5-19	3	6	22	31
	20-99	7	2	11	20
	+100	6	2	7	15
Yugozapaden Total		18	22	48	88
Yuzhen tsentralen	<5	3	5	6	14
	5-19		4	4	8
	20-99	1	1	5	7
	+100	5		1	6
Yuzhen Tsentralen Total		9	10	16	35
Yugoiztochen	<5	2	3	2	7
	5-19	1	2	2	5
	20-99			3	3
	+100	1			1
Yugoiztochen Total		4	5	7	16
Grand Total		50	56	107	213

Source: BEEPS 2005.

Enterprise Survey 2007 sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Severoiztochen	5-19	55	14	18	87
	20-99	49	12	10	71
	+100	24	6	7	37
Severoiztochen Total		128	32	35	195
Yugozapaden	5-19	81	17	86	184
	20-99	85	29	53	167
	+100	51	21	21	93
Yugozapaden Total		217	67	160	444
Yuzhen tsentralen	5-19	83	13	14	110
	20-99	116	9	12	137
	+100	58	3	6	67
Yuzhen Tsentralen Total		257	25	32	314
Yugoiztochen	5-19	12	3		15
	20-99	18	6		24
	+100	3	2		5
Yugoiztochen Total		33	11	0	44
Grand Total		635	135	227	997

Source: Enterprise Survey 2007

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Severozapaden	5-19	3	3	2	8
	20-99	3	2	2	7
	+100	4		1	5
Severozapaden Total		10	5	5	20
Severen Tsentralen	5-19	4	4	3	11
	20-99	5	4	3	12
	+100	5	2	2	9
Severen Tsentralen Total		14	10	8	32
Severoiztochen	5-19	3	4	4	11
	20-99	3	4	4	11
	+100	3	3	4	10
Severoiztochen Total		9	11	12	32
Yugozapaden	5-19	8	9	11	28
	20-99	8	11	12	31
	+100	9	20	15	44
Yugozapaden Total		25	40	38	103
Yuzhen tsentralen	5-19	8	6	5	19
	20-99	7	5	5	17
	+100	6	2	4	12
Yuzhen Tsentralen Total		21	13	14	48
Yugoiztochen	5-19	4	4	5	13
	20-99	4	4	4	12
	+100	3	3	4	10
Yugoiztochen Total		11	11	13	35
Grand Total		90	90	90	270

A.6.2. Status codes

TOTAL

Complete interviews (Total)	288
Incomplete interviews	1
Elegible in process	2
Refusals	3
Out of target	44
Impossible to contact	172
Ineligible - coop.	6
Refusal to the Screener	199
Total	715

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	257
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	5
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	4
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	28
Ineligible	5. The establishment has less than 5 permanent full time employees	1
	6. The firm discontinued businesses	16
	7. Not a business: private household	2
	8. Ineligible activity: education, agriculture, finances, governments...	25
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	50
	92. Line out of order	45
	93. No tone	0
	10. Answering machine	1
	11. Fax line - data line	10
	12. Wrong address/ moved away and could not get the new references	66
	13. Refuses to answer the screener	199
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	22
	151. Out of target - outside the covered regions, firm moved abroad	6
	152. Out of target - firm moved abroad	0
Total	737	

PANEL

Complete interviews (Total)	118
Incomplete interviews	0
Elegible in process	0
Refusals	1
Out of target	20
Impossible to contact	23
Ineligible - coop.	0
Refusal to the Screener	52
Total	214

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	83
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	4
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	4
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	28
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	11
	7. Not a business: private household	1
	8. Ineligible activity: education, agriculture, finances, governments...	8
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	7
	92. Line out of order	5
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	1
	12. Wrong address/ moved away and could not get the new references	10
	13. Refuses to answer the screener	52
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	0
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	214

ENTERPRISE SURVEY 2007

Complete interviews (Total)	7
Incomplete interviews	0
Elegible in process	0
Refusals	1
Out of target	1
Impossible to contact	0
Ineligible - coop.	0
Refusal to the Screener	8
Total	17

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	8
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	1
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	0
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	0
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	0
	13. Refuses to answer the screener	8
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	0
151. Out of target - outside the covered regions, firm moved abroad	0	
152. Out of target - firm moved abroad	0	
Total	17	

FRESH

Complete interviews (Total)	163
Incomplete interviews	1
Elegible in process	2
Refusals	1
Out of target	23
Impossible to contact	149
Ineligible - coop.	6
Refusal to the Screener	139
Total	484

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	166
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	1
	6. The firm discontinued businesses	4
	7. Not a business: private household	1
	8. Ineligible activity: education, agriculture, finances, governments...	17
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	43
	92. Line out of order	40
	93. No tone	0
	10. Answering machine	1
	11. Fax line - data line	9
	12. Wrong address/ moved away and could not get the new references	56
	13. Refuses to answer the screener	139
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	22
	151. Out of target - outside the covered regions, firm moved abroad	6
	152. Out of target - firm moved abroad	0
	Total	506

A.6.3. Cell weights and universe estimates

Collapsed cell weights (strict)

		Sector		
Region	Employees	Manufacturing	52	Residual
Severozapaden	5-19	161	67	98
	20-99	96		59
	+100	41		
Severen Tsentralen	5-19	186	90	230
	20-99	124	8	68
	+100	21		24
Severoiztochen	5-19	186	90	230
	20-99	83	20	34
	+100	13		5
Yugozapaden	5-19	161	67	109
	20-99	34	17	59
	+100	11	2	8
Yuzhen Tsentralen	5-19	106	77	236
	20-99	39	17	45
	+100	85		22
Yugoiztochen	5-19	88	31	236
	20-99		6	45
	+100			

Collapsed cell weights (medium)

		Sector		
Region	Employees	Manufacturing	52	Residual
Severozapaden	5-19	261	98	106
	20-99	105		131
	+100	49		
Severen Tsentralen	5-19	276	119	398
	20-99	182	10	116
	+100	34		47
Severoiztochen	5-19	276	119	398
	20-99	170	37	81
	+100	31		14
Yugozapaden	5-19	261	98	230
	20-99	73	33	131
	+100	27	5	24
Yuzhen Tsentralen	5-19	118	76	359
	20-99	51	20	81
	+100	127		38
Yugoiztochen	5-19	173	54	359
	20-99		13	81
	+100			

Collapsed cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
Severozapaden	5-19	343	143	113
	20-99	109		201
	+100	45		
Severen Tsentralen	5-19	298	143	471
	20-99	207	13	144
	+100	33		49
Severoiztochen	5-19	298	143	471
	20-99	198	48	103
	+100	30		15
Yugozapaden	5-19	343	143	343
	20-99	106	53	201
	+100	32	7	32
Yuzhen Tsentralen	5-19	137	99	489
	20-99	63	27	117
	+100	131		43
Yugoiztochen	5-19	240	84	489
	20-99		22	117
	+100			

Bulgaria universe estimates

Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
21031	33186	43392

A.6.4. Survey and item non-response

The number of contacted establishments per realized interview was 2.48. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units.

A.6.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: TNS BBSS Country: Bulgaria Membership of international organisation: ESOMAR, Gallup International Association Activities since: 1991
Name of Project Manager	Mrs Marchella Abrasheva - Regional Director and CEO of TNS BBSS
Name and position of other key persons of the project	Deputy Regional Director Head of Research Department Fieldwork Supervisor Deputy Fieldwork Manager IT Specialist
Enumerators involved	Enumerators / recruiters: 40. The interviewers were in charge of setting the appointments for the survey.
Other staff involved	Fieldwork Coordinators: 18 Editing: 2 Data Entry: 1 Data Processing: 3

Sample Frame

Characteristic of sample frame used	Three sample frames used: Panel sample frame and ES 2007 sample frame, provided by the World Bank and TNS Opinion. TNS BBSS purchased samples for Blagoevgrad city, Haskovo city and Russe city, regions not included in the previous ES 2007 survey. These contained the list of all the enterprises in these regions and the respective economic sectors, with at least 5 employees. Only the panel included establishments with less than five employees.
Source	The panel sample was provided by the World Bank. The Bulgarian National Statistical Institute provided the frame for the ES 2007 sample and the three additionally purchased samples as mentioned above.
Year of publication	2007 for the ES 2007 sample with revisions implemented during the ES survey (2007) and 2008 for the three additionally purchased samples (Blagoevgrad city, Haskovo city and Russe city)
Comments on the quality of the sample frame	Overall good quality with comparatively higher amount of issues (outdated or insufficient information) within the Panel sample
Year and organisation that conducted the last economic census	Still no such census is conducted in Bulgaria.
Other sources for companies statistics	Bulgarian National Statistical Institute

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: No specific issues noticed On regions: Higher level of refusals in South-Western region.
Comments on the response rate	Very good response rate, especially taking into account the target respondent - top level manager or owner - and the interview length.
Comments on the sample design	No special comments

Fieldwork

Date of fieldwork	September - December 2008
Country	Bulgaria
Number of interviews	Manufacturing: 95 Services (sector 52): 150 Core: 43
Problems found during fieldwork	Difficulties in reaching top level managers within the bigger companies. There was an increased refusal rate, especially in comparison with several years ago. Nevertheless, the refusal rate enumerated is still very good for such type of survey.
Other observations	No

Questionnaires

Problems for the understanding of questions (write question number)	E11 - The respondents stated often that their company has "illegal" competitors, but this, in many cases, actually means that there are "illegal" companies in Bulgaria overall ECAj5a - This question needed clarification each time it was asked. Many respondents stated that they cannot make such a calculation or estimation. K2 - The different types seemed unclear and undistinguishable for some of the respondents
Problems found in the navigability of questionnaires (for example, skip patterns)	No special problems encountered
Comments on questionnaire length	Too long - this is actually the biggest problem encountered. In many cases we had to arrange several appointments with the same respondent in order to be able to complete the questionnaire. It was very difficult to keep the respondent's attention till the end of the questionnaire.
Suggestions or other comments on the questionnaires	We would suggest shorter and fewer questions. Focus on fewer areas with target of 20 minute average duration. The financial part - mainly the N section - produces a lot of refusals. Maybe it could be shorter and asked in different way - ranges as opposed to precise/exact figures. The wording/style of the questionnaires is too heavy. We would suggest some revisions in order to make it easier for managing and following both by respondents and enumerators.

Database

Data entry program chosen	PERTS
Comments on the data entry program	Big difficulties encountered during the data entry process.
Comments on the data cleaning	Concerning the process organized by TNS BBSS - each completed questionnaire was checked on three levels - by the enumerator itself, by the regional supervisor and by head-office team Concerning the data validation checks prepared by TNS Opinion – no special comments, maybe just few of the notifications seemed not applicable for the Bulgarian situation

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	The beginning of year 2007 was very optimistic and enthusiastic in Bulgaria - joining EU was celebrated by almost all and was, actually, one of the only few points that were basis for public consensus in Bulgaria. Somewhere at the middle or even at the end of year 2007, the Bulgarians realized that the general economic and social situation will not change either dramatically or fast. Year 2008 started with more sober evaluations and expectations and continued with increase in pessimistic attitudes, especially after the first news and comments about the global crisis. Thus, at the end of year 2008, at the time of our survey, the most widespread feeling within the Bulgarians, employees and employers, was the uncertainty.
Relevant country events that occurred during fieldwork	Another source of pessimism was series of political scandals, mainly connected with the way of spending the money from EU funds. This is actually a process, started maybe before a year, which is still not completed. In the same time, there is still no effective sentence on any of the bigger scandals.
Other aspects	Significant part of the EU funding targeted to Bulgaria was stopped after revealed malpractices in Bulgaria. This was one other reason for increased pessimism. Other public “burden” that add to the pessimistic attitudes is the widespread believe that the corruption in the country is strong and presented within all levels of government.

A.7 Croatia

A.7.1. Sampling structure and implementation

Three sample frames were used. The first was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The source of the second sample frame was Statistical Office of the Croatia - 2007- Organization database. The third sample frame consisted of establishments interviewed in the World Bank Enterprise Survey 2007.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 35.2% (412 out of 1171 establishments).

Regional stratification was defined in 7 regions. These regions are Zagreb and surroundings, North Croatia, Slavonia, Lika and Banovina, Istria, Primorje and Gorski Kotar, and Dalmatia.

Counties (official NUTS-3 regions)	Regions (official NUTS-2 regions)	Grouping used for stratification purposes in BEEPS IV
Grad Zagreb	Northwest Croatia	Zagreb and surrounding
Zagrebacka		
Krapinsko-zagorska		Northern Croatia
Varazdinska		
Koprivnicko-krizevacka		
Medimurska		
Bjelovarsko-bilogorska		
Viroviticko-podravska	Central and Eastern (Pannonian) Croatia	Slavonia
Pozesko-slavonska		
Brodsko-posavska		
Osjecko-baranjska		Lika & Banovina
Vukovarsko-srijemska		
Karlovacka		
Sisacko-moslavacka		
Primorsko-goranska	Adriatic Croatia	Istra, Hrvatsko Primorje & Gorski Kotar
Licko-senjska		
Istarska		Dalmatia
Zadarska		
Sibeninsko-kninska		
Splitsko-dalmatinska		
Dubrovačko-neretvanska		

Sectors included in the Sample:

Original Sectors	Manufactures: 15,16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 Services: 52 Residual: 45,50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) Sectors	<i>None</i>

Fresh sample frame

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Zagreb and surroundings	5-19	1169	781	3809	5,759
	20-99	310	83	717	1,110
	+100	124	27	153	304
Zagreb and surroundings Total		1603	891	4679	7173
North Croatia	5-19	463	369	1107	1,939
	20-99	236	37	211	484
	+100	136	12	30	178
North Croatia Total		835	418	1348	2601
Slavonia	5-19	324	274	901	1,499
	20-99	123	52	191	366
	+100	74	7	45	126
Slavonia Total		521	333	1137	1991
Lika and Banovina	5-19	171	177	389	737
	20-99	77	25	69	171
	+100	35	4	16	55
Lika and Banovina Total		283	206	474	963
Istria, Primorje And Gorski Kotar	5-19	432	410	1617	2,459
	20-99	169	59	231	459
	+100	57	10	50	117
Istria, Primorje And Gorski Kotar Total		658	479	1898	3035
Dalmatia	5-19	429	632	1711	2,772
	20-99	113	76	311	500
	+100	64	16	89	169
Dalmatia Total		606	724	2111	3441
Grand Total		4506	3051	11647	19204

Source: FINA, 2006

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Zagreb and surroundings	<5	6	2	4	12
	5-19	6	2	8	16
	20-99	8	3	5	16
	+100	12	4	4	20
Zagreb and surroundings Total		32	11	21	64
North Croatia	<5			4	4
	5-19	1		12	13
	20-99			2	2
	+100	2	1		3
North Croatia Total		3	1	18	22
Slavonia	<5	1		4	5
	5-19	1	1	3	5
	20-99			3	3
	+100	5	1	3	9
Slavonia Total		7	2	13	22
Lika and Banovina	<5				
	5-19	1			1
	20-99	1	1	1	3
	+100			1	1
Lika and Banovina Total		2	1	2	5
Istria, Primorje And Gorski Kotar	<5	3		4	7
	5-19	7		11	18
	20-99	3		2	5
	+100	2	1		3
Istria, Primorje And Gorski Kotar Total		15	1	17	33
Dalmatia	<5		1	3	4
	5-19			5	5
	20-99			4	4
	+100	2	2	3	7
Dalmatia Total		2	3	15	20
Grand Total		47	19	86	166

Source: BEEPS 2005

Enterprise Survey sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Zagreb and surroundings	5-19	40			40
	20-99	15	9		24
	+100	24	9	10	43
Zagreb and surroundings Total		79	18	10	107
North Croatia	5-19	31			31
	20-99	23	8		31
	+100	25		4	29
North Croatia Total		79	8	4	91
Slavonia	5-19	25			25
	20-99	19	11		30
	+100	30	5	4	39
Slavonia Total		74	16	4	94
Lika and Banovina	5-19	10			10
	20-99	6	9		15
	+100	9		3	12
Lika and Banovina Total		25	9	3	37
Istria, Primorje And Gorski Kotar	5-19	23			23
	20-99	11	11		22
	+100	5	2	11	18
Istria, Primorje And Gorski Kotar Total		39	13	11	63
Dalmatia	5-19	34			34
	20-99	11	12		23
	+100	18	3	7	28
Dalmatia Total		63	15	7	85
Grand Total		359	79	39	477

Source: Enterprise Survey 2007

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Zagreb and surroundings	5-19	11	9	12	32
	20-99	10	9	12	31
	+100	8	9	12	29
Zagreb and surroundings Total		29	27	36	92
North Croatia	5-19	5	4	4	13
	20-99	6	5	4	15
	+100	9	2		11
North Croatia Total		20	9	10	39
Slavonia	5-19	3	3	3	9
	20-99	4	7	3	14
	+100	4	5	4	13
Slavonia Total		11	15	10	36
Lika and Banovina	5-19	2	2	1	5
	20-99	2	3	1	6
	+100	2		1	3
Lika and Banovina Total		6	5	3	14
Istria, Primorje And Gorski Kotar	5-19	4	5	5	14
	20-99	5	7	4	16
	+100	4	2	4	10
Istria, Primorje And Gorski Kotar Total		13	14	13	40
Dalmatia	5-19	5	7	5	17
	20-99	3	10	6	19
	+100	3	3	7	13
Dalmatia Total		11	20	18	49
Grand Total		90	90	90	270

A.7.2. Status codes

TOTAL

Complete interviews (Total)	160
Incomplete interviews	5
Elegible in process	0
Refusals	179
Out of target	110
Impossible to contact	302
Ineligible - coop.	0
Refusal to the Screener	415
Total	1171

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	285
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	3
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	7
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	22
	16. Panel firm - now less than five employees	27
Ineligible	5. The establishment has less than 5 permanent full time employees	28
	6. The firm discontinued businesses	36
	7. Not a business: private household	28
	8. Ineligible activity: education, agriculture, finances, governments...	18
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	230
	92. Line out of order	31
	93. No tone	3
	10. Answering machine	4
	11. Fax line - data line	5
	12. Wrong address/ moved away and could not get the new references	29
	13. Refuses to answer the screener	415
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
Total	1171	

PANEL

Complete interviews (Total)	50
Incomplete interviews	1
Elegible in process	0
Refusals	45
Out of target	13
Impossible to contact	17
Ineligible - coop.	0
Refusal to the Screener	40
Total	166

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	62
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	5
	16. Panel firm - now less than five employees	27
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	5
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	8
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	14
	92. Line out of order	2
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	1
	13. Refuses to answer the screener	40
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	166

ENTERPRISE SURVEY 2007

Complete interviews (Total)	55
Incomplete interviews	1
Elegible in process	0
Refusals	36
Out of target	7
Impossible to contact	45
Ineligible - coop.	0
Refusal to the Screener	77
Total	221

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	84
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	2
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	6
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	5
	7. Not a business: private household	1
	8. Ineligible activity: education, agriculture, finances, governments...	1
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	38
	92. Line out of order	4
	93. No tone	0
	10. Answering machine	1
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	2
	13. Refuses to answer the screener	77
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	221

FRESH

Complete interviews (Total)	54
Incomplete interviews	4
Elegible in process	0
Refusals	98
Out of target	90
Impossible to contact	240
Ineligible - coop.	0
Refusal to the Screener	298
Total	784

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	139
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	2
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	4
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	11
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	28
	6. The firm discontinued businesses	26
	7. Not a business: private household	27
	8. Ineligible activity: education, agriculture, finances, governments...	9
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	178
	92. Line out of order	25
	93. No tone	3
	10. Answering machine	3
	11. Fax line - data line	5
	12. Wrong address/ moved away and could not get the new references	26
	13. Refuses to answer the screener	298
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
151. Out of target - outside the covered regions, firm moved abroad	0	
152. Out of target - firm moved abroad	0	
Total	784	

A.7.3. Cell weights and universe estimates

Collapsed cell weights (strict)

Region	Employees	Sector		
		Manufacturing	52	Residual
Zagreb and surroundings	5-19	61	71	96
	20-99	21	18	96
	+100	8	3	9
North Croatia	5-19	109	71	96
	20-99	25		96
	+100	7		
Slavonia	5-19	75	71	96
	20-99	13		96
	+100	44	3	10
Lika and Banovina	5-19	44		
	20-99	20		96
	+100	20		8
Istria, Primorje And Gorski Kotar	5-19	51	71	96
	20-99	45	28	96
	+100	26	2	7
Dalmatia	5-19	37	71	96
	20-99	14	33	96
	+100	29	7	12

Collapsed cell weights (median)

Region	Employees	Sector		
		Manufacturing	52	Residual
Zagreb and surroundings	5-19	115	121	202
	20-99	41	35	202
	+100	17	6	22
North Croatia	5-19	186	121	202
	20-99	45		202
	+100	13		
Slavonia	5-19	123	121	202
	20-99	22		202
	+100	70	3	22
Lika and Banovina	5-19	62		
	20-99	31		202
	+100	32		15
Istria, Primorje And Gorski Kotar	5-19	75	121	202
	20-99	70	44	202
	+100	45	3	15
Dalmatia	5-19	63	121	202
	20-99	25	61	202
	+100	55	14	29

Collapsed cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
Zagreb and surroundings	5-19	127	139	220
	20-99	43	38	220
	+100	18	6	22
North Croatia	5-19	199	139	220
	20-99	46		220
	+100	14		
Slavonia	5-19	133	139	220
	20-99	23		220
	+100	72	3	22
Lika and Banovina	5-19	68		
	20-99	32		220
	+100	32		15
Istria, Primorje And Gorski Kotar	5-19	87	139	220
	20-99	76	50	220
	+100	48	3	16
Dalmatia	5-19	71	139	220
	20-99	26	66	220
	+100	58	15	30

Croatia universe estimates

Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
7763	15146	16553

A.7.4. Survey and item non-response

The number of contacted establishments per realized interview was 7.32. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (7.32) suggests that the main source of error in estimates in the Croatia may be selection bias and not frame inaccuracy.

A.7.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: Puls d.o.o. Country: Croatia Membership of international organization: ESOMAR, Gallup International Association Activities since: 1993
Name of Project Manager	
Name and position of other key persons of the project	
Enumerators involved	Enumerators: 42 Recruiters: 28
Other staff involved	Fieldwork Coordinators: 7 Editing: 3 Data Entry: 7 Data Processing: 1

Sample Frame

Characteristic of sample frame used	All enterprises that submitted their financial report for year 2006
Source	Financial agency (FINA) base of enterprises
Year of publication	2006

Comments on the quality of the sample frame	This is the best base that exists in Croatia as „Financial agency“ is an institution to which all active companies in Croatia are obliged to submit their financial reports.
Year and organisation that conducted the last economic census	There is no such census in Croatia

Sample

Comments/problems on sectors and regions selected in the sample	We had no problem regarding sectors or regions that were selected in the sample.
Comments on the response rate	Response rate was in line with the usual range for this type of survey in Croatia.
Comments on the sample design	The replacement rate for contacts was too low in terms of the number of contacts made available in certain regions and sectors to be able to reach the targets. In last two replacement batches, there were a lot of ineligible companies and companies which were unreachable.

Fieldwork

Date of fieldwork	September 2008 – March 2009
Country	Croatia
Number of interviews	Manufacturing: 71 Services (sector 52): 55 Core: 33
Problems found during fieldwork	Respondents weren't always willing to give answers to some of the hard data questions, especially important questions from the productivity section. Fieldwork was conducted during the holiday period and at the end of the year when companies have a lot of work which contributed to the high refusal rate.
Other observations	None

Questionnaires

Problems for the understanding of questions (write question number)	No problems found.
Problems found in the navigability of questionnaires (for example, skip patterns)	No problems here.
Comments on questionnaire length	The questionnaire was found to be too long for some respondents.
Suggestions or other comments on the questionnaires	A lot of information was asked which some respondents considered to be strictly confidential and didn't want to share.

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	None
Comments on the data cleaning	None

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	The fieldwork period was certainly affected by the financial crisis. Also, this period was influenced by an increased level of crime in Croatia; many brutal fights between groups of young people with fatal consequences and two brutal murders in the centre of the capital city. One of those murdered was a famous Croatian journalist and the other was a daughter of a famous lawyer who represented General Zagorec in a case which generated a lot of media coverage. These murders were followed by new appointments in the government. Another important issue was also the fact that Slovenia blocked Croatian negotiations for EU membership.
Relevant country events that occurred during fieldwork	Negotiations on accession to the EU blocked as mentioned above. Two murders followed by changes in some government ministries as mentioned above. Men's World Handball Championship
Other aspects	None

A.8 Czech Republic

A.8.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The second frame for the Czech Republic was an official database known as Albertina data (Creditinfo Czech Republic), which is obtained from the complete Business Register [RES] of the Czech Statistical Office. An extract from that frame was sent to the TNS statistical team in London to select the establishments for interview.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 28% (572 out of 2041 establishments).

Regional stratification was defined in eight regions. These regions are Praha, Stredni Cechy, Jihozapad, Severozapad, Severovychod, Jihovychod, Stredni Morava, and Moravskoslezsko (NUTS-2).

Sectors included in the Sample:

Original Sectors	Manufactures: 15-37 Services: 52 Residual: 45, 50, 51, 55, 60-64, 72
Added Sectors	No

Fresh sample frame

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Praha	5-19	1011	1070	5195	7276
	20-99	643	283	1187	2113
	100+	210	83	323	616
Praha Total		1864	1436	6705	10005
Stredni Cechy	5-19	941	661	2441	4043
	20-99	655	109	738	1502
	100+	243	27	143	413
Stredni Cechy Total		1839	797	3322	5958
Jihozapad	5-19	1082	701	2213	3996
	20-99	841	99	742	1682
	100+	329	18	97	444
Jihozapad Total		2252	818	3052	6122
Severozapad	5-19	778	627	2023	3428
	20-99	593	111	418	1122
	100+	260	16	70	346
Severozapad Total		1631	754	2511	4896
Severovýchod	5-19	1493	829	3001	5323
	20-99	1072	115	913	2100
	100+	424	19	107	550
Severovýchod Total		2989	963	4021	7973
Jihovýchod	5-19	1675	1119	3471	6265
	20-99	1140	204	1134	2478
	100+	427	33	152	612
Jihovýchod Total		3242	1356	4757	9355
Stredni Morava	5-19	1279	835	2326	4440
	20-99	908	112	757	1777
	100+	347	17	90	454
Stredni Morava Total		2534	964	3173	6671
Moravskoslezsko	5-19	885	895	2037	3817
	20-99	603	133	689	1425
	100+	210	17	89	316
Moravskoslezsko Total		1698	1045	2815	5558
Grand Total		18049	8133	30356	56538

Source: Albertina data (Creditinfo Czech Republic) 2007

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52 Services	Grand Total	
Praha	<5		4	2	6
	5-19	3	1	12	16
	20-99	3	1	5	9
	100+	2		4	6
Praha Total		8	6	23	37
Stredni Cechy	<5		1	1	2
	5-19	1			1
	20-99				
	100+	1	2		3
Stredni Cechy Total		2	3	1	6
Jihovychod	<5		1	3	4
	5-19	1	1	1	3
	20-99	3		1	4
	100+			1	1
Jihovychod Total		4	2	6	12
Severozapad	<5		6		6
	5-19		5	2	7
	20-99	2			2
	100+	3	1		4
Severozapad Total		5	12	2	19
Severovychod	<5			1	1
	5-19				
	20-99	1	1		2
	100+	1			1
Severovychod Total		2	1	1	4
Jihozapad	<5		1	2	3
	5-19		1		1
	20-99				
	100+				
Jihozapad Total			2	2	4
Stredni Morava	<5	2	1	2	5
	5-19	1			1
	20-99	1			1
	100+	3	1		4
Stredni Morava Total		7	2	2	11
Moravskoslezsko	<5	3	4	2	9
	5-19	3	1	4	8
	20-99	3	1		4
	100+	2		5	7
Moravskoslezsko Total		11	6	11	28
Grand Total		39	34	48	121

Source: BEEPS 2005

Original sample design

		Sector			
Regions	Employees	Manufacturing	52	Residual	Grand Total
Praha	5-19	3	5	7	15
	20-99	3	7	6	16
	100+	3	11	9	23
Praha Total		9	23	22	54
Stredni Cechy	5-19	3	3	3	9
	20-99	3	3	3	9
	100+	3	4	4	11
Stredni Cechy Total		9	10	10	29
Jihozapad	5-19	4	3	3	10
	20-99	4	3	3	10
	100+	4	2	3	9
Jihozapad Total		12	8	9	29
Severozapad	5-19	3	3	3	9
	20-99	3	3	2	8
	100+	3	2	2	7
Severozapad Total		9	8	7	24
Severovychod	5-19	5	3	4	12
	20-99	5	3	4	12
	100+	5	3	3	11
Severovychod Total		15	9	11	35
Jihovychod	5-19	5	5	4	14
	20-99	5	5	5	15
	100+	5	4	4	13
Jihovychod Total		15	14	13	42
Stredni Morava	5-19	4	4	3	11
	20-99	4	3	4	11
	100+	4	2	3	9
Stredni Morava Total		12	9	10	31
Moravskoslezsko	5-19	3	4	3	10
	20-99	3	3	3	9
	100+	3	2	2	7
Moravskoslezsko Total		9	9	8	26
Grand Total		90	90	90	270

A.8.2. Status codes

TOTAL

Complete interviews (Total)	250
Incomplete interviews	0
Elegible in process	109
Refusals	191
Out of target	87
Impossible to contact	482
Ineligible - coop.	3
Refusal to the Screener	919
Total	2041

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	543
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	4
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	2
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	16
	7. Not a business: private household	32
	8. Ineligible activity: education, agriculture, finances, governments...	39
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	171
	92. Line out of order	16
	93. No tone	16
	10. Answering machine	5
	11. Fax line - data line	8
	12. Wrong address/ moved away and could not get the new references	266
	13. Refuses to answer the screener	919
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	375
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	3
Total	2416	

PANEL

Complete interviews (Total)	17
Incomplete interviews	0
Elegible in process	5
Refusals	8
Out of target	6
Impossible to contact	34
Ineligible - coop.	0
Refusal to the Screener	39
Total	109

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	29
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	1
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	0
	7. Not a business: private household	3
	8. Ineligible activity: education, agriculture, finances, governments...	3
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	6
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	28
	13. Refuses to answer the screener	39
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	12
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	121

FRESH

Complete interviews (Total)	233
Incomplete interviews	0
Elegible in process	104
Refusals	183
Out of target	81
Impossible to contact	448
Ineligible - coop.	3
Refusal to the Screener	880
Total	1932

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	514
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	4
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	1
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	16
	7. Not a business: private household	29
	8. Ineligible activity: education, agriculture, finances, governments...	36
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	165
	92. Line out of order	16
	93. No tone	16
	10. Answering machine	5
	11. Fax line - data line	8
	12. Wrong address/ moved away and could not get the new references	238
	13. Refuses to answer the screener	880
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	363
151. Out of target - outside the covered regions, firm moved abroad	0	
152. Out of target - firm moved abroad	3	
Total	2295	

A.8.3. Cell weights and universe estimates

Individual cell weights (strict)

Regions	Employees	Sector		
		Manufacturing	52	Residual
Praha	5-19	80	23	208
	20-99	26	15	70
	100+	30	5	13
Stredni Cechy	5-19	215	28	158
	20-99	59	7	56
	100+	22	7	11
Jihozapad	5-19	141	57	245
	20-99	130	6	65
	100+	26	3	13
Severozapad	5-19	186	35	205
	20-99	84	15	100
	100+	37		17
Severovychod	5-19	151	47	385
	20-99	128	19	92
	100+	13		33
Jihovychod	5-19	48	59	334
	20-99	51	13	64
	100+	16	3	35
Stredni Morava	5-19	67	122	208
	20-99	42	19	48
	100+	44	6	4
Moravskoslezsko	5-19	135	32	176
	20-99	109	6	70
	100+	38	3	14

Individual cell weights (median)

		Sector		
Regions	Employees	Manufacturing	52	Residual
Praha	5-19	225	69	712
	20-99	66	39	220
	100+	82	16	43
Stredni Cechy	5-19	619	84	550
	20-99	156	19	180
	100+	62	20	38
Jihozapad	5-19	378	157	794
	20-99	318	14	192
	100+	67	7	41
Severozapad	5-19	525	102	702
	20-99	217	39	314
	100+	103		57
Severovychod	5-19	363	116	1127
	20-99	283	44	248
	100+	30		94
Jihovychod	5-19	141	181	1203
	20-99	139	36	213
	100+	48	8	123
Stredni Morava	5-19	139	262	521
	20-99	80	38	110
	100+	88	13	10
Moravskoslezsko	5-19	286	70	451
	20-99	211	13	165
	100+	79	6	35

Individual cell weights (weak)

		Sector		
Regions	Employees	Manufacturing	52	Residual
Praha	5-19	324	101	1010
	20-99	88	53	286
	100+	99	19	51
Stredni Cechy	5-19	918	127	801
	20-99	211	26	240
	100+	77	25	46
Jihozapad	5-19	516	219	1066
	20-99	398	18	236
	100+	77	8	46
Severozapad	5-19	760	151	998
	20-99	287	53	409
	100+	124		68
Severovychod	5-19	481	158	1464
	20-99	342	54	294
	100+	33		102
Jihovychod	5-19	202	266	1691
	20-99	182	48	274
	100+	58	10	145
Stredni Morava	5-19	208	402	766
	20-99	110	53	148
	100+	111	16	12
Moravskoslezsko	5-19	425	106	659
	20-99	287	18	221
	100+	99	8	42

Czech Republic Universe estimates

Strict individual cell weights	Median individual cell weights	Weak individual cell weights
14367	40211	55157

A.8.4. Survey and item non-response

The number of contacted establishments per realized interview was 8.16. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units.

A.8.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency 1	Name: Factum Invenio, s.r.o. Country: Czech Republic Membership of international organisation: Factum Group, Esomar, British Chamber of Commerce, Chambre de Commerce Franco - Tchèque Activities since: 1991
Name of Project Manager	Jan Nalezný
Name and position of other key persons of the project	Country Manager Field Work Manager
Enumerators involved	Enumerators: 120 Recruiters: 5 No enumerator worked on recruitment
Other staff involved	Fieldwork Coordinators: 1 Editing: 4 Data Entry: 2 Data Processing: -

Local agency 2	Name: TNS AISA, s.r.o. Country: The Czech Republic Membership of international organisation: TNS, WPP, ESOMAR, SIMAR Activities since: 1990
Name of Project Manager	Jana Rajsnerová
Name and position of other key persons of the project	Project Executive Project Executive Executive Assistant F2F Executive Assistant F2F
Enumerators involved	Enumerators: 111 Recruiters: interviewers also involved in recruitment
Other staff involved	Fieldwork Coordinators: 2 Editing: 0 Data Entry: 0 Data Processing: 3

Sample Frame

Characteristic of sample frame used	Database ALBERTINA (http://www.albertina.cz/czech/afm/p_poparo.html)
Source	Albertina - Creditinfo Czech Republic. Drawn from the complete RES (database of the Czech Statistical Office)
Year of publication	2007
Comments on the quality of the sample frame	TNS AISA statistics: 18.2 % wrong addresses 4.4 % unable to contact by telephone 2.2 % out of target
Year and organisation that conducted the last economic census	Czech Statistical Office

Sample

Comments/problems on sectors and regions selected in the sample	Czech Republic was divided in accordance with NUTS2. Given the required coverage, a large field-force was necessary which posed some challenges for the field organization.
Comments on the response rate	Initially, the response rate was proving problematic. Respondents were often very reluctant to participate a priori; the market is “over-surveyed” and respondents claim to be too busy to find time to participate. Consequently, TNS AISA was taken on board to help achieve the target number of interviews.
Comments on the sample design	From an organisational point-of-view it was difficult to handle replacements when 2nd and 3rd priorities of a record number were situated in other districts or regions than 1st priority and thus for another team of interviewers.

Fieldwork

Date of fieldwork	September 2008 – March 2009
Country	Czech Republic
Number of interviews	Manufacturing: 94 Services (sector 52): 90 Core: 66
Problems found during fieldwork	Refusals caused mainly by respondents’ lack of time. The length and depth of the questionnaire and sampling method made the coordination of interviewers’ work generally demanding – especially when there was a mistake or data missing in a questionnaire which required being sorted out by call-backs.
Other observations	Respondents often interested in the survey

Questionnaires

Problems for the understanding of questions (write question number)	Factum found that respondents on occasion did not know answers during the first interviewer’s visit which involved several contacts.
Problems found in the navigability of questionnaires (for example, skip patterns)	No special problems encountered
Comments on questionnaire length	Average length in the Czech language is 89.6 minutes. Although the questionnaire is unusually long, the most demanding point was in persuading respondents to partake in the survey. The length of the questionnaire was then accepted in most cases.
Suggestions or other comments on the questionnaires	N/A

Database

Data entry program chosen	CONFIRMIT (Factum) NIPO ODIN scripting software (TNS AISA).
Comments on the data entry program	Data inserted by the interviewer into programmed script directly during interviewing (TNS AISA)
Comments on the data cleaning	In the case of CONFIRMIT, it would have been very helpful to have gotten an export in EXCEL or other such format when doing the cleaning.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	The global economic crisis influenced the level of respondents’ willingness to participate but there shouldn’t be any bias in the data validity. February-March was also difficult as it’s the tax returns period.
Relevant country events that occurred during fieldwork	None
Other aspects	N/A

A.9 Estonia

A.9.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The source of the second sample frame was the 2007 version of the Estonian Business Register produced by the Ministry of Justice.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 18.8% (134 out of 712 establishments).

Regional stratification was defined in 5 regions. These regions are Põhja-Eesti, Lääne-Eesti, Kesk-Eesti, Kirde-Eesti, and Lõuna-Eesti (NUTS-3).

Sectors included in the Sample:

Original Sectors	Manufactures: 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 34, 35, 36 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 63, 64, 72
Added (top up) Sectors	None

Fresh sample frame

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Põhja-Eesti	5-19	837	704	2775	4316
	20-99	435	178	677	1290
	100+	110	49	90	249
Põhja-Eesti Total		1382	931	3542	5855
Lääne-Eesti	5-19	191	130	522	843
	20-99	122	19	118	259
	100+	25	5	6	36
Lääne-Eesti Total		338	154	646	1138
Kesk-Eesti	5-19	146	95	338	579
	20-99	93	16	83	192
	100+	26	5	5	36
Kesk-Eesti Total		265	116	426	807
Kirde-Eesti	5-19	109	124	272	505
	20-99	68	21	91	180
	100+	30	0	12	42
Kirde-Eesti Total		207	145	375	727
Lõuna-Eesti	5-19	368	216	951	1535
	20-99	230	35	256	521
	100+	57	10	14	81
Lõuna-Eesti Total		655	261	1221	2137
Grand Total		2847	1607	6210	10664

Source: Centre of Registers by Ministry of Justice

Panel sample frame

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Põhja-Eesti	<5	1	3	4	8
	5-19	5	4	13	22
	20-99	4	3	12	19
	100+	5		12	17
Põhja-Eesti Total		15	10	41	66
Lääne-Eesti	<5	1	1	1	3
	5-19		1	3	4
	20-99	2		3	5
	100+				0
Lääne-Eesti Total		3	2	7	12
Kesk-Eesti	<5		2	1	3
	5-19		1	4	5
	20-99	2	1	2	5
	100+				0
Kesk-Eesti Total		2	4	7	13
Kirde-Eesti	<5			1	1
	5-19	1		1	2
	20-99	1		2	3
	100+			1	1
Kirde-Eesti Total		2	0	5	7
Lõuna-Eesti	<5	1	2	8	11
	5-19	2	5	5	12
	20-99			5	5
	100+	3	1		4
Lõuna-Eesti Total		6	8	18	32
Grand Total		28	24	78	130

Source: BEEPS 2005

Original sample design

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Põhja-Eesti	5-19	10	5	5	20
	20-99	10	4	3	17
	100+	10	5	5	20
Põhja-Eesti Total		30	14	13	57
Lääne-Eesti	5-19	5	7	10	22
	20-99	4	7	10	21
	100+	5	5	16	26
Lääne-Eesti Total		14	19	36	69
Kesk-Eesti	5-19	5	5	5	15
	20-99	4	3	4	11
	100+	3	3	0	6
Kesk-Eesti Total		12	11	9	32
Kilde-Eesti	5-19	7	15	5	27
	20-99	6	8	5	19
	100+	5	18	2	25
Kilde-Eesti Total		18	41	12	71
Lõuna-Eesti	5-19	5	5	7	17
	20-99	5	5	5	15
	100+	2	4	3	9
Lõuna-Eesti Total		12	14	15	41
Grand Total		86	99	85	270

A.9.2. Status codes

TOTAL

Complete interviews (Total)	273
Incomplete interviews	0
Elegible in process	2
Refusals	25
Out of target	63
Impossible to contact	43
Ineligible - coop.	28
Refusal to the Screener	231
Total	665

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	291
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	2
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	4
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	3
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	30
	6. The firm discontinued businesses	27
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	6
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	35
	92. Line out of order	1
	93. No tone	1
	10. Answering machine	3
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	3
	13. Refuses to answer the screener	231
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	47
	151. Out of target - outside the covered regions, firm moved abroad	1
	152. Out of target - firm moved abroad	27
Total	712	

PANEL

Complete interviews (Total)	66
Incomplete interviews	0
Elegible in process	0
Refusals	7
Out of target	8
Impossible to contact	9
Ineligible - coop.	2
Refusal to the Screener	37
Total	129

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	66
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	3
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	3
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	5
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	3
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	6
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	1
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	2
	13. Refuses to answer the screener	37
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	1
151. Out of target - outside the covered regions, firm moved abroad	0	
152. Out of target - firm moved abroad	2	
Total	130	

FRESH

Complete interviews (Total)	207
Incomplete interviews	0
Elegible in process	2
Refusals	18
Out of target	55
Impossible to contact	34
Ineligible - coop.	26
Refusal to the Screener	194
Total	536

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	225
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	30
	6. The firm discontinued businesses	22
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	3
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	29
	92. Line out of order	1
	93. No tone	1
	10. Answering machine	2
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	1
	13. Refuses to answer the screener	194
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	46
	151. Out of target - outside the covered regions, firm moved abroad	1
	152. Out of target - firm moved abroad	25
	Total	582

A.9.3. Cell weights and universe estimates

Collapsed cell weights (strict)

Region	Employees	Sector		
		Manufacturing	52	Residual
Põhja-Eesti	5-19	43	30	76
	20-99	24	7	20
	100+	4	2	2
Lääne-Eesti	5-19	43	15	45
	20-99	7	2	14
	100+	2	3	1
Kesk-Eesti	5-19	25	6	76
	20-99	17	2	11
	100+	2		3
Kirde-Eesti	5-19	12	29	19
	20-99	6	2	14
	100+	5		6
Lõuna-Eesti	5-19	27	10	36
	20-99	25	7	22
	100+	6	1	2

Collapsed cell weights (median)

Region	Employees	Sector		
		Manufacturing	52	Residual
Põhja-Eesti	5-19	77	56	128
	20-99	46	15	39
	100+	7	3	4
Lääne-Eesti	5-19	71	26	74
	20-99	13	4	24
	100+	3	5	3
Kesk-Eesti	5-19	35	8	128
	20-99	26	3	17
	100+	4		4
Kirde-Eesti	5-19	21	53	34
	20-99	12	4	27
	100+	10		11
Lõuna-Eesti	5-19	41	15	54
	20-99	41	11	37
	100+	11	2	3

Collapsed cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
Põhja-Eesti	5-19	84	60	145
	20-99	50	16	44
	100+	7	3	4
Lääne-Eesti	5-19	81	29	87
	20-99	15	5	28
	100+	3	5	3
Kesk-Eesti	5-19	38	9	145
	20-99	28	3	18
	100+	4		4
Kirde-Eesti	5-19	24	57	39
	20-99	14	4	30
	100+	10		12
Lõuna-Eesti	5-19	44	16	60
	20-99	44	12	40
	100+	11	2	3

Estonia universe estimates

Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
4781	8207	9058

A.9.4. Survey and item non-response

The number of contacted establishments per realized interview was 2.44. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (2.44) suggests that the main source of error in estimates in the Estonia may be selection bias and not frame inaccuracy.

A.9.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: TNS Emor Country: Estonia Membership of international organization: Activities since: 1990
Name of Project Manager	
Name and position of other key persons of the project	
Enumerators involved	Enumerators: 42 Recruiters: The interviewers were also in charge of the recruitment
Other staff involved	Fieldwork Coordinators: 1 Programming: 1 Data Processing: 2

Sample Frame

Characteristic of sample frame used	Estonian Business Register
Source	Estonian Business Register by Ministry of Justice
Year of publication	2006
Comments on the quality of the sample frame	Official Register, good quality

Year and organisation that conducted the last economic census	None
---------------------------------------------------------------	------

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: None On regions: None
Comments on the response rate	There were quite a big number of refusals to complete the survey.
Comments on the sample design	The replacement system (by preference number) and the limited number of contacts per target interview made this survey's fieldwork extremely difficult to co-ordinate
Other comments	There were very specific and restricted target per samples cell. Background data – size and ISIC quotas didn't apply to the reality

Fieldwork

Date of fieldwork	August - October 2008
Country	Estonia
Number of interviews	Manufacturing: 90 Services (sector 52): 124 Core: 59
Problems found during fieldwork	In the sample, there were many size groups and field of activities that were different in the reality.
Other observations	None

Questionnaires

Problems for the understanding of questions (write question number)	G30B, L11A, ECAG9 were the most difficult questions for respondents. The World Bank and EBRD might need to look into the possibility of changing them in the future.
Problems found in the navigability of questionnaires (for example, skip patterns)	The questionnaire changed before the fieldwork several times, which meant for us that we had to change the script several times.
Comments on questionnaire length	The questionnaire is too long, in particular for these target respondents.
Suggestions or other comments on the questionnaires	Using different logics for the panel and fresh samples classifications complicated survey implementation. For example, in the panel some companies were under service, but in case of fresh sample these would have been under residual.

Database

Data entry program chosen	CAPI, programmed following TNS opinion data map and instructions
Comments on the data entry program	None
Comments on the data cleaning	None

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	There were no particular events happening during the BEEPS IV fieldwork development which could have influenced respondent's answers to the survey.
Relevant country events that occurred during fieldwork	N/A
Other aspects	N/A

A.10 FYR Macedonia

A.10.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The source of the second sample frame was the Central Registry of Macedonia.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 15.98% (90 out of 563 establishments).

Regional stratification was defined in 4 regions. These regions are Eastern, North-West & West, Skopje, and South. Table below shows the municipalities included in each of these four regions.

NUTS-3 statistical regions	Municipalities included	Grouping used for stratification purposes in BEEPS IV
Skopje	Greater Skopje (municipalities of Aerodrom, Butel, Cair, Centar, Gazi Baba, Gjorce Petrov, Karpos, Kisela Voda, Saraj, Suto Orizari), Arcinovo, Cucer Sandevo, Ilinden, Petrovec, Sopiste, Studenicani, Zelenikovo	Skopje
Eastern	Berovo, Cesinovo-Oblesevo, Delcevo, Karbinci, Kocani, Makedonska Kamenica, Pehcevo, Probistip, Stip, Vinica, Zrnovci	Eastern Macedonia
North Eastern	Kratovo, Kriva Palanka, Kumanovo, Lipkovo, Rankovce, Staro Nagoricane	
South Eastern	Bogdanci, Bosilovo, Gevgelija, Konce, Novo Selo, Radovis, Star Dojran, Strumica, Valandovo, Vasilevo	
South Western	Centar Zupa, Debar, Debarca, Drugovo, Kicevo, Makedonski Brod, Ohrid, Oslomej, Plasnica, Struga, Vevcani, Vranestica, Zajas	North-West & West Macedonia
Poloski	Bogovinje, Brvenica, Gostivar, Jegunovce, Mavrovo i Rostusa, Tearce, Tetovo, Vrapciste, Zelino	
Vardarski	Caska, Demir Kaplja, Gradsko, Kavadarci, Negotino, Rosoman, Veles, Lozovo, Sveti Nikole	South Macedonia
Pelagoniski	Bitola, Demir Hisar, Krivogastani, Krusevo, Mogila, Prilep, Resen, Novaci, Dolneni	

Sectors included in the sample:

Original sectors	Manufacturing: 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 30, 31, 33, 34, 35, 36, 37 Services: 52 Residual: 45, 50, 51, 55, 60, 62, 63, 64, 72
Added (top up) sectors	None

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Skopje	5-19	422	466	1051	1,939
	20-99	136	54	203	393
	100+	47	10	42	99
Skopje Total		605	530	1296	2,431
Eastern Macedonia	5-19	468	368	417	1,253
	20-99	283	23	81	387
	100+	89	0	8	97
Eastern Macedonia Total		840	391	506	1,737
North-West & West	5-19	195	287	305	787
	20-99	96	23	49	168
	100+	23	1	6	30
North-West & West Total		314	311	360	985
South	5-19	205	246	299	750
	20-99	103	24	53	180
	100+	63	2	11	76
South Total		371	272	363	1,006
Grand Total		2130	1504	2525	6159

Source: Central Registry of Macedonia

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Skopje	<5	4	10	15	29
	5-19	6	4	8	18
	20-99	6	2	7	15
	100+	4	1	5	10
Skopje Total		20	17	35	72
Eastern Macedonia	<5		2	1	3
	5-19	2	2	3	7
	20-99	3			3
	100+	1		2	3
Eastern Macedonia Total		6	4	6	16
North-West & West	<5		1		1
	5-19	1	2	3	6
	20-99	4		2	6
	100+	4			4
North-West & West Total		9	3	5	17
South	<5	2	2	2	6
	5-19	2	1	2	5
	20-99	6	1	2	9
	100+	4		1	5
South Total		14	4	7	25
Grand Total		49	28	53	130

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Skopje	5-19	13	20	22	55
	20-99	9	25	23	57
	100+	9	5	21	35
Skopje Total		31	50	66	147
Eastern Macedonia	5-19	15	15	9	39
	20-99	18	11	9	38
	100+	16		4	20
Eastern Macedonia Total		49	26	22	97
North-West & West	5-19	6	12	7	25
	20-99	6	10	5	21
	100+	4		3	7
North-West & West Total		16	22	15	53
South	5-19	6	10	6	22
	20-99	7	11	6	24
	100+	11	1	5	17
South Total		24	22	17	63
Grand Total		120	120	120	360

A.10.2. Status codes

TOTAL

Complete interviews (Total)	366
Incomplete interviews	3
Elegible in process	1
Refusals	17
Out of target	26
Impossible to contact	64
Ineligible - coop.	0
Refusal to the Screener	77
Total	554

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	386
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	1
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	2
	6. The firm discontinued businesses	16
	7. Not a business: private household	2
	8. Ineligible activity: education, agriculture, finances, governments...	6
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	7
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	57
	13. Refuses to answer the screener	77
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	9
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
Total	563	

PANEL

Complete interviews (Total)	87
Incomplete interviews	1
Elegible in process	0
Refusals	9
Out of target	8
Impossible to contact	10
Ineligible - coop.	0
Refusal to the Screener	15
Total	130

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	97
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	6
	7. Not a business: private household	2
	8. Ineligible activity: education, agriculture, finances, governments...	0
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	0
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	10
	13. Refuses to answer the screener	15
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
Total	130	

FRESH

Complete interviews (Total)	279
Incomplete interviews	2
Elegible in process	1
Refusals	8
Out of target	18
Impossible to contact	54
Ineligible - coop.	0
Refusal to the Screener	62
Total	424

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	289
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	1
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	2
	6. The firm discontinued businesses	10
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	6
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	7
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	47
	13. Refuses to answer the screener	62
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	9
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	433

A.10.3. Cell weights and universe estimates

Collapsed cell weights (strict)

		Sector		
Region	Employees	Manufacturing	52	Residual
Skopje	5-19	38	27	44
	20-99	14	4	24
	100+	2		5
Eastern Macedonia	5-19	38	24	44
	20-99	14	2	11
	100+	18		2
North-West & West	5-19	10	10	6
	20-99	8	1	1
	100+	2	1	1
South	5-19	38	23	44
	20-99	14	2	5
	100+	4	1	1

Collapsed cell weights (median)

		Sector		
Region	Employees	Manufacturing	52	Residual
Skopje	5-19	38	30	47
	20-99	15	4	26
	100+	3		6
Eastern Macedonia	5-19	38	27	47
	20-99	15	2	13
	100+	21		3
North-West & West	5-19	12	13	7
	20-99	10	1	2
	100+	2	1	1
South	5-19	38	25	47
	20-99	15	2	6
	100+	5	2	2

Collapsed cell weights (weak)

		Sector		
Region	Employees	Manufacturing	52	Residual
Skopje	5-19	47	38	54
	20-99	17	5	28
	100+	3		6
Eastern Macedonia	5-19	47	33	54
	20-99	17	3	14
	100+	22		3
North-West & West	5-19	15	16	8
	20-99	12	1	2
	100+	3	1	1
South	5-19	47	31	54
	20-99	17	2	6
	100+	5	2	2

FYR of Macedonia universe estimates

Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
4612	5069	5961

A.10.4. Survey and item non-response

The number of contacted establishments per realized interview was 1.51. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (1.51) suggests that the main source of error in estimates in the Macedonia may be selection bias and not frame inaccuracy.

A.10.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: Brima Country: Macedonia Membership of international organization Gallup International, TNS
Name of Project Manager	
Name and position of other key persons of the project	

Enumerators involved	Enumerators: 25 Recruiters: 2 * The recruitment was done mostly by the same interviewers that conducted the interviews and additionally by our office – by our field force manager and for companies the project manager on this project
Other staff involved	Fieldwork Coordinators: 5 Data Entry: 1 Data Processing: 1

Sample Frame

Characteristic of sample frame used	The list used contained all relevant stratification variables: name of the establishment, contact details, region, city and municipality, ISIC codes, employee number.
Source	Central Registry of Macedonia
Year of publication	2008
Comments on the quality of the sample frame	One of the biggest difficulties was the fact that the establishments did not inform the CR of their new addresses and the information was not up-to-date with the current addresses – the city, municipality and region of the establishment was not always correct. Other information that was not always correct were the number of employees and the activity of the establishment. Also because this data base did not contain phone numbers, the recruitment was more difficult.
Year and organisation that conducted the last economic census	In Macedonia there never was an economic census
Other sources for companies information	The Central Registry in Macedonia is the only official place to get information on company statistics, as every company has to register and report any data that have been changed – so their data base is updated daily and has the most recent information regarding the company status, activity, address etc and has no phone numbers.

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: None On regions: Since some of the addresses of the establishment were wrong (as given by the Central Registry), the results was that our first preference establishments were sometimes done in a different municipality and region than planned, but still within and eligible region.
Comments on the response rate	We did not have many problems with the refusals; the refusal rate was as expected from our previous experiences. We managed to convince some of the respondents that refused to participate, but still some refusals were definite. The refusals were not related to any specific region, sector of activity and interviewer.
Comments on the sample design	None

Fieldwork

Date of fieldwork	September 2008 – January 2009
Country	FYR Macedonia
Number of interviews	Manufacturing: 115 Services (sector 52): 142 Core: 109
Problems found during fieldwork	The issues we had to deal with during fieldwork were expected and since we have experience in the B2B surveys and skilled interviews on the field, we managed to solve the problems efficiently. Those issues referred to the following: <ul style="list-style-type: none"> - recruitment process, - ensuring responses to more delicate issues - locating the establishment in cases where the addresses were wrong and there was no phone number
Other observations	None

Questionnaires

Problems for the understanding of questions (write question number)	ECAg12: respondents gave answers for all the licences as a sum, and not an average value. a18 and p4: there was a bit of confusion, when there were other people present during the interview – the answer on a18 would be 1 and on p4 would be 2,3 or four, because of other people present during the interview, despite the respondent.
Problems found in the navigability of questionnaires (for example, skip patterns)	No problems here
Comments on questionnaire length	The interviews lasted an hour on average or more and of course respondents were not very comfortable with the length of questionnaire. Some interviews had to be done in 2 visits.
Suggestions or other comments on the questionnaires	None

Database

Data entry program chosen	PERTS
Comments on the data entry program	None
Comments on the data cleaning	Data cleaning was done following the validation reports sent by TNS Opinion.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	In the past 15 years, Macedonia is going through a transition period during which unemployment, poverty and overall difficult economic situation are the biggest problems the country is facing today. On the other hand in Macedonia the response rate is usually high, since the culture is hospitable and welcoming.
Relevant country events that occurred during fieldwork	No relevant events during the fieldwork that would affect the results of the survey or the fieldwork.
Other aspects	None

A.11 Georgia

A.11.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The second sample frame is based on official data from department of Statistics of Ministry of Economic Development of Georgia 2007.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 20% (137 out of 697 establishments).

Regional stratification was defined in 6 regions. These regions are Tblisi, Kvemo Kartli, Kakheti, Mmtskheta-Mtianeti, Imereti, and Shida Kartli.

Region (Mkhare)	Districts	Grouping used for stratification purposes in BEEPS IV
Tbilisi	Tbilisi	Tbilisi
Imereti	Baghdati, Chiatura, Kharagauli, Khoni, Kutaisi, Sachkhere, Samtredia, Terjola, Tkibuli, Tskaltubo, Vani, Zestaponi	Imereti
Kakheti	Akhmeta, Dedoplistskaro, Gurjaani, Kvareli, Lagodekhi, Sagarejo, Signagi, Telavi	Kakheti
Kvemo Kartli	Bolnisi, Dmanisi, Gardabani, Marneuli, Rustavi, Tetrtskaro, Tsalka	Kvemo Kartli
Mtskheta-Mtianeti	Akhgori, Dusheti, Kazbegi, Mtskheta, Tianeti	Mtskheta-Mtianeti
Shida Kartli	Gori, Java, Kareli, Kaspi, Khashuri, Tskhinvali	Shida Kartli
Adjara	Batumi, Keda, Khelvachauri, Khulo, Kobuleti, Shuakhevi	Not covered
Guria	Chokhatauri, Lanchkhuti, Ozurgeti	Not covered
Racha-Lechkhumi and Kvemo Svaneti	Ambrolauri, Lentekhi, Oni, Tsageri	Not covered
Samegrelo and Zemo Svaneti	Abasha, Chkorotsku, Khobi, Martvili, Mestia, Poti, Senaki, Tsalenjikha, Zugdidi	Not covered
Samtskhe-Javakheti	Adigeni, Akhalkalaki, Akhaltsikhe, Aspindza, Borjomi, Ninotsminda	Not covered
Abkhazia	Gagra, Gali, Gudauta, Gulripshi, Ochamchire, Sokhumi	Not covered

Sectors included in the sample:

Original sectors	Manufacturing: 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64
Added (top up) sectors	None

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Tbilisi	5-19	493	489	1186	2168
	20-99	175	71	479	725
	100+	44	17	118	179
Tbilisi Total		712	577	1783	3072
Kvemo Kartli	5-19	80	101	182	363
	20-99	34	6	43	83
	100+	13	1	3	17
Kvemo Kartli Total		127	108	228	463
Kakheti	5-19	102	61	82	245
	20-99	32	4	23	59
	100+	7		2	9
Kakheti Total		141	65	107	313
Mtskheta-Mtianeti	5-19	18	4	39	61
	20-99	4		17	21
	100+	3		5	8
Mtskheta-Mtianeti Total		25	4	61	90
Imereti	5-19	203	119	241	563
	20-99	37	9	64	110
	100+	4		10	14
Imereti Total		244	128	315	687
Shida Kartli	5-19	83	41	92	216
	20-99	20	5	25	50
	100+	8		8	16
Shida Kartli Total		111	46	125	282
Grand Total		1360	928	2619	4907

Source: Department of Statistics of Georgia

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Tbilisi	2-49			6	6
	50-99	3			3
	100+		33	21	54
Tbilisi Total		3	33	27	63
Kvemo Kartli	2-49				
	50-99	13			13
	100+		1	1	2
Kvemo Kartli Total		13	1	1	15
Kakheti	2-49				
	50-99	2			2
	100+		7		7
Kakheti Total		2	7		9
Mtskheta-Mtianeti	2-49				
	50-99				
	100+		3	3	6
Mtskheta-Mtianeti Total			3	3	6
Imereti	2-49			1	1
	50-99	15			15
	100+		5	5	10
Imereti Total		15	5	6	26
Shida Kartli	2-49				
	50-99	14			14
	100+		4	6	10
Shida Kartli Total		14	4	6	24
Grand Total		47	53	43	143

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Tbilisi	5-19	8	16	8	32
	20-99	7	15	7	29
	100+	5	5	5	15
Tbilisi Total		20	36	20	76
Kvemo Kartli	5-19	8	13	9	30
	20-99	7	6	8	21
	100+	5	1	3	9
Kvemo Kartli Total		20	20	20	60
Kakheti	5-19	8	16	9	33
	20-99	7	4	9	20
	100+	5		2	7
Kakheti Total		20	20	20	60
Mtskheta-Mtianeti	5-19	13	4	8	25
	20-99	4		7	11
	100+	3		5	8
Mtskheta-Mtianeti Total		20	4	20	44
Imereti	5-19	9	11	8	28
	20-99	7	9	7	23
	100+	4		5	9
Imereti Total		20	20	20	60
Shida Kartli	5-19	8	15	8	31
	20-99	7	5	7	19
	100+	5		5	10
Shida Kartli Total		20	20	20	60
Grand Total		120	120	120	360

A.11.2. Status codes

TOTAL

Complete interviews (Total)	373
Incomplete interviews	6
Elegible in process	2
Refusals	43
Out of target	137
Impossible to contact	64
Ineligible - coop.	4
Refusal to the Screener	64
Total	693

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	382
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	9
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	23
	16. Panel firm - now less than five employees	9
Ineligible	5. The establishment has less than 5 permanent full time employees	10
	6. The firm discontinued businesses	100
	7. Not a business: private household	14
	8. Ineligible activity: education, agriculture, finances, governments...	13
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	11
	92. Line out of order	0
	93. No tone	1
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	52
	13. Refuses to answer the screener	64
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	4
	151. Out of target - outside the covered regions, firm moved abroad	2
	152. Out of target - firm moved abroad	2
Total	697	

PANEL

Complete interviews (Total)	68
Incomplete interviews	2
Elegible in process	1
Refusals	9
Out of target	21
Impossible to contact	1
Ineligible - coop.	0
Refusal to the Screener	8
Total	110

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	67
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	4
	16. Panel firm - now less than five employees	9
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	18
	7. Not a business: private household	1
	8. Ineligible activity: education, agriculture, finances, governments...	2
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	0
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	1
	13. Refuses to answer the screener	8
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	1
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	111

FRESH

Complete interviews (Total)	305
Incomplete interviews	4
Elegible in process	1
Refusals	34
Out of target	116
Impossible to contact	63
Ineligible - coop.	4
Refusal to the Screener	56
Total	583

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	315
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	9
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	19
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	10
	6. The firm discontinued businesses	82
	7. Not a business: private household	13
	8. Ineligible activity: education, agriculture, finances, governments...	11
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	11
	92. Line out of order	0
	93. No tone	1
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	51
	13. Refuses to answer the screener	56
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	3
	151. Out of target - outside the covered regions, firm moved abroad	2
	152. Out of target - firm moved abroad	2
Total	586	

A.11.3. Cell weights and universe estimates

Collapsed cell weights (strict)

		Sector		
Region	Employees	Manufacturing	52	Residual
Tbilisi	5-19	21	10	57
	20-99	16	3	24
	100+	9	2	12
Kvemo Kartli	5-19	21	10	57
	20-99	2	3	3
	100+	1	1	2
Kakheti	5-19	5	2	6
	20-99	3	1	1
	100+	1		2
Mtskheta-Mtianeti	5-19	1	1	2
	20-99	1		1
	100+	1		1
Imereti	5-19	12	6	20
	20-99	3	1	5
	100+	3		1
Shida Kartli	5-19	5	1	8
	20-99	2	1	2
	100+	1		1

Collapsed cell weights (median)

		Sector		
Region	Employees	Manufacturing	52	Residual
Tbilisi	5-19	24	12	67
	20-99	19	3	29
	100+	11	3	15
Kvemo Kartli	5-19	24	12	67
	20-99	2	4	4
	100+	1	1	2
Kakheti	5-19	5	2	6
	20-99	3	1	2
	100+	1		2
Mtskheta-Mtianeti	5-19	1	1	2
	20-99	1		1
	100+	1		1
Imereti	5-19	13	7	22
	20-99	3	1	5
	100+	4		2
Shida Kartli	5-19	5	2	8
	20-99	2	1	2
	100+	1		1

Collapsed cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
Tbilisi	5-19	30	15	87
	20-99	20	3	32
	100+	11	3	15
Kvemo Kartli	5-19	30	15	87
	20-99	3	5	6
	100+	2	1	3
Kakheti	5-19	6	3	7
	20-99	4	1	2
	100+	1		2
Mtskheta-Mtianeti	5-19	2	1	2
	20-99	2		2
	100+	1		1
Imereti	5-19	15	8	26
	20-99	3	1	6
	100+	4		2
Shida Kartli	5-19	7	2	10
	20-99	2	1	2
	100+	1		2

Georgia universe estimates

Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
2833	3307	3878

A.11.4. Survey and item non-response

The number of contacted establishments per realized interview was 1.86. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (1.86) suggests that the main source of error in estimates in the Georgia may be selection bias and not frame inaccuracy.

A.11.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: GORBI Country: GEORGIA Membership of international organization: Member of Gallup international Activities since: 1991
Name of Project Manager	
Name and position of other key persons of the project	
Enumerators involved	Enumerators: 19 <i>Recruiters:</i> Recruiters and interviewers are the same persons in Georgia.
Other staff involved	Fieldwork Coordinators: 1 Editing: 0 Data Entry: 5 people Data Processing: 2 people

Sample Frame

Characteristic of sample frame used	Sample frame is based on official data from department of Statistics of Ministry of Economic Development of Georgia that was provided to GORBI at the end of 2007. The Data Base was provided only with the requested data that was necessary for BEEPS project.
Source	Department of Statistics, Georgia
Year of publication	2008
Comments on the quality of the sample frame	During validation process out of 100 contacts, 68 had correct telephone numbers and 59 addresses were valid
Year and organisation that conducted the last economic census	Department of Statistics, Georgia
Other sources for companies statistics	NAP

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: None On regions: The most problematic regions were Mtskheta-Mtianeti and Kvemo Kartli. In these two regions there were lots of problems to find establishments and to convince top managers to participate in the survey which is why we reached targets for both with interviews from neighbouring regions.
Comments on the response rate	In general respondents were reluctant and often even refused to give answers to hard data questions.
Comments on the sample design	In panel progress report there were many cases when the region was not identified correctly. Also, in other cases, the region was determined correctly, but the city wasn't defined correctly.
Other comments	The larger the establishment and the larger the size of locality the more seriously respondents took this survey.

Fieldwork

Date of fieldwork	April – August 2008
Country	Georgia
Number of interviews	Manufacturing: 121 Services (sector 52): 139 Core: 113
Problems found during fieldwork	No particular problems were found. The addresses of some organizations were not indicated correctly. The local institute managed to retrieve some. The end of field work was difficult due to the vacation period.
Other observations	

Questionnaires

Problems for the understanding of questions (write question number)	n4a: The meaning of word compensation in Georgia is perceived as “payment for recovery of damages” and not as “monthly income” or “monthly salary”. The enumerators were instructed that this should be understood in terms of compensation.
Problems found in the navigability of questionnaires (for example, skip patterns)	No special problems encountered
Comments on questionnaire length	Most of the respondents were complaining about the length of questionnaires.
Suggestions or other comments on the questionnaires	Preferable if questionnaires could be shorter.

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	None
Comments on the data cleaning	

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	These aspects were moderate and did not have a dramatic impact on the survey process (fieldwork was completed just before the war broke out in Georgia).
Relevant country events that occurred during fieldwork	Parliamentary Elections took place on May 21st. Pre-election and election period created some obstacles for interviewers
Other aspects	

A.12 Hungary

A.12.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The second sample frame for Hungary was the Dun & Bradstreet database, which was considered the most reliable for the country. That frame was sent to the TNS statistical team in London to select the establishments for interview.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 4.6% (29 out of 630 establishments).

Regional stratification was defined in three regions. These regions are Central Hungary, West Hungary and East Hungary (NUTS-1).

Sectors included in the sample:

Original sectors	Manufacturing: 15 - 37 Services: 52 Residual: 45, 50, 51, 55, 60, 64, 72
Added (top up) sectors	None

Fresh sample frame

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Central Hungary	5-19	1318	825	3049	5192
	20-99	822	301	1401	2524
	100+	241	91	261	593
Central Hungary Total		2381	1217	4711	8309
Transdanubia	5-19	1036	537	1588	3161
	20-99	713	175	657	1545
	100+	342	40	77	459
Transdanubia Total		2091	752	2322	5165
Northern Hungary & Great Plain	5-19	846	577	1417	2840
	20-99	913	228	693	1834
	100+	335	52	103	490
Northern Hungary & Great Plain Total		2094	857	2213	5164
Grand Total		6566	2826	9246	18638

Source: Dun & Bradstreet Database 2008

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Central Hungary	<5	2	2	9	13
	5-19	4	5	9	18
	20-99	5	0	11	16
	100+	6	1	3	10
Central Hungary Total		17	8	32	57
Transdanubia	<5	0	3	2	5
	5-19	2	1	16	19
	20-99	3	0	9	12
	100+	7	1	3	11
Transdanubia Total		12	5	30	47
Northern Hungary & Great Plain	<5	0	1	1	2
	5-19	4	5	12	21
	20-99	4	3	13	20
	100+	7	1	5	13
Northern Hungary & Great Plain Total		15	10	31	56
Grand Total		44	23	93	160

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Central Hungary	5-19	12	13	15	40
	20-99	10	13	15	38
	100+	8	15	18	41
Central Hungary Total		30	41	48	119
Transdanubia	5-19	10	8	8	26
	20-99	9	7	7	23
	100+	11	7	5	23
Transdanubia Total		30	22	20	72
Northern Hungary & Great Plain	5-19	8	9	7	24
	20-99	11	10	8	29
	100+	11	8	7	26
Northern Hungary & Great Plain Total		30	27	22	79
Grand Total		90	90	90	270

A.12.2. Status codes

TOTAL

Complete interviews (Total)	291
Incomplete interviews	20
Elegible in process	33
Refusals	0
Out of target	16
Impossible to contact	2
Ineligible - coop.	11
Refusal to the Screener	257
Total	630

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	325
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	19
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	15
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	1
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	2
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	0
	13. Refuses to answer the screener	257
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	538
	151. Out of target - outside the covered regions, firm moved abroad	11
	152. Out of target - firm moved abroad	0
	Total	1168

PANEL

Complete interviews (Total)	62
Incomplete interviews	3
Elegible in process	6
Refusals	0
Out of target	14
Impossible to contact	1
Ineligible - coop.	3
Refusal to the Screener	45
Total	134

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	68
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	3
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	13
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	1
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	1
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	0
	13. Refuses to answer the screener	45
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	26
	151. Out of target - outside the covered regions, firm moved abroad	3
	152. Out of target - firm moved abroad	0
Total	160	

FRESH

	Complete interviews (Total)	229
	Incomplete interviews	17
	Elegible in process	27
	Refusals	0
	Out of target	2
	Impossible to contact	1
	Ineligible - coop.	8
	Refusal to the Screener	212
	Total	496
ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	257
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	16
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	2
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	0
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	1
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	0
	13. Refuses to answer the screener	212
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	512
151. Out of target - outside the covered regions, firm moved abroad	8	
152. Out of target - firm moved abroad	0	
	Total	1008

A.12.3. Cell weights and universe estimates

Collapsed cell weights (strict)

Region	Employees	Sector		
		Manufacturing	52	Residual
Central Hungary	5-19	81	48	91
	20-99	51	20	50
	100+	13	3	14
Transdanubia	5-19	63	27	58
	20-99	44	10	55
	100+	25	2	7
Northern Hungary & Great Plain	5-19	81	17	91
	20-99	40	5	50
	100+	17	7	6

Collapsed cell weights (median)

Region	Employees	Sector		
		Manufacturing	52	Residual
Central Hungary	5-19	93	76	114
	20-99	48	36	73
	100+	12	6	13
Transdanubia	5-19	95	84	96
	20-99	76	34	104
	100+	41	8	12
Northern Hungary & Great Plain	5-19	93	60	114
	20-99	79	20	73
	100+	32	25	12

Collapsed cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
Central Hungary	5-19	100	80	119
	20-99	51	38	75
	100+	13	6	14
Transdanubia	5-19	97	83	95
	20-99	77	34	102
	100+	42	8	12
Northern Hungary & Great Plain	5-19	100	61	119
	20-99	83	21	75
	100+	34	26	13

Hungary universe estimates

Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
11830	17219	17794

A.12.4. Survey and item non-response

The number of contacted establishments per realized interview was 2.16. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units.

A.12.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: James & Tailor Consulting Country: Hungary Membership of international organisation: ESOMAR Activities since: 1997
Name of Project Manager	Jenő Tóth
Name and position of other key persons of the project	Deputy Project Manager
Enumerators involved	Enumerators: 56 Recruiters: 8 (Enumerators' and recruiters' jobs were separated)
Other staff involved	Fieldwork Coordinators: 2 Editing: 1 Data Entry: 1 Data Processing: -

Sample Frame

Characteristic of sample frame used	Database of more than 59,000 companies
Source	Dun & Bradstreet
Year of publication	2008
Comments on the quality of the sample frame	The quality of sample frame was appropriate, only data on number of employees were not precise enough.
Year and organisation that conducted the last economic census	Central Statistical Office (2006)
Other sources for companies statistics	N/A

Sample

Comments/problems on sectors and regions selected in the sample	Construction companies were very difficult to be recruited as they operate in grey economy mainly.
Comments on the response rate	Response rate was similar to a normal b2b survey.
Comments on the sample design	For some cases, it was difficult to handle the replacements (2nd and 3rd priorities) of a target company as these were situated in a region different from the 1st priority and thus belong to other supervisors and interviewers.

Fieldwork

Date of fieldwork	August 2008 –February 2009
Country	Hungary
Number of interviews	Manufacturing: 103 Services (sector 52): 105 Core: 83
Problems found during fieldwork	Experience shows that the management of this project is most effective when centralised with a core team of supervisors and interviewers. Respondents were reluctant to share figures from the accounts. Although this is public data, the majority of respondents are reluctant to share this data. (This is the usual attitude in Hungary in b2b sector).
Other observations	No.

Questionnaires

Problems for the understanding of questions (write question number)	n4a in Manufacturing questionnaires: the Hungarian translation used for 'including benefits when applicable' could be ambiguous and interpreted in the sense of 'reward for good performance'.
Problems found in the navigability of questionnaires (for example, skip patterns)	None
Comments on questionnaire length	No, it was manageable.
Suggestions or other comments on the questionnaires	N/A

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	N/A
Comments on the data cleaning	N/A

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	Impact of credit crunch and the consequential economic crisis reduced commitment of respondents to the survey.
Relevant country events that occurred during fieldwork	Credit crunch.
Other aspects	N/A

A.13 *Kazakhstan*

A.13.1. **Sampling structure and implementation**

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The second sample frame for Kazakhstan was a file of establishments obtained from the Agency of Statistics of the Republic of Kazakhstan. A copy of that frame was sent to the statistical team in London to select the establishments for interview.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 36% (609 out of 1686 establishments).

Regional stratification was defined in five regions. These regions are North, West, East, South, and Central. Table below shows the grouping of oblasts into these five regions.

Regions	Grouping used for stratification purposes in BEEPS IV (oblasts in brackets)
Centre	Centre (Karagandinskaya)
East	East (Vostochno-Kazakhstanskaya)
North	North (Astana, Akmolinskaya, Severo-Kazakhstanskaya, Kostanayskaya, Pavlodarskaya)
South	South (Almaty, Kyzylordinskaya, Zhambylskaya, Yuzhno-Kazakhstanskaya, Almatinskaya)
West	West (Mangistauskaya, Atyrauskaya, Aktyubinskaya, Zapadno-Kazakhstanskaya)

Sectors included in the sample:

Original sectors	Manufacturing: 15 - 37 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) sectors	None

Fresh sample frame

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
North	5-19	549	373	2553	3475
	20-99	402	124	954	1480
	100+	163	19	251	433
North Total		1114	516	3758	5388
West	5-19	208	107	1252	1567
	20-99	163	44	705	912
	100+	79	8	162	249
West Total		450	159	2119	2728
East	5-19	199	156	616	971
	20-99	123	41	267	431
	100+	81	11	68	160
East Total		403	208	951	1562
South	5-19	918	446	2733	4097
	20-99	657	163	1436	2256
	100+	271	57	343	671
South Total		1846	666	4512	7024
Center	5-19	176	114	609	899
	20-99	125	28	250	403
	100+	67	5	58	130
Center Total		368	147	917	1432
Grand Total		4181	1696	12257	18134

Source: Agency of Statistics of the Republic of Kazakhstan, 2007

Panel sample frame

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
North	<5	6	2	1	9
	5-19	22	6	5	33
	20-99	18	1	4	23
	100+	10	2	5	17
North Total		56	11	15	82
West	<5				
	5-19				
	20-99		1	1	2
	100+	1		1	2
West Total		1	1	2	4
East	<5		1		1
	5-19	2	1	3	6
	20-99	1		1	2
	100+			2	2
East Total		3	2	6	11
South	<5	6	3		9
	5-19	26	2	6	34
	20-99	22	2	15	39
	100+	15		8	23
South Total		69	7	29	105
Center	<5				
	5-19		6	1	7
	20-99		2	7	9
	100+			2	2
Center Total			8	10	18
Grand Total		129	29	62	220

Source: BEEPS 2005

Original sample design

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
North	5-19	14	18	14	46
	20-99	14	19	18	51
	100+	13	8	15	36
North Total		41	45	47	133
West	5-19	11	11	16	38
	20-99	11	11	15	37
	100+	11	4	16	31
West Total		33	26	47	106
East	5-19	12	13	11	36
	20-99	12	15	11	38
	100+	13	5	14	32
East Total		37	33	36	106
South	5-19	16	17	9	42
	20-99	16	17	9	42
	100+	15	25	9	49
South Total		47	59	27	133
Center	5-19	6	4	5	15
	20-99	6	7	6	19
	100+	7	3	8	18
Center Total		19	14	19	52
Grand Total		177	177	176	530

A.13.2. Status codes

TOTAL

Complete interviews (Total)	554
Incomplete interviews	0
Elegible in process	33
Refusals	415
Out of target	127
Impossible to contact	480
Ineligible - coop.	2
Refusal to the Screener	85
Total	1686

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	979
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	5
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	5
	16. Panel firm - now less than five employees	3
Ineligible	5. The establishment has less than 5 permanent full time employees	2
	6. The firm discontinued businesses	33
	7. Not a business: private household	52
	8. Ineligible activity: education, agriculture, finances, governments...	40
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	103
	92. Line out of order	11
	93. No tone	133
	10. Answering machine	2
	11. Fax line - data line	3
	12. Wrong address/ moved away and could not get the new references	228
	13. Refuses to answer the screener	85
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	89
	151. Out of target - outside the covered regions, firm moved abroad	1
	152. Out of target - firm moved abroad	1
Total	1775	

PANEL

Complete interviews (Total)	77
Incomplete interviews	0
Elegible in process	6
Refusals	31
Out of target	23
Impossible to contact	57
Ineligible - coop.	0
Refusal to the Screener	8
Total	202

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	107
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	4
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	3
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	3
	7. Not a business: private household	5
	8. Ineligible activity: education, agriculture, finances, governments...	15
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	24
	92. Line out of order	4
	93. No tone	11
	10. Answering machine	0
	11. Fax line - data line	1
	12. Wrong address/ moved away and could not get the new references	17
	13. Refuses to answer the screener	8
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	6
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	208

FRESH

Complete interviews (Total)	467
Incomplete interviews	0
Elegible in process	27
Refusals	384
Out of target	104
Impossible to contact	423
Ineligible - coop.	2
Refusal to the Screener	77
Total	1484

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	872
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	5
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	2
	6. The firm discontinued businesses	30
	7. Not a business: private household	47
	8. Ineligible activity: education, agriculture, finances, governments...	25
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	79
	92. Line out of order	7
	93. No tone	122
	10. Answering machine	2
	11. Fax line - data line	2
	12. Wrong address/ moved away and could not get the new references	211
	13. Refuses to answer the screener	77
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	83
	151. Out of target - outside the covered regions, firm moved abroad	1
	152. Out of target - firm moved abroad	1
	Total	1567

A.13.3. Cell weights and universe estimates

Collapsed cell weights (strict)

Region	Employees	Sector		
		Manufacturing	52	Residual
North	5-19	14	14	89
	20-99	10	3	26
	100+	6	2	13
West	5-19	12	6	88
	20-99	13	3	39
	100+	6	2	7
East	5-19	10	13	89
	20-99	7	2	26
	100+	5	3	4
South	5-19	22	12	88
	20-99	12	6	39
	100+	7	3	15
Center	5-19	22	14	63
	20-99	22	4	14
	100+	6	1	3

Collapsed cell weights (median)

Region	Employees	Sector		
		Manufacturing	52	Residual
North	5-19	15	15	95
	20-99	12	3	28
	100+	7	2	15
West	5-19	12	6	93
	20-99	15	3	43
	100+	7	2	8
East	5-19	11	13	95
	20-99	7	2	28
	100+	5	3	4
South	5-19	25	12	93
	20-99	13	6	43
	100+	8	3	17
Center	5-19	25	15	69
	20-99	26	4	15
	100+	7	1	4

Collapsed cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
North	5-19	26	22	148
	20-99	18	5	41
	100+	11	3	23
West	5-19	17	7	151
	20-99	19	4	64
	100+	8	3	10
East	5-19	14	15	148
	20-99	9	2	41
	100+	6	3	5
South	5-19	45	20	151
	20-99	23	9	64
	100+	13	4	28
Center	5-19	38	21	107
	20-99	37	5	23
	100+	10	2	5

Kazakhstan universe estimates

Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
9869	10680	16450

A.13.4. Survey and item non-response

The number of contacted establishments per realized interview was 2.48. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units.

A.13.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: BRIF Research Group LLP Country: Kazakhstan Membership of international organisation: ESOMAR, IRIS Activities since: 1991
Name of Project Manager	Aynur Akhmatullina
Name and position of other key persons of the project	Head of Quantitative Department
Enumerators involved	Enumerators: 57 Recruiters: 57 All interviewers acted as both recruiters and interviewers.
Other staff involved	Fieldwork Coordinators: 1 fieldwork supervisor Editing: 3 Data Entry: Data Processing: Head of Data Processing Department

Sample Frame

Characteristic of sample frame used	<ul style="list-style-type: none"> • Company name • Activity description • ISIC 2-digit code • Number of employees • Region • Phone number • Company address (Oblast, city, street name and number) • Name of the company boss
-------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Source	Agency of Statistics of RK
Year of publication	2007
Comments on the quality of the sample frame	More than a half the enterprises were impossible to contact mainly due to the following reasons: - the establishment moved away and new contacts were not found - line out of order - nobody replied after calling several times different days and times
Year and organisation that conducted the last economic census	Agency of Statistics of RK, 2007
Other sources for companies statistics	None

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: None. On regions: In the West we faced some problems as there are a lot of closed establishments where one cannot go in without special permission.
Comments on the response rate	There were a lot of refusals: almost a half of all eligible establishments.
Comments on the sample design	According to TNS' estimations, the number of establishment that needed to be interviewed in the West should have been less according to its share in the universe.

Fieldwork

Date of fieldwork	September 2008 – February 2009
Country	Kazakhstan
Number of interviews	Manufacturing: 181 Services (sector 52): 203 Core: 160
Problems found during fieldwork	There were cases when substitutions for firms for a particular record number were in different cities, even though they were in one region. However one region included several big cities and supervisors from different cities had to be in regular communication with each other. This also had an influence on the length of the fieldwork.
Other observations	No.

Questionnaires

Problems for the understanding of questions (write question number)	None
Problems found in the navigability of questionnaires (for example, skip patterns)	None
Comments on questionnaire length	A lot of respondents found the questionnaire too long.
Suggestions or other comments on the questionnaires	None

Database

Data entry program chosen	PERTS
Comments on the data entry program	No comments. Any problems that appeared were solved with TNS opinion before the data entry process started
Comments on the data cleaning	None

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	The financial crisis: - A lot of people lost their jobs, especially in the finance and construction sectors; - Some enterprises were in liquidation when interviewers contacted them - Interviewers claim that this year there were much more refusals than in other surveys.
Relevant country events that occurred during fieldwork	None
Other aspects	None

A.14 Kosovo under UNSCR 1244

A.14.1. Sampling structure and implementation

The source of the sample frame was the Association for Business Registration (ARBK - <http://www.arbk.org>). No panel sample frame was available.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 26.28% (113 out of 430 establishments).

Regional stratification was defined in 7 regions. These regions are Dakovica, Gnjilane, Kosovska Mitrovica, Pec, Pristina, Prizren, and Urosevac. Table below lists the municipalities in each region.

Grouping used for stratification purposes in BEEPS IV (municipalities in brackets)
Đakovica / Gjakovë (Đakovica/ Gjakovë, Dečani/ Deçan, Orahovac/ Rahovec)
Gnjilane (Gnjilane/ Gjilan, Kosovska Kamenica/ Kamenicë, Vitina/Viti)
Kosovska Mitrovica/Mitrovicë (Mitrovica, Leposavić/ Albanik, Srbica/ Skënderaj, Vuçitër/ Vushtrri, Zubin Potok, Zvečan/ Zveçan)
Peć / Pejë (Peć/ Pejë, Istok/ Burim, Klina/ Klinë)
Pristina/Prishtina (Pristina, Glogovac/ Glllogovc, Kosovo Polje/ Fushë Kosovë, Lipjan/Lipjan, Novo Brdo/ Novobërdë, Obilić/Kastriot, Podujevo/ Podujevë)
Prizren (Prizren, Dragaš/ Dragash, Suva Reka/ Suharekë, Mališevo/ Malishevë)
Uroševac/Ferizaj (Uroševac, Štimlje/ Shtime, Kačanik/ Kaçanik, Štrpce/ Shtërpçë)

Original sectors	Manufacturing: 15 - 37 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) sectors	None

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Dakovica	5-19	48	16	156	220
	20-99	10		10	20
	100+	6		2	8
Dakovica Total		64	16	168	248
Gnjilane	5-19	15	8	56	79
	20-99	2		6	8
	100+	1			1
Gnjilane Total		18	8	62	88
Kosovska Mitrovica	5-19	15	7	116	138
	20-99	2		5	7
	100+			1	1
Kosovska Mitrovica Total		17	7	122	146
Pec	5-19	37	11	138	186
	20-99	6		8	14
	100+	1	1		2
Pec Total		44	12	146	202
Pristina	5-19	111	65	546	722
	20-99	17	13	57	87
	100+	3	1	12	16
Pristina Total		131	79	615	825
Prizren	5-19	42	7	95	144
	20-99	8	2	12	22
	100+	1			1
Prizren Total		51	9	107	167
Urosevac	5-19	23	4	64	91
	20-99	4	1	5	10
	100+	5		1	6
Urosevac Total		32	5	70	107
Grand Total		357	136	1290	1783

Source: Association for Business Registration (ARBK)

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Dakovica	5-19	26	15	13	54
	20-99	4		6	10
	100+	1		1	2
Dakovica Total		31	15	20	66
Gnjilane	5-19	4	2	2	8
	20-99			1	1
	100+	1			1
Gnjilane Total		5	2	3	10
Kosovska Mitrovica	5-19	11	2	13	26
	20-99			3	3
	100+				0
Kosovska Mitrovica Total		11	2	16	29
Pec	5-19	14	5	7	26
	20-99	2		2	4
	100+				0
Pec Total		16	5	9	30
Pristina	5-19	15	21	20	56
	20-99	5	2	19	26
	100+			2	2
Pristina Total		20	23	41	84
Prizren	5-19	11	4	5	20
	20-99	5	2	8	15
	100+				0
Prizren Total		16	6	13	35
Urosevac	5-19	5	3	3	11
	20-99	4		1	5
	100+				0
Urosevac Total		9	3	4	16
Grand Total		108	56	106	270

A.14.2. Status codes

TOTAL

Complete interviews (Total)	270
Incomplete interviews	1
Elegible in process	9
Refusals	16
Out of target	41
Impossible to contact	52
Ineligible - coop.	20
Refusal to the Screener	5
Total	414

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	295
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	1
	6. The firm discontinued businesses	30
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	10
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	0
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	52
	13. Refuses to answer the screener	5
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	16
	151. Out of target - outside the covered regions, firm moved abroad	20
	152. Out of target - firm moved abroad	0
Total	430	

A.14.3. Cell weights and universe estimates

Individual cell weights (strict)

		Sector		
Region	Employees	Manufacturing	52	Residual
Dakovica	5-19	2	1	11
	20-99	2		1
	100+	1		1
Gnjilane	5-19	3	3	14
	20-99			4
	100+	1		
Kosovska Mitrovica	5-19	5	7	19
	20-99			2
	100+			
Pec	5-19	1	1	12
	20-99	1		2
	100+			
Pristina	5-19	5	3	30
	20-99	3	5	1
	100+			1
Prizren	5-19	4	1	32
	20-99	1	1	1
	100+			
Urosevac	5-19	2	1	15
	20-99	1		1
	100+			

Individual cell weights (median)

		Sector		
Region	Employees	Manufacturing	52	Residual
Dakovica	5-19	2	1	11
	20-99	2		1
	100+	2		1
Gnjilane	5-19	3	3	14
	20-99			4
	100+	1		
Kosovska Mitrovica	5-19	5	7	19
	20-99			2
	100+			
Pec	5-19	1	1	12
	20-99	1		2
	100+			
Pristina	5-19	5	3	30
	20-99	3	6	1
	100+			2
Prizren	5-19	4	1	32
	20-99	1	1	1
	100+			
Urosevac	5-19	2	1	16
	20-99	1		1
	100+			

Individual cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
Dakovica	5-19	2	1	11
	20-99	2		1
	100+	2		1
Gnjilane	5-19	3	3	15
	20-99			4
	100+	1		
Kosovska Mitrovica	5-19	5	7	19
	20-99			2
	100+			
Pec	5-19	3	2	28
	20-99	3		4
	100+			
Pristina	5-19	6	3	36
	20-99	4	6	2
	100+			3
Prizren	5-19	4	1	32
	20-99	1	1	1
	100+			
Urosevac	5-19	3	1	16
	20-99	1		1
	100+			

Kosovo under UNSCR 1244 universe estimates

Strict individual cell weights	Median individual cell weights	Weak individual cell weights
1439	1448	1692

A.14.4. Survey and item non-response

The number of contacted establishments per realized interview was 1.59. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (1.59) suggests that the main source of error in estimates in the Kosovo under UNSCR 1244 may be selection bias and not frame inaccuracy.

A.14.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: Strategic Puls Research Location: Kosovo under UNSCR 1244 Membership of international organisation: N/A Activities since: 2006
Name of Project Manager	
Name and position of other key persons of the project	
Enumerators involved	Enumerators: 17 Recruiters: 6
Other staff involved	Fieldwork Coordinators: 3 Editing: 2 Data Entry: 3 Data Processing: 2

Sample Frame

Characteristic of sample frame used	
Source	Association for Business Registration (ARBK - http://www.arbk.org)
Year of publication	2008, 2009
Comments on the quality of the sample frame	The sample frame was outdated. There was a great amount of nonexistent businesses. The telephone numbers were not available in the frame and most addresses weren't available either and/or were incorrect.
Year and organisation that conducted the last economic census	N/A

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: None On regions: Some businesses were not categorized properly in their regions. Some Serbian areas were excluded due to security issues in those areas; however this issue did not affect the overall sample regional representativeness.
Comments on the response rate	The response rate was hindered mainly because of sensitive inquiries in the questionnaire (financial questions, corruption issues), and/or the length of the questionnaire.
Comments on the sample design	None.
Other comments	There were a lot of problems when interviewing in the municipality of Mitrovica. An armed conflict started during the survey period, forcing fieldwork to stop due to security issues.

Fieldwork

Date of fieldwork	October 2008 – February 2009
Country	Kosovo under UNSCR 1244
Number of interviews	Manufacturing: 98 Services (sector 52): 63 Core: 109
Problems found during fieldwork	High reluctance to disclose financial information. The fieldwork was implemented during the end of the year coinciding with the time when inspections are done.
Other observations	None.

Questionnaires

Problems for the understanding of questions (write question number)	A lot of confusion was caused with the questions regarding the fiscal years (d2, n2, n3, i1, i2). Often respondents misunderstood which year the question referred to.
Problems found in the navigability of questionnaires (for example, skip patterns)	No problems here
Comments on questionnaire length	Quite a few respondents felt frustrated by the length of the interview.
Suggestions or other comments on the questionnaires	Questions regarding fiscal years could possibly be worded more elegantly to avoid misinterpretation.

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	None.
Comments on the data cleaning	No comments.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	Since Kosovo under UNSCR 1244 declared its independence in February 2008, the local government has been unstable and it has also been accused of corruption. There is a lack of rule of law, which resulted in increased contraband with the neighboring countries. The fieldwork was conducted at the same time when the government inspections are held, at the end of the year.
Relevant country events that occurred during fieldwork	Numerous armed conflicts in the region (Mitrovica) heavily populated by the Serb minority.
Other aspects	None.

A.15 Kyrgyz Republic

A.15.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The second sample frame used for the survey was a file of establishments purchased from the Statistical Office of the Kyrgyz Republic. A copy of that frame was sent to the TNS statistical team in London to select the establishments for interview.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 65% (1205 out of 1865 establishments).

Regional stratification was defined in five regions. These regions are Bishkek City, Chui Oblast, Issyk-Kul Oblast, Jalalabad, and Osh Oblast.

Official regions	Grouping used for stratification purposes in BEEPS IV (municipalities in brackets)
Bishkek city	Bishkek
Chui oblast	Chui oblast
Jalalabad oblast	Jalalabad oblast
Osh oblast	Osh oblast
Issyk – Kul oblast	Issyk – Kul oblast
Batken Oblasty	Not covered
Naryn Oblasty	Not covered
Talas Oblasty	Not covered

Sectors included in the sample:

Original sectors	Manufacturing: 15 - 37 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) sectors	None

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Chui oblast	5-19	161	27	170	358
	20-99	69	5	83	157
	100+	45		19	64
Chui oblast Total		275	32	272	579
Osh oblast	5-19	43	9	30	82
	20-99	16	5	27	48
	100+	5		3	8
Osh oblast Total		64	14	60	138
Jalalabad oblast	5-19	74	19	74	167
	20-99	29	5	58	92
	100+	17		7	24
Jalalabad oblast Total		120	24	139	283
Issyk-Kul oblast	5-19	67	15	131	213
	20-99	32	3	74	109
	100+	5		11	16
Issyk-Kul oblast Total		104	18	216	338
Bishkek city	5-19	289	99	726	1114
	20-99	149	32	191	372
	100+	47	3	58	108
Bishkek city Total		485	134	975	1594
Grand Total		1048	222	1662	2932

Source: Statistical Office of the Kyrgyz Republic

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Services	Grand Total
Chui Oblast	<5		1	1	2
	5-19	1	4	6	11
	20-99	2	3	1	6
	100+	5		3	8
Chui Oblast Total		8	8	11	27
Osh Oblast	<5	1			1
	5-19		3	2	5
	20-99	6	2	7	15
	100+	2		2	4
Osh Oblast Total		9	5	11	25
Jalalabad	<5		3	3	6
	5-19	1	1	4	6
	20-99	1		4	5
	100+	5		3	8
Jalalabad Total		7	4	14	25
Issyk-Kul Oblast	<5		1	1	2
	5-19	5	2	2	9
	20-99	4		2	6
	100+	2		2	4
Issyk-Kul Oblast Total		11	3	7	21
Bishkek city	<5	1	1	1	3
	5-19	1	3	7	11
	20-99	6	1	9	16
	100+	8		4	12
Bishkek city Total		16	5	21	42
Grand Total		51	25	64	140

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Chui oblast	5-19	19	15	27	61
	20-99	24	3	23	50
	100+	6	0	7	13
Chui oblast Total		49	18	57	124
Osh oblast	5-19	10	1	6	17
	20-99	13	2	12	27
	100+	5	0	0	5
Osh oblast Total		28	3	18	49
Jalalabad oblast	5-19	6	3	5	14
	20-99	7	0	10	17
	100+	0	0	2	2
Jalalabad oblast Total		13	3	17	33
Issyk-Kul oblast	5-19	5	10	5	20
	20-99	7	2	7	14
	100+	8	0	2	10
Issyk-Kul oblast Total		20	12	14	46
Bishkek city	5-19	3	7	3	13
	20-99	5	3	10	18
	100+	2	0	1	3
Bishkek city Total		10	10	14	34
Grand Total		120	46	120	286

A.15.2. Status codes

TOTAL

Complete interviews (Total)	235
Incomplete interviews	0
Elegible in process	0
Refusals	0
Out of target	472
Impossible to contact	724
Ineligible - coop.	9
Refusal to the Screener	425
Total	1865

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	235
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	39
	6. The firm discontinued businesses	214
	7. Not a business: private household	67
	8. Ineligible activity: education, agriculture, finances, governments...	152
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	244
	92. Line out of order	31
	93. No tone	54
	10. Answering machine	2
	11. Fax line - data line	25
	12. Wrong address/ moved away and could not get the new references	268
	13. Refuses to answer the screener	425
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	1
	151. Out of target - outside the covered regions, firm moved abroad	8
	152. Out of target - firm moved abroad	1
Total	1866	

PANEL

Complete interviews (Total)	71
Incomplete interviews	0
Elegible in process	0
Refusals	0
Out of target	17
Impossible to contact	15
Ineligible - coop.	0
Refusal to the Screener	35
Total	138

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	71
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	11
	7. Not a business: private household	1
	8. Ineligible activity: education, agriculture, finances, governments...	5
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	4
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	1
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	10
	13. Refuses to answer the screener	35
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
Total	138	

FRESH

Complete interviews (Total)	164
Incomplete interviews	0
Elegible in process	0
Refusals	0
Out of target	455
Impossible to contact	709
Ineligible - coop.	9
Refusal to the Screener	390
Total	1727

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	164
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	39
	6. The firm discontinued businesses	203
	7. Not a business: private household	66
	8. Ineligible activity: education, agriculture, finances, governments...	147
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	240
	92. Line out of order	31
	93. No tone	54
	10. Answering machine	1
	11. Fax line - data line	25
	12. Wrong address/ moved away and could not get the new references	358
	13. Refuses to answer the screener	390
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	1
151. Out of target - outside the covered regions, firm moved abroad	8	
152. Out of target - firm moved abroad	1	
Total	1728	

A.15.3. Cell weights and universe estimates

Individual cell weights (strict)

		Sector		
Region	Employees	Manufacturing	52	Residual
Chui oblast	5-19	5	1	2
	20-99	3		1
	100+	1		
Osh oblast	5-19	7	1	2
	20-99	1	3	1
	100+	1		1
Jalalabad oblast	5-19	3	1	3
	20-99	1	1	3
	100+	1		2
Issyk-Kul oblast	5-19	2	2	4
	20-99	1		3
	100+	1		1
Bishkek city	5-19	2	1	3
	20-99	1	2	1
	100+	1		1

Individual cell weights (median)

		Sector		
Region	Employees	Manufacturing	52	Residual
Chui oblast	5-19	29	4	12
	20-99	16		8
	100+	3		
Osh oblast	5-19	8	1	2
	20-99	1	4	2
	100+	1		1
Jalalabad oblast	5-19	3	1	4
	20-99	1	2	3
	100+	1		2
Issyk-Kul oblast	5-19	5	4	10
	20-99	2		9
	100+	3		4
Bishkek city	5-19	7	3	13
	20-99	3	8	3
	100+	3		4

Individual cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
Chui oblast	5-19	127	11	45
	20-99	60		24
	100+	11		
Osh oblast	5-19	19	2	4
	20-99	3	5	3
	100+	3		2
Jalalabad oblast	5-19	7	2	8
	20-99	3	2	6
	100+	2		3
Issyk-Kul oblast	5-19	9	5	15
	20-99	3		12
	100+	4		5
Bishkek city	5-19	15	4	25
	20-99	6	11	6
	100+	5		6

Kyrgyz Republic universe estimates

Strict individual cell weights	Median individual cell weights	Weak individual cell weights
390	1035	2139

A.15.4. Survey and item non-response

The number of contacted establishments per realized interview was 7.94. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units.

A.15.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: Center for Public Opinion Study «El-Pikir» Country: Kyrgyz Republic Membership of international organisation: No Activities since: 1999
Name of Project Manager	Ilibezova Elvira Kojomberdievna
Name and position of other key persons of the project	Coordinator
Enumerators involved	Enumerators: 31 Recruiters: 10 Only 5 interviewers also did part of the recruitment
Other staff involved	Fieldwork Coordinators: 1 Editing: 1 Data Entry: 1, mainly done by GORBI co-coordination centre in Georgia.

Sample Frame

Characteristic of sample frame used	N/A
Source	Statistical Office of the Kyrgyz Republic
Year of publication	2008
Comments on the quality of the sample frame	The quality of the sample was not good. There were too many wrong addresses and telephone numbers.
Year and organisation that conducted the last economic census	Statistical Office of the Kyrgyz Republic
Other sources for companies statistics	None

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: None On regions: None
Comments on the response rate	The refusal rate was particularly high in Bishkek city, Chui oblast and Issik kul regions.
Comments on the sample design	No special comments

Fieldwork

Date of fieldwork	September 2008 - March 2009
Country	Kyrgyz Republic
Number of interviews	Manufacturing: 92 Services (sector 52): 82 Core: 61
Problems found during fieldwork	Wrong addresses, refusals and distrust from the target respondents on who was conducting the survey and what the results would be used for.
Other observations	No.

Questionnaires

Problems for the understanding of questions (write question number)	No.
Problems found in the navigability of questionnaires (for example, skip patterns)	No.
Comments on questionnaire length	No.
Suggestions or other comments on the questionnaires	No.

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	None.
Comments on the data cleaning	We just made call backs to the establishments based on the Data Validation Reports (DVRs) prepared by TNS.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	In comparison with last year and two years ago the situation in the country changed to the worst. In the country there are electricity outages which last between 12pm and 4pm every day. This has affected businesses to a large extent. It also had a negative influence on the response rate.
Relevant country events that occurred during fieldwork	Daily electricity outages
Other aspects	None.

A.16 Latvia

A.16.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The source of the second sample frame was the January 2008 version of the Business Register of the Central Statistical Bureau of Latvia.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These

problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 26.32% (195 out of 741 establishments).

Regional stratification was defined in 6 regions. These regions are Riga, Pieriga, Vidzeme, Kurzeme, Zemgale, and Latgale (NUTS-3).

Sectors included in the sample:

Original sectors	Manufacturing: 15 - 37 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) sectors	None

Fresh sample frame

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Riga	5-19	1010	1604	4780	7394
	20-99	415	316	1447	2178
	100+	117	70	205	392
Riga Total		1542	1990	6432	9964
Pieriga	5-19	423	506	1034	1963
	20-99	192	69	256	517
	100+	50	14	32	96
Pieriga Total		665	589	1322	2576
Vidzeme	5-19	219	294	539	1052
	20-99	147	79	128	354
	100+	27	7	15	49
Vidzeme Total		393	380	682	1455
Kurzeme	5-19	266	420	705	1391
	20-99	172	63	236	471
	100+	39	6	35	80
Kurzeme Total		477	489	976	1942
Zemgale	5-19	190	335	541	1066
	20-99	110	70	150	330
	100+	39	12	14	65
Zemgale Total		339	417	705	1461
Latgale	5-19	234	444	549	1227
	20-99	125	72	177	374
	100+	33	8	20	61
Latgale Total		392	524	746	1662
Grand Total		3808	4389	10863	19060

Source: Central Statistical Bureau of Latvia – Business Register, January 2008

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Riga	1-4	2	14	11	27
	5-19	7	10	10	27
	20-99	2	3	8	13
	100+	4		7	11
Riga Total		15	27	36	78
Pieriga	1-4			4	4
	5-19		1	3	4
	20-99			1	1
	100+	1			1
Pieriga Total		1	1	8	10
Vidzeme	1-4	1	2		3
	5-19		2	2	4
	20-99	2			2
	100+		2	1	3
Vidzeme Total		3	6	3	12
Kurzeme	1-4		3	4	7
	5-19		1	1	2
	20-99	1			1
	100+	2	2	1	5
Kurzeme Total		3	6	6	15
Zemgale	1-4		3	2	5
	5-19	2		2	4
	20-99		1	1	2
	100+	2		1	3
Zemgale Total		4	4	6	14
Latgale	1-4		2		2
	5-19	1	1	3	5
	20-99			2	2
	100+				
Latgale Total		1	3	5	9
Grand Total		27	47	64	138

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Riga	5-19	13	13	17	43
	20-99	11	14	18	43
	100+	11	18	19	48
Riga Total		35	45	54	134
Pieriga	5-19	5	4	4	13
	20-99	5	3	3	11
	100+	5	4	3	12
Pieriga Total		15	11	10	36
Vidzeme	5-19	3	2	2	7
	20-99	4	4	2	10
	100+	3	2	2	7
Vidzeme Total		10	8	6	24
Kurzeme	5-19	3	4	3	10
	20-99	4	3	3	10
	100+	4	1	3	8
Kurzeme Total		11	8	9	28
Zemgale	5-19	3	3	2	8
	20-99	3	3	2	8
	100+	4	3	1	8
Zemgale Total		10	9	5	24
Latgale	5-19	3	4	2	9
	20-99	3	3	2	8
	100+	3	2	2	7
Latgale Total		9	9	6	24
Grand Total		90	90	90	270

A.16.2. Status codes

TOTAL

Complete interviews (Total)	271
Incomplete interviews	1
Elegible in process	3
Refusals	1
Out of target	54
Impossible to contact	115
Ineligible - coop.	26
Refusal to the Screener	266
Total	737

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	266
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	3
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	1
	16. Panel firm - now less than five employees	6
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	47
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	7
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	93
	92. Line out of order	5
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	2
	12. Wrong address/ moved away and could not get the new references	16
	13. Refuses to answer the screener	266
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	4
	151. Out of target - outside the covered regions, firm moved abroad	9
	152. Out of target - firm moved abroad	17
Total	741	

PANEL

Complete interviews (Total)	57
Incomplete interviews	0
Elegible in process	0
Refusals	0
Out of target	17
Impossible to contact	16
Ineligible - coop.	2
Refusal to the Screener	29
Total	121

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	49
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	1
	16. Panel firm - now less than five employees	6
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	15
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	2
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	10
	92. Line out of order	1
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	1
	12. Wrong address/ moved away and could not get the new references	4
	13. Refuses to answer the screener	29
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	1
	152. Out of target - firm moved abroad	1
Total	121	

FRESH

Complete interviews (Total)	214
Incomplete interviews	1
Elegible in process	3
Refusals	1
Out of target	37
Impossible to contact	99
Ineligible - coop.	24
Refusal to the Screener	237
Total	616

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	217
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	2
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	32
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	5
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	83
	92. Line out of order	4
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	1
	12. Wrong address/ moved away and could not get the new references	11
	13. Refuses to answer the screener	237
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	4
151. Out of target - outside the covered regions, firm moved abroad	8	
152. Out of target - firm moved abroad	16	
Total	620	

A.16.3. Cell weights and universe estimates

Collapsed cell weights (strict)

		Sector		
Region	Employees	Manufacturing	52	Residual
Riga	5-19	24	59	81
	20-99	13	9	30
	100+	3	2	4
Pieriga	5-19	38	59	81
	20-99	36	9	36
	100+	4	2	6
Vidzeme	5-19	35	54	117
	20-99	15	6	25
	100+	6	2	3
Kurzeme	5-19	42	36	54
	20-99	17	9	45
	100+	3	1	7
Zemgale	5-19	17	50	47
	20-99	18	13	49
	100+	5	2	2
Latgale	5-19	20	54	117
	20-99	27	11	37
	100+	7	4	3

Collapsed cell weights (median)

		Sector		
Region	Employees	Manufacturing	52	Residual
Riga	5-19	45	101	158
	20-99	26	17	65
	100+	7	4	11
Pieriga	5-19	54	101	158
	20-99	54	12	57
	100+	7	3	11
Vidzeme	5-19	66	91	224
	20-99	29	11	54
	100+	12	3	7
Kurzeme	5-19	76	64	108
	20-99	33	17	96
	100+	7	3	16
Zemgale	5-19	35	100	108
	20-99	41	28	119
	100+	11	4	6
Latgale	5-19	32	91	224
	20-99	46	19	69
	100+	14	7	6

Collapsed cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
Riga	5-19	66	140	223
	20-99	33	20	79
	100+	8	4	11
Pieriga	5-19	73	140	223
	20-99	61	13	63
	100+	7	3	11
Vidzeme	5-19	88	125	313
	20-99	33	12	59
	100+	13	3	7
Kurzeme	5-19	106	85	146
	20-99	38	19	108
	100+	7	3	17
Zemgale	5-19	51	138	152
	20-99	49	32	140
	100+	12	4	7
Latgale	5-19	50	125	313
	20-99	60	23	87
	100+	16	8	7

Latvia universe estimates

Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
6689	12727	16894

A.16.4. Survey and item non-response

The number of contacted establishments per realized interview was 2.72. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (2.72) suggests that the main source of error in estimates in the Latvia may be selection bias and not frame inaccuracy.

A.16.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: TNS Latvia Country: Latvia Membership of international organization: ESOMAR Activities since: 2004
Name of Project Manager	
Name and position of other key persons of the project	
Enumerators involved	Enumerators: 37 Recruiters: All enumerators did the recruitment
Other staff involved	Fieldwork Coordinators: 1 Editing: 2 Data Entry: 1 Data Processing: 1

Sample Frame

Characteristic of sample frame used	Business register of Central Statistical Bureau of Latvia, which contains information about establishments. This Business register is active and regularly updated.
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Source	Central Statistical Bureau of Latvia.
Year of publication	January 2008
Comments on the quality of the sample frame	The Business register from the Central statistical Bureau is regularly updated (by quarterly bases). The information is available and reliable.
Year and organisation that conducted the last economic census	Central Statistical Bureau of Latvia.

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: None On regions: None On Employee size: Due to the global and local crisis situation, many establishments had experienced a decrease of employees. This meant that some enterprises originally classified as large companies moved from the bigger level of size to the smaller one.
Comments on the response rate	None.
Comments on the sample design	The sample frame was ordered to the Business register following TNS opinion's instructions. For future waves of the BEEPS, getting the sample should be done more efficiently, perhaps having all information, provided at once during the first stages of the survey implementation in the country and not in different batches.

Fieldwork

Date of fieldwork	September – December 2008
Country	Latvia
Number of interviews	Manufacturing: 89 Services (sector 52): 111 Core: 71
Problems found during fieldwork	The selected sample was widely dispersed, forcing interviewers to travel long distances between one preference and its replacements. This made the transportation and other related fieldwork costs higher than originally expected.
Other observations	None.

Questionnaires

Problems for the understanding of questions (write question number)	<ul style="list-style-type: none"> - Understanding the concept of the typical month or week was difficult. We suggest putting the explanation in the questionnaire, so the respondent can read it as well, not only in the manual for the interviewers or to use an easier definition. - The hardest points of the questionnaire were hard data questions. Also, in some questions the respondents were asked to estimate in days, in a typical week, in a typical month or during the last fiscal year in total. Our suggestion is to use more universal time period for the counting of times in all cases where it is possible. - We suggest putting in the questionnaire more definitions, so the respondents see them. This will help to better to understand the question and to get more precise and homogeneous answers.
Problems found in the navigability of questionnaires (for example, skip patterns)	The question numbering in case of being paper interview is not a good solution. It is hard sometimes to find the question, after a skip pattern for example, as there is no specific rule for numbering the questions.
Comments on questionnaire length	The interview length is more than one hour, which for the target group - the highest level of the enterprise management- is too long.
Suggestions or other comments on the questionnaires	None

Database

Data entry program chosen	PERTS
Comments on the data entry program	This was not a user friendly program. Receiving updates of the program made things more difficult.
Comments on the data cleaning	None.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	The survey was conducted when the global financial crisis was starting in the country, which could have impact on the survey results, but only marginally.
Relevant country events that occurred during fieldwork	None.
Other aspects	None.

A.17 Lithuania

A.17.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The source of the second sample frame was Creditreform Lietuva - 2008- Organization database.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 25.1% (446 out of 1777 establishments).

Regional stratification was defined in 4 regions. These regions are Coast and West, North East, South West and Vilnius. Table below shows the grouping of NUTS-3 regions into these four regions.

NUTS-3 regions	Grouping used for stratification purposes in BEEPS IV (municipalities in brackets)
Vilnius	Vilnius
Klaipėdos	Coast+West
Tauragės	
Telsiai	
Panevėžys	North-East
Siauliai	
Utenos	
Alytus	South-West
Kauno	
Marijampolės	

Sectors included in the sample:

Original sectors	Manufacturing: 15 - 37 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) sectors	None

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Vilniaus	5-19	844	918	3696	5458
	20-99	464	209	1300	1973
	100+	122	48	217	387
Vilniaus Total		1430	1175	5213	7818
Coast & West	5-19	493	779	1815	3087
	20-99	309	120	638	1067
	100+	77	13	92	182
Coast & West Total		879	912	2545	4336
North East	5-19	565	690	1496	2751
	20-99	374	127	632	1133
	100+	101	17	84	202
North East Total		1040	834	2212	4086
South West	5-19	785	998	2831	4614
	20-99	515	169	1019	1703
	100+	189	35	141	365
South West Total		1489	1202	3991	6682
Grand Total		4838	4123	13961	22922

Source: Creditreform Lietuva database

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Vilniaus	5-19	4	4	15	23
	20-99	4	2	9	15
	100+	2	1	8	11
Vilniaus Total		10	7	32	49
Coast & West	5-19	1	1	4	6
	20-99	0	1	1	2
	100+	1	0	2	3
Coast & West Total		2	2	7	11
North East	5-19	3	1	4	8
	20-99	2	3	4	9
	100+	1	0	3	4
North East Total		6	4	11	21
South West	5-19	3	0	5	8
	20-99	4	4	2	10
	100+	4	1	5	10
South West Total		11	5	12	28
Grand Total		29	18	62	109

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Vilniaus	5-19	9	10	11	30
	20-99	8	10	9	27
	100+	9	9	9	27
Vilniaus Total		26	29	29	84
Coast & West	5-19	7	8	8	23
	20-99	6	7	5	18
	100+	6	2	6	14
Coast & West Total		19	17	19	55
North East	5-19	7	7	7	21
	20-99	6	7	5	18
	100+	7	3	6	16
North East Total		20	17	18	55
South West	5-19	7	10	9	26
	20-99	8	10	8	26
	100+	10	7	7	24
South West Total		25	27	24	76
Grand Total		90	90	90	270

A.17.2. Status codes

TOTAL

Complete interviews (Total)	276
Incomplete interviews	1
Elegible in process	18
Refusals	169
Out of target	83
Impossible to contact	363
Ineligible - coop.	0
Refusal to the Screener	474
Total	1657

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	391
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	4
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	69
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	27
	6. The firm discontinued businesses	32
	7. Not a business: private household	10
	8. Ineligible activity: education, agriculture, finances, governments...	14
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	201
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	31
	11. Fax line - data line	19
	12. Wrong address/ moved away and could not get the new references	112
	13. Refuses to answer the screener	747
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	120
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
Total	1777	

PANEL

Complete interviews (Total)	45
Incomplete interviews	0
Elegible in process	0
Refusals	9
Out of target	9
Impossible to contact	20
Ineligible - coop.	0
Refusal to the Screener	42
Total	125

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	46
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	3
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	5
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	2
	7. Not a business: private household	1
	8. Ineligible activity: education, agriculture, finances, governments...	6
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	11
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	6
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	3
	13. Refuses to answer the screener	42
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	10
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
Total	135	

FRESH

Complete interviews (Total)	231
Incomplete interviews	1
Elegible in process	18
Refusals	160
Out of target	74
Impossible to contact	343
Ineligible - coop.	0
Refusal to the Screener	705
Total	1532

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	345
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	64
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	27
	6. The firm discontinued businesses	30
	7. Not a business: private household	9
	8. Ineligible activity: education, agriculture, finances, governments...	8
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	190
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	25
	11. Fax line - data line	19
	12. Wrong address/ moved away and could not get the new references	109
	13. Refuses to answer the screener	705
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	110
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	1642

A.17.3. Cell weights and universe estimates

Individual cell weights (strict)

Region	Employees	Sector		
		Manufacturing	52	Residual
Vilniaus	5-19	33	24	97
	20-99	15	7	42
	100+	3	4	7
Coast & West	5-19	19	20	33
	20-99	10	5	21
	100+	2	1	3
North East	5-19	17	24	63
	20-99	20	5	59
	100+	5		3
South West	5-19	24	36	83
	20-99	22	7	44
	100+	5	5	7

Individual cell weights (median)

		Sector		
Region	Employees	Manufacturing	52	Residual
Vilniaus	5-19	78	62	260
	20-99	39	18	121
	100+	8	10	19
Coast & West	5-19	48	55	93
	20-99	28	16	63
	100+	7	1	8
North East	5-19	39	60	167
	20-99	50	15	166
	100+	13		9
South West	5-19	60	97	237
	20-99	60	19	134
	100+	15	15	21

Individual cell weights (weak)

		Sector		
Region	Employees	Manufacturing	52	Residual
Vilniaus	5-19	112	78	376
	20-99	51	21	160
	100+	11	12	26
Coast & West	5-19	64	65	126
	20-99	34	17	77
	100+	8	2	10
North East	5-19	52	70	226
	20-99	61	16	204
	100+	16		11
South West	5-19	80	115	321
	20-99	72	21	165
	100+	18	17	27

Lithuania universe estimates

Strict individual cell weights	Median individual cell weights	Weak individual cell weights
6050	16375	21357

A.17.4. Survey and item non-response

The number of contacted establishments per realized interview was 6.44. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (6.44) suggests that the main source of error in estimates in the Lithuania may be selection bias and not frame inaccuracy.

A.17.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: RAIT Ltd. Country: Lithuania Membership of international organization: ESOMAR, Factum group / MSPA ("Mystery Shopper" providers association) Activities since: 2002
Name of Project Manager	

Name and position of other key persons of the project	
Enumerators involved	Enumerators: 68 Recruiters: 10
Other staff involved	Fieldwork Coordinators: 3 Editing: 0 Data Entry: 3 Data Processing: 0

Sample Frame

Characteristic of sample frame used	The sample frame was bought from data bases supplier Creditreform Lietuva.
Source	"Creditreform Lietuva". Since 1993 this company works on credit reports (companies and persons credit limit evaluation and rating-scoring systems), debt collection, marketing information and on-line databases production areas.
Year of publication	2008
Comments on the quality of the sample frame	None
Year and organisation that conducted the last economic census	2001 (Last Population census), Department of Lithuanian Statistics

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: None On regions: None
Comments on the response rate	Low response rate due to difficult target group (managers), the interview length (~40-60 min.) and the methodology (face-to-face).
Comments on the sample design	None.
Other comments	The sample provided was too small for completing the total number of interviews requested in the sample design. The additional sample batches sent by TNS opinion to top up the original sample were helpful to finish the target. But if all the sample had been provided at the beginning of the fieldwork, the fieldwork could have finished earlier.

Fieldwork

Date of fieldwork	September 2008 - March 2009
Country	Lithuania
Number of interviews	Manufacturing: 97 Services (sector 52): 113 Core: 66
Problems found during fieldwork	Difficulties to persuade managers to participate in the survey –face-to-face and to provide “sensitive” information about the establishment such as the financial information.
Other observations	None

Questionnaires

Problems for the understanding of questions (write question number)	No problems found.
Problems found in the navigability of questionnaires (for example, skip patterns)	No problems here.
Comments on questionnaire length	The questionnaires are too long, even for a face-to-face interview.
Suggestions or other comments on the questionnaires	For future waves we recommend using CATI interviews. Also, that the interview length should not go beyond 30 minutes.

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	N/A
Comments on the data cleaning	None.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	Economic crisis. It started to be felt in the Lithuanian business sector in November 2008.
Relevant country events that occurred during fieldwork	None.
Other aspects	None.

A.18 Moldova

A.18.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The source of the second sample frame was the National Bureau of Statistics of the Republic of Moldova.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 30.8% (337 out of 1094 establishments).

Regional stratification was defined in 4 regions. These regions are North, Centre, South, and South East (Transnistria). Table below shows the grouping of municipalities and raions into these 4 regions.

Grouping used for stratification purposes in BEEPS IV (municipalities in brackets)
North (municipality Balti, raionuls Briceni, Donduseni, Drochia, Edinet, Falesti, Floresti, Glodeni, Rezina, Riscani, Singerei, Ocnita, Soroca, Soldanesti)
Center (municipality Chisinau, raionuls Anenii Noi, Causeni, Calarasi, Criuleni, Hincesti, Ialoveni, Leova, Nisporeni, Orhei, Straseni, Ungheni, Telenesti)
South (republica Gaugazia, municipality Comrat, raionuls Cahul, Cantemir, Cimislia, Taraclia)
South East – Transdnistria (municipality Bender, Tiraspol, raionuls Basarabasca, Dubasari, Stefan Voda)

Sectors included in the sample:

Original sectors	Manufacturing: 15 - 37 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) sectors	None

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
North	5-19	237	434	464	1135
	20-99	97	84	160	341
	100+	56	7	18	81
North Total		390	525	642	1557
Centre	5-19	1185	1267	3001	5453
	20-99	439	213	778	1430
	100+	160	33	154	347
Centre Total		1784	1513	3933	7230
South	5-19	119	162	202	483
	20-99	62	46	74	182
	100+	22	3	3	28
South Total		203	211	279	693
South East (Transnistria)	5-19	31	37	25	93
	20-99	10	4	11	25
	100+	4			4
South East (Transnistria) Total		45	41	36	122
Grand Total		2422	2290	4890	9602

Source: National Bureau of Statistics of the Republic of Moldova

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Services	Grand Total
North	<5	11	3	1	15
	5-19	21	12	9	42
	20-99	25	4	6	35
	100+	16	3	3	22
North Total		73	22	19	114
Centre	<5	3	5	3	11
	5-19	30	10	16	56
	20-99	46	5	5	56
	100+	29	7	4	40
Centre Total		108	27	28	163
South	<5	1			1
	5-19	1	5	2	8
	20-99	5	1	1	7
	100+	5		1	6
South Total		12	6	4	22
Grand Total		193	55	51	299

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
North	5-19	6	12	5	23
	20-99	6	12	6	24
	100+	9	3	4	16
North Total		21	27	15	63
Centre	5-19	25	28	29	82
	20-99	26	31	26	83
	100+	27	16	35	78
Centre Total		78	75	90	243
South	5-19	3	4	2	9
	20-99	4	8	3	15
	100+	4	1	4	6
South Total		11	13	6	30
South East (Transnistria)	5-19	5	5	5	15
	20-99	4		4	8
	100+	1			1
South East (Transnistria) Total		10	5	9	24
Grand Total		120	120	120	360

A.18.2. Status codes

TOTAL

Complete interviews (Total)	363
Incomplete interviews	12
Elegible in process	14
Refusals	72
Out of target	222
Impossible to contact	114
Ineligible - coop.	1
Refusal to the Screener	259
Total	1057

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	429
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	2
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	30
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	8
	6. The firm discontinued businesses	68
	7. Not a business: private household	39
	8. Ineligible activity: education, agriculture, finances, governments...	107
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	13
	92. Line out of order	1
	93. No tone	2
	10. Answering machine	1
	11. Fax line - data line	3
	12. Wrong address/ moved away and could not get the new references	94
	13. Refuses to answer the screener	259
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	37
	151. Out of target - outside the covered regions, firm moved abroad	1
	152. Out of target - firm moved abroad	0
Total	1094	

PANEL

Complete interviews (Total)	128
Incomplete interviews	6
Elegible in process	3
Refusals	26
Out of target	48
Impossible to contact	36
Ineligible - coop.	0
Refusal to the Screener	44
Total	291

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	139
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	23
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	34
	7. Not a business: private household	6
	8. Ineligible activity: education, agriculture, finances, governments...	8
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	0
	92. Line out of order	0
	93. No tone	1
	10. Answering machine	0
	11. Fax line - data line	1
	12. Wrong address/ moved away and could not get the new references	34
	13. Refuses to answer the screener	44
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	4
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	295

FRESH

Complete interviews (Total)	235
Incomplete interviews	6
Elegible in process	11
Refusals	46
Out of target	174
Impossible to contact	78
Ineligible - coop.	1
Refusal to the Screener	215
Total	766

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	290
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	7
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	8
	6. The firm discontinued businesses	34
	7. Not a business: private household	33
	8. Ineligible activity: education, agriculture, finances, governments...	99
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	13
	92. Line out of order	1
	93. No tone	1
	10. Answering machine	1
	11. Fax line - data line	2
	12. Wrong address/ moved away and could not get the new references	60
	13. Refuses to answer the screener	215
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	33
	151. Out of target - outside the covered regions, firm moved abroad	1
	152. Out of target - firm moved abroad	0
Total	799	

A.18.3. Cell weights and universe estimates

Individual cell weights (strict)

Region	Employees	Sector		
		Manufacturing	52	Residual
North	5-19	11	13	58
	20-99	4	4	8
	100+	4	1	3
Centre	5-19	26	17	41
	20-99	8	3	14
	100+	3	1	2
South	5-19	24	14	35
	20-99	6	3	7
	100+	3		2
South East (Transnistria)	5-19	3	3	2
	20-99	4		1
	100+			

Individual cell weights (median)

Region	Employees	Sector		
		Manufacturing	52	Residual
North	5-19	16	20	87
	20-99	5	5	12
	100+	6	2	6
Centre	5-19	39	26	67
	20-99	12	4	23
	100+	5	2	3
South	5-19	29	17	45
	20-99	8	4	9
	100+	4		2
South East (Transnistria)	5-19	4	4	3
	20-99	6		1
	100+			

Individual cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
North	5-19	21	24	112
	20-99	6	6	14
	100+	7	2	7
Centre	5-19	48	31	82
	20-99	14	5	26
	100+	6	2	4
South	5-19	32	19	51
	20-99	8	4	9
	100+	4		2
South East (Transnistria)	5-19	5	5	4
	20-99	8		2
	100+			

Moldova universe estimates

Strict individual cell weights	Median individual cell weights	Weak individual cell weights
4152	6449	7637

A.18.4. Survey and item non-response

The number of contacted establishments per realized interview was 3.01. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (3.01) suggests that the main source of error in estimates in the Moldova may be selection bias and not frame inaccuracy.

A.18.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: IMAS-INC SRL Country: Republic of Moldova Membership of international organization: ESOMAR Activities since: 2001
Name of Project Manager	
Name and position of other key persons of the project	

Enumerators involved	Enumerators: 53 Recruiters: 52 10 enumerators also did part of the recruitment
Other staff involved	Fieldwork Coordinators: Diana Chiricuta Editing: supervisors Data Entry: GORBI Data Processing: TNS

Sample Frame

Characteristic of sample frame used	N/A
Source	National Bureau of Statistics of the Republic of Moldova
Year of publication	N/A
Comments on the quality of the sample frame	Around 50% of the database had invalid or missing contact details. Many of the listed contacts belonged to ineligible organizations, private households, wrong address, non working telephone numbers, etc. Because of this, we were compelled to update the contact data from other sources.
Year and organisation that conducted the last economic census	2004 IMAS-INC SRL

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: None On regions: For some contacts the region or municipality was wrongly registered.
Comments on the response rate	In order to get an interview it was necessary to contact each establishment several times. More than 40% of the establishments we re-contacted for an interview after a first refusal.
Comments on the sample design	None.
Other comments	None.

Fieldwork

Date of fieldwork	September 2008 – February 2009
Country	Republic of Moldova
Number of interviews	Manufacturing: 110 Services (sector 52): 149 Core: 104
Problems found during fieldwork	- Invalid contact data. - Settled appointments were postponed several times before actually achieving an interview.
Other observations	None.

Questionnaires

Problems for the understanding of questions (write question number)	None.
Problems found in the navigability of questionnaires (for example, skip patterns)	No problems here.
Comments on questionnaire length	Respondents answering the manufacturing questionnaire complained that the questionnaire was too long.
Suggestions or other comments on the questionnaires	Respondents were concerned about disclosing financial data.

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	None.
Comments on the data cleaning	Data cleaning was done following the validation reports sent by TNS-opinion.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	<ul style="list-style-type: none"> - country in the transition towards a market economy - poverty, - migration, - corruption - fear of the authorities (economic, legal, political)
Relevant country events that occurred during fieldwork	The first effects of the economic crisis had started to be felt: negative effects on exports, in the sector of transport services, currency.
Other aspects	None.

A.19 Mongolia

A.19.1. Sampling structure and implementation

The source of the sample frame was the Mongolian National Statistical Office – Register of Establishments. No panel sample frame was available.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 38.90% (298 out of 766 establishments).

Regional stratification was defined in 5 regions. These regions are Central, West, Khangai, East, and Ulaanbaatar.

Regions	Grouping used for stratification purposes in BEEPS IV (aimags in brackets)
Central (incl. Ulaanbaatar)	Central (Gobisumber, Darkhan-Uul, Dornogobi, Dundgobi, Omnogobi, Selenge, Tov)
	Ulaanbaatar
East	East (Dornod, Sukhbaatar, Khentii)
Khangai	Khangai (Arkhangai, Bayankhongor, Bulgan, Orkhon, Ovorkhangai, Khuvsgul)
West	West (Bayan-Ulgii, Gobi-Altai, Zavkhan, Uvs, Khovd)

Sectors included in the sample:

Original sectors	Manufacturing: 15 - 37 Services: 52 Residual: 45, 50, 51, 55, 60, 72
Added (top up) sectors	None

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Central	5-19	86	106	201	393
	20-99	45	7	58	110
	100+	10	4	3	17
Central Total		141	117	262	520
West	5-19	57	70	116	243
	20-99	23	4	56	83
	100+	4		2	6
West Total		84	74	174	332
Khangai	5-19	97	72	169	338
	20-99	29	9	59	97
	100+	4		6	10
Khangai Total		130	81	234	445
East	5-19	24	33	50	107
	20-99	1	7	21	29
	100+	1			1
East Total		26	40	71	137
Ulaanbaatar	5-19	463	317	1285	2,065
	20-99	154	36	406	596
	100+	50	3	82	135
Ulaanbaatar Total		667	356	1773	2796
Grand Total		1048	668	2514	4230

Source: Mongolian National Statistics Office – Register of Establishments

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Central	5-19	7	15	7	29
	20-99	8	2	5	15
	100+	3	3	1	7
Central Total		18	20	13	51
West	5-19	4	13	5	22
	20-99	5	2	4	11
	100+	3	0	0	3
West Total		12	15	9	36
Khangai	5-19	7	12	8	27
	20-99	6	2	4	12
	100+	3	0	4	7
Khangai Total		16	14	16	46
East	5-19	4	7	6	17
	20-99	0	0	1	1
	100+	1	0	0	1
East Total		5	7	7	19
Ulaanbaatar	5-19	25	55	21	101
	20-99	22	8	26	56
	100+	22	1	28	51
Ulaanbaatar Total		69	64	75	208
Grand Total		120	120	120	360

A.19.2. Status codes

TOTAL

Complete interviews (Total)	362
Incomplete interviews	14
Elegible in process	7
Refusals	52
Out of target	179
Impossible to contact	114
Ineligible - coop.	5
Refusal to the Screener	27
Total	760

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	423
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	6
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	5
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	1
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	11
	6. The firm discontinued businesses	72
	7. Not a business: private household	57
	8. Ineligible activity: education, agriculture, finances, governments...	39
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	56
	92. Line out of order	7
	93. No tone	2
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	49
	13. Refuses to answer the screener	27
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	6
	151. Out of target - outside the covered regions, firm moved abroad	4
	152. Out of target - firm moved abroad	1
Total	766	

A.19.3. Cell weights and universe estimates

Collapsed cell weights (strict)

		Sector		
Region	Employees	Manufacturing	52	Residual
Central	5-19	6	3	30
	20-99	4	2	7
	100+	1	1	2
West	5-19	6	2	10
	20-99	2	2	10
	100+	1		1
Khangai	5-19	7	3	11
	20-99	4	3	9
	100+	1		1
East	5-19	3	2	4
	20-99			12
	100+	1		
Ulaanbaatar	5-19	11	3	30
	20-99	6	3	11
	100+	1	1	2

Collapsed cell weights (median)

		Sector		
Region	Employees	Manufacturing	52	Residual
Central	5-19	6	4	32
	20-99	4	2	8
	100+	1	1	2
West	5-19	7	3	11
	20-99	3	2	11
	100+	1		1
Khangai	5-19	8	3	12
	20-99	4	3	10
	100+	1		1
East	5-19	4	3	5
	20-99			15
	100+	1		
Ulaanbaatar	5-19	11	4	32
	20-99	6	3	12
	100+	1	1	2

Collapsed cell weights (weak)

		Sector		
Region	Employees	Manufacturing	52	Residual
Central	5-19	8	5	42
	20-99	5	3	9
	100+	1	1	2
West	5-19	8	4	15
	20-99	3	3	13
	100+	1		1
Khangai	5-19	9	4	14
	20-99	4	4	11
	100+	1		1
East	5-19	4	4	7
	20-99			19
	100+	1		
Ulaanbaatar	5-19	14	5	42
	20-99	7	4	14
	100+	1	1	2

Mongolia universe estimates

Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
2441	2583	3280

A.19.4. Survey and item non-response

The number of contacted establishments per realized interview was 2.12. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (2.12) suggests that the main source of error in estimates in the Mongolia may be selection bias and not frame inaccuracy.

A.19.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: Institute of Finance and Economics (IFE) Country: Mongolia Membership of international organization: No Activities since: March 2008
Name of Project Manager	
Name and position of other key persons of the project	
Enumerators involved	Enumerators: 23 Recruiters: 3
Other staff involved	Fieldwork Coordinators: 2 Editing: 1 Data Entry: 1; Data Processing: 1

Sample Frame

Characteristic of sample frame used	
Source	Mongolian National Statistical Office – Register of Establishments
Year of publication	2006-2008
Comments on the quality of the sample frame	The quality of the sample frame was adequate.
Year and organisation that conducted the last economic census	N/A

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: Across all sectors, establishments with 100 employees or more were most difficult to achieve due to limited sample. On regions: In all regions, except Ulaanbaatar, it was difficult to secure interviews with organizations with more than 100 or more employees. Some organizations which are registered in the provinces carried out their business activities in Ulaanbaatar which is the specific feature of Mongolia.
Comments on the response rate	We tried our best to reach the response rate of 100%.
Comments on the sample design	It was excellent.

Fieldwork

Date of fieldwork	November 2008 – February 2009
Country	Mongolia
Number of interviews	Manufacturing: 132 Services (sector 52): 86 Core: 144
Problems found during fieldwork	In some provinces we could not travel to remote villages because of the snow. To some interviewees the questions were too general and did not touch on the issue that concerns them most. Organizations with more than 100 employees tend to refuse to share financial data.
Other observations	There were a considerable number of interviewees interested in extending the interview. Questions on the lines of the following were frequently asked “How have you found out about our organization?” or “What concrete benefit will we get from this interview?”

Questionnaires

Problems for the understanding of questions (write question number)	For example, g30a.
Problems found in the navigability of questionnaires (for example, skip patterns)	There were some problems when navigating from g2 to g30a.
Comments on questionnaire length	It was normal.
Suggestions or other comments on the questionnaires	It would be more effective if the questions of the questionnaire were written more in the style of spoken language.

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	None.
Comments on the data cleaning	No comments.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	When asked about business activities of 2007, there was a tendency among interviewees to answer from the view of 2008. And, especially during the last month of the interview, the economic crisis could be felt in the answers given.
Relevant country events that occurred during fieldwork	No.
Other aspects	None.

A.20 Montenegro

A.20.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made

to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The source of the second sample frame was the Montenegro Statistical Office (MONSTAT) – Administrative Business Register.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 56% (340 out of 607 establishments).

Regional stratification was defined in 3 regions. These regions are Centre and South, Coast, and North. Table below shows the municipalities in each of these three regions.

Grouping used for stratification purposes in BEEPS IV (municipalities in brackets)
North: Plevlja, Plužine, Bijelo Polje, Žabljak, Šavnik, Mojkovac
Centre and South: Nikšić, Danilovgrad, Podgorica, Kolašin, Andrijevica, Plav, Berane, Rožaje, Cetinje
Coast: Herceg Novi, Kotor, Tivat, Budva, Bar, Ulcinj

Sectors included in the sample:

Original sectors	Manufacturing: 15 - 37 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) sectors	None

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Centre and South	5-19	221	253	766	1240
	20-99	69	45	168	282
	100+	39	5	34	78
Centre and South Total		329	303	968	1600
Coast	5-19	71	214	491	776
	20-99	21	23	76	120
	100+	6	4	20	30
Coast Total		98	241	587	926
North	5-19	44	55	115	214
	20-99	31	5	20	56
	100+	10		6	16
North Total		85	60	141	286
Grand Total		512	604	1696	2812

Source: Montenegro Statistical Office (MONSTAT) – Administrative Business Register

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Centre & South	<5	1	1	2	4
	5-19		1	3	4
	20-99		1		1
	100+	2		1	3
Centre & South Total		3	3	6	12
Grand Total		3	3	6	12

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Centre and South	5-19	9	13	10	32
	20-99	9	9	11	29
	100+	8	0	3	11
Centre and South Total		26	22	24	72
Coast	5-19	4	11	5	20
	20-99	3	3	4	10
	100+	0	1	4	5
Coast Total		7	15	13	35
North	5-19	2	3	1	6
	20-99	4	0	1	5
	100+	1	0	1	2
North Total		7	3	3	13
Grand Total		40	40	40	120

A.20.2. Status codes

TOTAL

Complete interviews (Total)	120
Incomplete interviews	5
Elegible in process	5
Refusals	27
Out of target	53
Impossible to contact	287
Ineligible - coop.	0
Refusal to the Screener	67
Total	564

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	157
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	38
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	15
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	1
	92. Line out of order	1
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	285
	13. Refuses to answer the screener	67
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	43
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
Total	607	

PANEL

Complete interviews (Total)	5
Incomplete interviews	0
Elegible in process	0
Refusals	0
Out of target	0
Impossible to contact	2
Ineligible - coop.	0
Refusal to the Screener	2
Total	9

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	5
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	0
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	0
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	1
	92. Line out of order	1
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	0
	13. Refuses to answer the screener	2
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	3
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	12

FRESH

Complete interviews (Total)	111
Incomplete interviews	9
Elegible in process	5
Refusals	27
Out of target	53
Impossible to contact	285
Ineligible - coop.	0
Refusal to the Screener	65
Total	555

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	152
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	38
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	15
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	0
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	285
	13. Refuses to answer the screener	65
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	40
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	595

A.20.3. Cell weights and universe estimates

Individual cell weights (strict)

Region	Employees	Sector		
		Manufacturing	52	Residual
Centre and South	5-19	7	8	21
	20-99	3	2	4
	100+	1		2
Coast	5-19	3	6	37
	20-99	2	2	5
	100+	1	1	2
North	5-19	5	5	28
	20-99	2		5
	100+	2		1

Individual cell weights (median)

		Sector		
Region	Employees	Manufacturing	52	Residual
Centre and South	5-19	9	11	32
	20-99	4	2	6
	100+	2		3
Coast	5-19	4	8	56
	20-99	3	3	8
	100+	2	1	4
North	5-19	7	7	46
	20-99	3		9
	100+	3		2

Individual cell weights (weak)

		Sector		
Region	Employees	Manufacturing	52	Residual
Centre and South	5-19	26	25	70
	20-99	10	4	11
	100+	4		6
Coast	5-19	12	16	123
	20-99	7	6	15
	100+	5	3	7
North	5-19	18	16	91
	20-99	6		15
	100+	6		4

Montenegro universe estimates

Strict individual cell weights	Median individual cell weights	Weak individual cell weights
809	1170	2608

A.20.4. Survey and item non-response

The number of contacted establishments per realized interview was 5.06. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (5.06) suggests that the main source of error in estimates in the Montenegro may be selection bias and not frame inaccuracy.

A.20.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: Strategic Marketing Country: Montenegro Membership of international organisation: None Activities since: 2005
Name of Project Manager	
Name and position of other key persons of the project	
Enumerators involved	Enumerators: 23 Recruiters: 1 Enumerators did not do any recruitment

Other staff involved	Fieldwork Coordinators: 3 Editing: 1 Data Entry: 7 Data Processing: 2 Note: Editing, data entry and data processing were conducted in Serbia .
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Sample Frame

Characteristic of sample frame used	EBRD provided sample from MONSTAT.
Source	Montenegrin Statistical Office - MONSTAT
Year of publication	N/A
Comments on the quality of the sample frame	Low quality. Large number of non existing enterprises.
Year and organisation that conducted the last economic census	N/A

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: We had problems with low response rate for firms bigger than 50 employees.
Comments on the response rate	None.
Comments on the sample design	None.

Fieldwork

Date of fieldwork	September 2008 – February 2009
Country	Montenegro
Number of interviews	Manufacturing: 37 Services (sector 52): 44 Core: 35
Problems found during fieldwork	Low % of eligible firms.
Other observations	None.

Questionnaires

Problems for the understanding of questions (write question number)	None.
Problems found in the navigability of questionnaires (for example, skip patterns)	No problems here.
Comments on questionnaire length	Very long and demanding. The respondents were reluctant to answer it all and lost interest in the survey.
Suggestions or other comments on the questionnaires	The questionnaires have many very detailed questions about financial figures and the quality of the answers for these questions is usually very low. Many firms refused to answer or did not have the exact data for section P and F.

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	Very slow for data punching. The data entering took longer than expected.
Comments on the data cleaning	None.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	N/A
Relevant country events that occurred during fieldwork	N/A
Other aspects	N/A

A.21 Poland

A.21.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The second sample frame for Poland was the database of *Polskie Firmy*.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 16% (559 out of 3,523 establishments).

Regional stratification was defined in six regions. These regions are Central, Southern, Eastern, North-Western, South-Western, and Northern (NUTS-1).

Original sectors	Manufacturing: 15 - 37 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) sectors	None

Fresh sample frame

Region	Employees	Sector			Grand Total
		Manufacturing	52	Residual	
Central	5-19	2657	3762	6016	12435
	20-99	1345	318	1936	3599
	100+	814	65	714	1593
Central Total		4816	4145	8666	17627
Eastern	5-19	1298	2725	4464	8487
	20-99	948	288	1194	2430
	100+	670	33	380	1083
Eastern Total		2916	3046	6038	12004
Northern	5-19	1992	3043	5538	10573
	20-99	1338	235	1584	3157
	100+	767	29	386	1182
Northern Total		4097	3307	7508	14912
North-Western	5-19	1568	2504	4280	8352
	20-99	1196	228	1401	2825
	100+	824	34	416	1274
North-Western Total		3588	2766	6097	12451
Southern	5-19	2102	4258	6442	12802
	20-99	1217	228	1826	3271
	100+	766	45	522	1333
Southern Total		4085	4531	8790	17406
South-Western	5-19	768	1471	2406	4645
	20-99	606	115	782	1503
	100+	464	25	214	703
South-Western Total		1838	1611	3402	6851
Grand Total		21340	19406	40501	81247

Source: *Polskie Firmy* database

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Central	<5	20	9	12	41
	5-19	25	4	12	41
	20-99	20	1	6	27
	100+	1	5	6	12
Central Total		66	19	36	121
Eastern	<5	1	4	5	10
	5-19	1	1	1	3
	20-99	2		3	5
	100+	3	1	3	7
Eastern Total		7	6	12	25
Northern	<5		4	3	7
	5-19	1	1	2	4
	20-99	1		4	5
	100+	1		1	2
Northern Total		3	5	10	18
North-Western	<5	20	4	9	33
	5-19	14	2	6	22
	20-99	12		4	16
	100+	4		2	6
North-Western Total		50	6	21	77
Southern	<5	17	5	5	27
	5-19	16	2	3	21
	20-99	12		5	17
	100+	9	1	4	14
Southern Total		54	8	17	79
South-Western	<5	3	2		5
	5-19	3			3
	20-99	3		2	5
	100+				
South-Western Total		9	2	2	13
Grand Total		189	46	98	333

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Central	5-19	15	13	12	40
	20-99	12	13	13	38
	100+	11	17	16	44
Central Total		38	43	41	122
Eastern	5-19	8	9	9	26
	20-99	9	12	8	29
	100+	9	9	9	27
Eastern Total		26	30	26	82
Northern	5-19	12	10	12	34
	20-99	12	10	11	33
	100+	11	7	9	27
Northern Total		35	27	32	94
North-Western	5-19	9	9	9	27
	20-99	11	10	10	31
	100+	12	9	9	30
North-Western Total		32	28	28	88
Southern	5-19	12	14	13	39
	20-99	11	10	13	34
	100+	11	12	12	35
Southern Total		34	36	38	108
South-Western	5-19	4	5	5	14
	20-99	5	5	5	15
	100+	6	6	5	17
South-Western Total		15	16	15	46
Grand Total		180	180	180	540

A.21.2. Status codes

TOTAL

Complete interviews (Total)	533
Incomplete interviews	0
Elegible in process	0
Refusals	2034
Out of target	235
Impossible to contact	172
Ineligible - coop.	152
Refusal to the Screener	142
Total	3268

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	2567
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	52
	7. Not a business: private household	11
	8. Ineligible activity: education, agriculture, finances, governments...	172
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	72
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	3
	11. Fax line - data line	11
	12. Wrong address/ moved away and could not get the new references	86
	13. Refuses to answer the screener	142
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	152
	152. Out of target - firm moved abroad	0
Total	2567	

PANEL

Complete interviews (Total)	79
Incomplete interviews	0
Elegible in process	0
Refusals	33
Out of target	38
Impossible to contact	72
Ineligible - coop.	2
Refusal to the Screener	109
Total	333

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	112
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	19
	7. Not a business: private household	3
	8. Ineligible activity: education, agriculture, finances, governments...	16
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	28
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	3
	11. Fax line - data line	11
	12. Wrong address/ moved away and could not get the new references	30
	13. Refuses to answer the screener	109
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	0
	151. Out of target - outside the covered regions, firm moved abroad	2
	152. Out of target - firm moved abroad	0
	Total	333

FRESH

Complete interviews (Total)	454
Incomplete interviews	0
Elegible in process	0
Refusals	2001
Out of target	197
Impossible to contact	100
Ineligible - coop.	150
Refusal to the Screener	33
Total	2935

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	2455
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	33
	7. Not a business: private household	8
	8. Ineligible activity: education, agriculture, finances, governments...	156
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	44
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	56
	13. Refuses to answer the screener	33
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	150
	152. Out of target - firm moved abroad	0
Total	2935	

A.21.3. Universe estimates

Poland universe estimates

	Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
First wave	66632	71432	76081
First wave+additional interviews	47426	53608	55323

Note that the universe estimates are significantly lower when all the completed interviews are taken into account (using weights *wstrict2*, *wmedian2*, and *wweak2*).

A.21.4. Survey and item non-response

The number of contacted establishments per realized interview was 7.74 in the first wave, and 6.13 overall. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units.

A.21.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: TNS OBOP Country: Poland Membership of international organisation: ESOMAR Activities since: 1958
Name of Project Manager	Agata Zadrożna
Name and position of other key persons of the project	Fieldwork Manager
Enumerators involved	Enumerators: 77 Recruiters: 80 In Poland enumerators worked as recruiters because in the second part of the fieldwork we changed the recruitment technique from telephone to face-to-face. The number of telephone recruiters was 3.
Other staff involved	Fieldwork Coordinators: 21 Editing: 1 Data Entry: - Data Processing: 1

Sample Frame

Characteristic of sample frame used	Data base of Polskie Firmy contain the most active companies and business addresses in Poland, including commercial (manufacturing, trade, services) and non-commercial (administration, education, societies) activities. It is created by a private company from various sources and is updated regularly.
Source	Polskie Firmy - Warszawa
Year of publication	2008
Comments on the quality of the sample frame	Quality of the sample frame is relatively good (worse for small companies). However, in the sample there were 52 inactive firms, 11 households and 86 firms which address cannot be found.
Year and organisation that conducted the last economic census	There were no economic censuses in Poland.
Other sources for companies statistics	Central Statistical Office keeps National Official Business Register http://www.stat.gov.pl/bip/regon_ENG_HTML.htm .

Sample

Comments/problems on sectors and regions selected in the sample	<p>On sectors:</p> <ul style="list-style-type: none"> - Many companies are officially production but in fact they are services; - State-owned companies and co-operatives were out of target but were not excluded from the sample. During the fieldwork 172 cases of out of target companies were encountered (the most often in Northern and North-western region). <p>On regions:</p> <ul style="list-style-type: none"> - We had more problems in big cities like Warsaw (Central region), Poznań (Northern-western region), Cracow (Southern region or Wrocław (South-western region) – appointments were rescheduled most often there. - It was much easier to conduct interviews in smaller towns; in smaller towns and in smaller companies people have more time.
Comments on the response rate	<ul style="list-style-type: none"> - Lots of refusals (2076 out of 454 successful interviews); - Lack of time was the most common reason for refusal. Appointments are re-scheduled many times. It sometimes happened that an appointment was set but when the interviewer came to the firm there was no contact with respondent (respondents even refused to answer phone calls).
Comments on the sample design	<ul style="list-style-type: none"> - In the first phase of the survey (when respondents were recruited by phone) sample design with three preferences was the reason for a very slow progress. It takes lot of time to get in touch with potential respondents with preference one and during that period preferences two and three cannot be contacted. - Placing emphasis on response rate (generally low among companies in Poland) has proven to be ineffective in terms of time.

Fieldwork

Date of fieldwork	August 2008 – March 2009, and July 2009 - September 2009
Country	Poland
Number of interviews	Manufacturing: 172 Services (sector 52): 175 Core: 186

Problems found during fieldwork	<ul style="list-style-type: none"> - In December and January it was very difficult to conduct any interviews (it is year end and start and companies are busy with financial issues). Respondents refused to accept an appointment during this period; - Respondents do not believe in confidentiality and even if they do, they are still afraid of saying too much. If an establishment was part of a bigger firm the interviewer was sent to the central location; - In bigger companies interviewers had problems reaching a potential respondent as they were not let into the buildings. Everything had to be settled through the reception desk. It often happened that it is the receptionist/secretary who refuses to let the interviewer in (calling by phone is not very helpful here as receptionists do not want to put the recruiter through to top manager); - In general the target group for the BEEPS survey was very difficult to reach; - In big companies several respondents had to be involved in the interview. One person cannot answer all questions. It caused problems in cases where the respondent was not willing to consult with other colleagues.
Other observations	<ul style="list-style-type: none"> - Respondents wanted to know the questions before the interview. Because of the methodology we were not able to tell them before the interview what questions were in the questionnaire. This made getting consent for the interview difficult; - Many respondents proposed to fill in the questionnaire themselves if it could have been sent by e-mail. It is much easier to interview respondents in firms by phone and it is really difficult to get consent for a face-to-face interview.

Questionnaires

Problems for the understanding of questions (write question number)	<ul style="list-style-type: none"> - In a4b respondents had lot of problems to correctly identify company sector; - In d1a2 respondents had problems with ISIC code. In some cases their activities involves both production of certain goods and selling them. List was not complete enough for needs of some and codes given from outside the list; - In d1a1x it was difficult to indicate main product especially when company produces several products; - In d2 it was not automatically clear for some respondents whether it is net value or gross value figure that was required; - Questions b4 and ECAb7a are sensitive and respondents did not understand their purpose; - b5, b6 – some comprehension problems occurred with differences between starting operations and being registered; - The scale for the obstacles questions was difficult to use for respondents; - f1 - question is not clear. Respondents did not immediately understand the concept of capacity utilization; - In I10 it is difficult to understand the notion of “formal training”; - n2i respondents sometimes mixed this up with the value requested in d2.
Problems found in the navigability of questionnaires (for example, skip patterns)	In Poland CAPI was used so no such problems occurred.
Comments on questionnaire length	According to many respondents (and interviewers) the questionnaire was too long. The average length of the interview was about 57 minutes.
Suggestions or other comments on the questionnaires	<ul style="list-style-type: none"> - There were problems with differences between licences, permits and certificates; - Respondents felt that the questionnaire contains too many questions about facts and figures and not enough about their situation and barriers.

Database

Data entry program chosen	In Poland CAPI was used so no data entry was needed.
Comments on the data entry program	As in Poland CAPI was used there were no problems with skip patterns. Some problems occurred in financial questions with number "0".
Comments on the data cleaning	SPSS 14.0 PL for Windows was used for cleaning the data.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	During the fieldwork the economic crisis started to be an issue in Poland, but it seems not to have had an influence on the fieldwork.
Relevant country events that occurred during fieldwork	None.
Other aspects	None.

A.22 Romania

A.22.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The second sample frame used in Romania was the Trade Register of Romania. The full frame was not made available. Instead an extract was selected in Romania according to instructions from the TNS statistical team in London.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 37% (414 out of 1,115 establishments).

Regional stratification was defined in eight regions. These regions are Nord-Est, Sud-Est, Sud-Muntenia, Vest, Nord-Vest, Bucuresti-Ilfov-Ilfov, Sud-Vest Oltenia, and Centru (NUTS-2).

Original sectors	Manufacturing: 15 - 37 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) sectors	None

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Nord-Est	5-19	1935	2762	3309	8006
	20-99	1009	296	944	2249
	100+	349	24	148	521
Nord-Est Total		3293	3082	4401	10776
Sud-Est	5-19	1566	2545	3662	7773
	20-99	873	253	1051	2177
	100+	282	15	210	507
Sud-Est Total		2721	2813	4923	10457
Sud-Muntenia	5-19	1534	2448	2994	6976
	20-99	944	236	927	2107
	100+	339	18	163	520
Sud-Muntenia Total		2817	2702	4084	9603
Sud-Vest Oltenia	5-19	1021	1607	2200	4828
	20-99	487	190	581	1258
	100+	178	13	96	287
Sud-Vest Oltenia Total		1686	1810	2877	6373
Vest	5-19	1572	1919	3370	6861
	20-99	940	205	866	2011
	100+	330	15	131	476
Vest Total		2842	2139	4367	9348
Nord-Vest	5-19	2570	2223	3809	8602
	20-99	1305	258	1048	2611
	100+	426	19	158	603
Nord-Vest Total		4301	2500	5015	11816
Centru	5-19	2438	2383	4364	9185
	20-99	1274	303	1143	2720
	100+	460	18	164	642
Centru Total		4172	2704	5671	12547
Bucuresti-Ilfov	5-19	2513	2586	7303	12402
	20-99	1221	352	2235	3808
	100+	446	82	496	1024
Bucuresti-Ilfov Total		4180	3020	10034	17234
Grand Total		26012	20770	41372	88154

Source: Trade Register of Romania

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Nord-Est	<5	9	3		12
	5-19	24	3	5	32
	20-99	32	3	8	43
	100+	17		5	22
Nord-Est Total		82	9	18	109
Sud-Est	<5	3		3	6
	5-19	13	3	7	23
	20-99	20	2	7	29
	100+	7	1	1	9
Sud-Est Total		43	6	18	67
Sud-Muntenia	<5	4	2	1	7
	5-19	13	3	6	22
	20-99	11	2	7	20
	100+	20	1	3	24
Sud-Muntenia Total		48	8	17	73
Sud-Vest Oltenia	<5				0
	5-19				0
	20-99				0
	100+				0
Sud-Vest Oltenia Total		0	0	0	0
Vest	<5	3	1	3	7
	5-19	18	1	6	25
	20-99	9	2	3	14
	100+	6		3	9
Vest Total		36	4	15	55
Nord-Vest	<5	15	2	2	19
	5-19	22	2	4	28
	20-99	24	3	5	32
	100+	13	1	2	16
Nord-Vest Total		74	8	13	95
Centru	<5				0
	5-19				0
	20-99				0
	100+				0
Centru Total		0	0	0	0
Bucuresti-Ilfov	<5	4	3	1	8
	5-19	11		5	16
	20-99	12	6	7	25
	100+	13	1	2	16
Bucuresti-Ilfov Total		40	10	15	65
Grand Total		323	45	96	464

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Nord-Est	5-19	8	9	6	23
	20-99	8	9	7	24
	100+	7	7	6	20
Nord-Est Total		23	25	19	67
Sud-Est	5-19	6	8	7	21
	20-99	6	7	7	20
	100+	6	5	8	19
Sud-Est Total		18	20	22	60
Sud-Muntenia	5-19	6	8	6	20
	20-99	7	7	6	20
	100+	7	5	6	18
Sud-Muntenia Total		20	20	18	58
Sud-Vest Oltenia	5-19	4	5	4	13
	20-99	4	5	4	13
	100+	4	4	4	12
Sud-Vest Oltenia Total		12	14	12	38
Vest	5-19	6	6	7	19
	20-99	7	6	6	19
	100+	7	4	5	16
Vest Total		20	16	18	54
Nord-Vest	5-19	10	7	7	24
	20-99	10	7	7	24
	100+	9	6	6	21
Nord-Vest Total		29	20	20	69
Centru	5-19	10	8	9	27
	20-99	9	9	8	26
	100+	10	5	6	21
Centru Total		29	22	23	74
Bucuresti-Ilfov	5-19	10	9	14	33
	20-99	9	10	15	34
	100+	10	24	19	53
Bucuresti-Ilfov Total		29	43	48	120
Grand Total		180	180	180	540

A.22.2. Status codes

TOTAL

Complete interviews (Total)	541
Incomplete interviews	6
Elegible in process	32
Refusals	43
Out of target	64
Impossible to contact	326
Ineligible - coop.	1
Refusal to the Screener	106
Total	1119

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	528
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	69
	16. Panel firm - now less than five employees	23
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	18
	7. Not a business: private household	28
	8. Ineligible activity: education, agriculture, finances, governments...	18
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	159
	92. Line out of order	41
	93. No tone	56
	10. Answering machine	12
	11. Fax line - data line	16
	12. Wrong address/ moved away and could not get the new references	42
	13. Refuses to answer the screener	106
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	1
Total	1119	

PANEL

Complete interviews (Total)	92
Incomplete interviews	3
Elegible in process	32
Refusals	24
Out of target	46
Impossible to contact	241
Ineligible - coop.	1
Refusal to the Screener	24
Total	463

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	79
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	48
	16. Panel firm - now less than five employees	23
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	12
	7. Not a business: private household	21
	8. Ineligible activity: education, agriculture, finances, governments...	13
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	116
	92. Line out of order	36
	93. No tone	40
	10. Answering machine	8
	11. Fax line - data line	13
	12. Wrong address/ moved away and could not get the new references	28
	13. Refuses to answer the screener	24
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	1
Total	463	

FRESH

Complete interviews (Total)	449
Incomplete interviews	3
Elegible in process	0
Refusals	19
Out of target	18
Impossible to contact	85
Ineligible - coop.	0
Refusal to the Screener	82
Total	656

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	449
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	21
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	6
	7. Not a business: private household	7
	8. Ineligible activity: education, agriculture, finances, governments...	5
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	43
	92. Line out of order	5
	93. No tone	16
	10. Answering machine	4
	11. Fax line - data line	3
	12. Wrong address/ moved away and could not get the new references	14
	13. Refuses to answer the screener	82
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
Total	656	

A.22.3. Cell weights and universe estimates

Individual cell weights (strict)

Region	Employees	Sector		
		Manufacturing	52	Residual
Nord-Est	5-19	65	244	346
	20-99	22	48	15
	100+	16	8	2
Sud-Est	5-19	109	363	387
	20-99	39	116	24
	100+	18	30	1
Sud-Muntenia	5-19	106	218	319
	20-99	73	88	34
	100+	34	14	3
Sud-Vest Oltenia	5-19	151	398	248
	20-99	100	116	48
	100+	31	19	3
Vest	5-19	87	228	155
	20-99	45	114	14
	100+	38	37	2
Nord-Vest	5-19	119	341	203
	20-99	67	104	18
	100+	29	20	2
Centru	5-19	221	484	166
	20-99	205	113	43
	100+	44	27	6
Bucuresti-Ilfov	5-19	257	366	78
	20-99	79	138	13
	100+	24	12	2

Individual cell weights (median)

Region	Employees	Sector		
		Manufacturing	52	Residual
Nord-Est	5-19	106	399	528
	20-99	36	76	23
	100+	25	13	3
Sud-Est	5-19	127	421	417
	20-99	44	129	25
	100+	21	34	1
Sud-Muntenia	5-19	129	264	360
	20-99	85	102	37
	100+	40	17	3
Sud-Vest Oltenia	5-19	168	440	256
	20-99	107	116	48
	100+	34	19	3
Vest	5-19	119	313	197
	20-99	60	151	17
	100+	51	50	2
Nord-Vest	5-19	136	387	215
	20-99	74	114	19
	100+	32	22	3
Centru	5-19	244	533	170
	20-99	218	114	43
	100+	48	27	6
Bucuresti-Ilfov	5-19	345	490	97
	20-99	103	178	16
	100+	32	16	3

Individual cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
Nord-Est	5-19	197	636	868
	20-99	61	112	35
	100+	41	18	5
Sud-Est	5-19	202	576	590
	20-99	65	164	33
	100+	29	41	1
Sud-Muntenia	5-19	220	385	541
	20-99	134	138	52
	100+	60	21	4
Sud-Vest Oltenia	5-19	195	440	263
	20-99	115	115	46
	100+	35	19	3
Vest	5-19	209	468	305
	20-99	96	209	24
	100+	78	65	3
Nord-Vest	5-19	222	542	311
	20-99	112	148	25
	100+	46	26	3
Centru	5-19	286	536	117
	20-99	237	111	41
	100+	49	27	6
Bucuresti-Ilfov	5-19	579	705	144
	20-99	159	238	22
	100+	47	20	4

Romania universe estimates

Strict individual cell weights	Median individual cell weights	Weak individual cell weights
51438	61381	83519

A.22.4. Survey and item non-response

The number of contacted establishments per realized interview was 2.06. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units.

A.22.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: Center for Urban and Regional Sociology - CURS Country: Romania Membership of international organisation: - Activities since: 1990
Name of Project Manager	Catalin Augustin Stoica
Name and position of other key persons of the project	
Enumerators involved	Enumerators: 55 Recruiters: 56 (most of the interviewers did the recruitment themselves. For the panel sample, the recruitment was conducted from our central headquarters). 2 interviewers did not carry out screeners 3 recruiters didn't carry out complete interviews

Other staff involved	Fieldwork Coordinators: 51 – 8 at the regional level and 42 at county levels Editing: 4 Data Entry: 5 Data Processing: 2
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Sample Frame

Characteristic of sample frame used	Panel sample provided by the World Bank and EBRD – 464 establishments; Fresh sample of 3570 establishment bought from The National Trade Register Office and selected by The National Trade Register Office specialists` based on the instructions provided by TNS Opinion
Source	The National Trade Register Office - official source
Year of publication	2007
Comments on the quality of the sample frame	Poor quality of the panel sample: <ul style="list-style-type: none"> - many of the firms didn't correspond to the regions they were assigned to in the panel sample (for example, firms from Constanta which is in the far East of Romania were assigned to the North-West region); - many of the firms didn't correspond to the sectors they were assigned to in the panel sample and they never had the given ISIC codes; - many firms were outside the sampling zone and they never had ISIC codes that belonged to this range; - many firms didn't exist at all or their contact details were not accurate – for these last ones we tried to find other sources for their contacts but we weren't able to solve all of them; - many managers from these firms did not remember to have participated in the BEEPS survey in 2005 or to have ever been contacted for such a survey; - in the end, we were able to use only about 25% of the firms from the panel sample; The fresh sample was much better and had an acceptable response rate. However, we encountered problems because a limited number of replacement contacts was provided, and sample top ups had to be approved by the World Bank and EBRD task managers every time there was a request. This delayed our time spent on the fieldwork considerably.
Year and organisation that conducted the last economic census	National Institute of Statistics – 2007
Other sources for companies statistics	National Institute of Statistics - Romanian Statistical Yearbook 2007. Data sources: Statistical Business Register managed by the National Institute of Statistics that is a statistical instrument for keeping identification data for all legal units carrying out an economic or social activity. The register is updated based on the following sources: Fiscal Register, Trade Register, Balance sheet of economic operators. Romanian Statistical Yearbook presents in table no. 15.20 Active local units from industry, construction, trade and other services, by development region, activity of national economy at level of NEAC Classification Rev.1 and by size class (in accordance with Eurostat criteria the following interval are used: 0-9 employees, 10-49 employees, 50-249 employees, 250 employees and over).

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: None On regions: None
Comments on the response rate	Quite low rate because of the length and structure of the questionnaire
Comments on the sample design	The ample design was quite complicated, strict and didn't allow us much flexibility, which in Romania is very much appreciated due to the economic environment. Many firms appear and disappear from one year to the other, the refusal rate for such surveys is generally quite high, and many of the selected firms were from rural far areas that were not easy at all to access.

Fieldwork

Date of fieldwork	August 2008 – December 2008
Country	Romania
Number of interviews	Manufacturing: 193 Services (sector 52): 192 Core: 156
Problems found during fieldwork	<p>Many respondents initially agreed to complete the interview when they were screened but later, when they saw how long the questionnaire was, refused to do it. Some of the respondents became bored during the interview and refused to continue.</p> <p>Some of them rescheduled the interview and then were unreachable (didn't answer the phone, didn't respect the meeting times and dates). However, most of them categorically refused to carry on with the interview.</p> <p>Due to the low flexibility level of this survey and the limited sample given by TNS London, some of our interviewers had to carry repeated visits of over 200 km's (back and forth) to far rural villages for one single questionnaire, fact which was pretty annoying and increased our costs considerably.</p> <p>Difficulties signalled in talking to several different managers (HR, Finance, etc.) for getting the required answers for one single questionnaire.</p>
Other observations	None.

Questionnaires

Problems for the understanding of questions (write question number)	Some of the questions were quite complicated and were not very well understood by the respondents (see repeated DK/NA answers).
Problems found in the navigability of questionnaires (for example, skip patterns)	None.
Comments on questionnaire length	The questionnaire was considered to be too long by us, our coordinators, our interviewers and the respondents. One of our regional coordinators even refused to work with such a long questionnaire so we had to find another one for that specific region.
Suggestions or other comments on the questionnaires	None.

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	The interface was not very user-friendly and not very fast for data entry. For optimum results, our data-entry operators had to use both the keyboard and the mouse and this increased the overall time spent on punching in the data. Everything would have worked much faster and smoother if we would have used our own data entry software and deliver the database in SPSS/Excel/whatever.
Comments on the data cleaning	We had no direct access to the database so we weren't able to run any filters or cleaning programs on it. The cleaning process took longer because all corrections needed to be implemented in excel files (data validation reports) provided by TNS Opinion.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	The answers for questions regarding informal payments were hardly obtained and sometimes the interviewers signaled that the respondents didn't seem to be very sincere when answering such questions. From our previous experience, due to various reasons – fiscal, political, grey-market economy - we can say that large multinational and national companies in Romania have quite strict rules regarding answering such surveys and some of them definitely refuse to participate due to internal regulations.
Relevant country events that occurred during fieldwork	Christmas and New Year Holidays; parliamentary election on November 28
Other aspects	None.

A.23 Russia

A.23.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The second frame for Russia was compiled in 2007 and obtained from the National Statistics Agency (GosKomStat). The frame did not show the number of employees for establishments. It did however, show turnover values. Estimates were obtained which related turnover to size. They suggested that to qualify for the usual size criterion the turnover should be at least 1 million roubles. In addition, as Russia is a very large country spanning eleven time zones, the frame would cover many cities. Therefore, for cost efficiency reasons, it was decided that an extract should be purchased that covered only an agreed set of cities for establishments with turnover in excess of 1 million roubles. That extract, selected to instructions of the TNS statistical team, was sent to the TNS statistical team in London to select the establishments for interview. The third sample frame, BCD, was compiled in 2007 and was supplied by ROMIR for the follow-up survey to achieve the target sample size. BCD database has information on the size of the company for some of the companies, but does not include information about annual turnover.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 44% (2468 out of 5559 establishments) for the initial survey.

Regional stratification was defined in seven regions. These regions are North West, Central, South, Ural, Siberia, Volgo-Viatsky, and Far East (federal districts).

Sectors included in the sample:

Original sectors	Manufacturing: 15 - 37 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) sectors	None

Fresh sample frame

		Sector								
Region	Size	15	18	24	27-28	29	52	Other Manufacturing	Residual	Grand Total
North West	<60m RUB	166	74	147	450	410	1886	1383	10588	15,105
	60m-299m RUB	77	15	42	79	90	137	400	1827	2,667
	300m RUB+	62	4	17	21	33	101	280	1570	2,088
North West Total		305	93	206	550	533	2124	2063	13985	19859
Central	<60m RUB	591	365	570	858	1115	6462	4527	49549	64,036
	60m-299m RUB	166	40	121	184	239	731	1581	11706	14,768
	300m RUB+	155	16	56	52	57	228	1262	5211	7,038
Central Total		912	421	747	1094	1411	7421	7370	66466	85842
South	<60m RUB	103	40	35	132	124	1611	448	4584	7,076
	60m-299m RUB	49	1	6	19	31	186	146	1550	1,989
	300m RUB+	22	2	3	8	11	34	70	452	602
South Total		174	43	44	160	166	1831	663	6586	9667
Ural	<60m RUB	70	37	50	171	202	893	498	5409	7,330
	60m-299m RUB	28	4	4	35	33	71	143	1064	1,383
	300m RUB+	20	1	7	32	34	65	110	532	800
Ural Total		119	42	62	237	268	1029	751	7005	9513
Siberia	<60m RUB	119	35	51	128	143	1439	561	4935	7,412
	60m-299m RUB	30	0	11	23	29	206	155	873	1,327
	300m RUB+	23	1	5	18	19	9	50	645	772
Siberia Total		172	36	67	170	191	1654	767	6454	9511
Volgo- Viatsky	<60m RUB	158	89	178	333	402	2578	1065	10240	15,043
	60m-299m RUB	75	6	41	73	88	200	423	2837	3,742
	300m RUB+	47	0	39	19	43	92	269	1604	2,113
Volgo-Viatsky Total		280	95	257	425	533	2870	1757	14681	20898
Far East	<60m RUB	46	15	6	20	20	705	184	1983	2,979
	60m-299m RUB	11	0	1	4	3	49	26	350	444
	300m RUB+	17	0	0	1	1	16	2	292	329
Far East Total		74	15	7	25	24	770	212	2625	3752
Grand Total		2,036	745	1390	2661	3126	17699	13583	117802	159042

Source: GosKomStat – National Statistics Agency, 2007 and BCD, 2007

Panel sample frame

		Sector								Grand Total
Region	Employees	15	18	24	27-28	29	52	Other Manufacturing	Residual	
North West	<5								2	2
	5-19					1	5	5	11	22
	20-99			1		1	2	1	11	16
	100+	2		1				2	6	11
North West Total		2	0	2	0	2	7	8	30	51
Central	<5		2				11	1	4	18
	5-19	1	5	1		1	22	12	24	66
	20-99	8					8	6	43	65
	100+	3	3	1		3	6	17	28	61
Central Total		12	10	2		4	47	36	99	210
South	<5							3		3
	5-19						2	1	6	9
	20-99		1	1		1	1	2	8	14
	100+					1		3	3	7
South Total		0	1	1	0	2	3	9	17	33
Ural	<5									
	5-19		2				2	1	6	11
	20-99							3	3	6
	100+	1							3	4
Ural Total		1	2	0	0	0	2	4	12	21
Siberia	<5						4	1		5
	5-19						3	1	2	6
	20-99	2					2	5	7	16
	100+							2	3	5
Siberia Total		2					9	9	12	32
Volgo-Viatsky	<5		1				1		1	3
	5-19		1				6	3	7	17
	20-99	1	1				1	2	10	15
	100+					1	1	4	5	11
Volgo-Viatsky		1	3	0	0	1	9	9	23	46
Far East	<5									0
	5-19									0
	20-99									0
	100+									0
Far East Total		0	0	0	0	0	0	0	0	0
Grand Total		18	16	5	0	9	77	75	193	393

Source: BEEPS 2005

Original sample design

		Sector								
Region	Employees	15	18	24	27-28	29	52	Other Manufacturing	Residual	Grand Total
North West	5-19	8	15	7	11	9	6	7	5	68
	20-99	10	7	11	12	10	4	6	4	64
	100+	9	2	7	7	8	5	6	6	50
North West Total		27	24	25	30	27	15	19	15	182
Central	5-19	27	67	30	22	26	20	21	23	236
	20-99	21	16	29	21	24	22	22	23	178
	100+	24	8	22	17	14	8	25	20	138
Central Total		72	91	81	60	64	50	68	66	552
South	5-19	5	8	2	4	3	5	2	2	31
	20-99	6		1	3	4	6	2	3	25
	100+	3	1	1	3	3	2	1	2	16
South Total		14	9	4	10	10	13	5	7	72
Ural	5-19	3	7	3	5	5	3	2	3	31
	20-99	4	2	1	5	4	2	2	2	22
	100+	3		3	11	9	5	2	2	35
Ural Total		10	9	7	21	18	10	6	7	88
Siberia	5-19	5	7	3	4	3	5	3	2	32
	20-99	4		3	4	3	7	2	2	25
	100+	4		2	6	5		1	3	21
Siberia Total		13	7	8	14	11	12	6	7	78
Volgo- Viatsky	5-19	7	17	10	9	9	9	5	5	71
	20-99	10	3	10	10	10	6	6	6	61
	100+	7		15	6	11	5	5	7	56
Volgo-Viatsky Total		24	20	35	25	30	20	16	18	188
Far East	5-19	12	4	2	3	6	20	16	10	73
	20-99	3			1	1	2	5	4	16
	100+	4					2		5	11
Far East Total		19	4	2	4	7	24	21	19	100
Grand Total		179	164	162	164	167	144	141	139	1260

A.23.2. Status codes

TOTAL

Complete interviews (Total)	1258
Incomplete interviews	27
Elegible in process	106
Refusals	915
Out of target	324
Impossible to contact	3080
Ineligible - coop.	10
Refusal to the Screener	1450
Total	11161

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	2233
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	7
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	12
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	50
	16. Panel firm - now less than five employees	4
Ineligible	5. The establishment has less than 5 permanent full time employees	41
	6. The firm discontinued businesses	127
	7. Not a business: private household	68
	8. Ineligible activity: education, agriculture, finances, governments...	88
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	1577
	92. Line out of order	202
	93. No tone	20
	10. Answering machine	17
	11. Fax line - data line	40
	12. Wrong address/ moved away and could not get the new references	1224
	13. Refuses to answer the screener	1441
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	761
	151. Out of target - outside the covered regions, firm moved abroad	10
	152. Out of target - firm moved abroad	0
Total	7922	

PANEL

Complete interviews (Total)	57
Incomplete interviews	4
Elegible in process	6
Refusals	26
Out of target	19
Impossible to contact	135
Ineligible - coop.	8
Refusal to the Screener	30
Total	285

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	77
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	3
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	10
	16. Panel firm - now less than five employees	2
Ineligible	5. The establishment has less than 5 permanent full time employees	1
	6. The firm discontinued businesses	12
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	6
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	47
	92. Line out of order	24
	93. No tone	1
	10. Answering machine	0
	11. Fax line - data line	4
	12. Wrong address/ moved away and could not get the new references	59
	13. Refuses to answer the screener	30
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	46
	151. Out of target - outside the covered regions, firm moved abroad	8
	152. Out of target - firm moved abroad	0
	Total	331

FRESH FIRST WAVE

Complete interviews (Total)	949
Incomplete interviews	18
Elegible in process	100
Refusals	686
Out of target	254
Impossible to contact	2050
Ineligible - coop.	2
Refusal to the Screener	1215
Total	5274

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	1707
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	2
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	5
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	37
	16. Panel firm - now less than five employees	2
Ineligible	5. The establishment has less than 5 permanent full time employees	34
	6. The firm discontinued businesses	113
	7. Not a business: private household	28
	8. Ineligible activity: education, agriculture, finances, governments...	79
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	786
	92. Line out of order	164
	93. No tone	19
	10. Answering machine	13
	11. Fax line - data line	30
	12. Wrong address/ moved away and could not get the new references	1038
	13. Refuses to answer the screener	1215
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	579
	151. Out of target - outside the covered regions, firm moved abroad	2
	152. Out of target - firm moved abroad	0
Total	5853	

FRESH SECOND WAVE

Complete interviews (Total)	252
Incomplete interviews	5
Elegible in process	0
Refusals	203
Out of target	51
Impossible to contact	895
Ineligible - coop.	0
Refusal to the Screener	196
Total	1602

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	449
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	4
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	4
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	3
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	6
	6. The firm discontinued businesses	2
	7. Not a business: private household	40
	8. Ineligible activity: education, agriculture, finances, governments...	3
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	744
	92. Line out of order	14
	93. No tone	0
	10. Answering machine	4
	11. Fax line - data line	6
	12. Wrong address/ moved away and could not get the new references	127
	13. Refuses to answer the screener	196
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	136
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
Total	1738	

A.23.3. Cell weights and universe estimates

Russia universe estimates

	Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
First wave	57069	87925	147074
First wave + additional interviews	47086	71295	141870

Note that the universe estimates are significantly lower when all the completed interviews are taken into account (using weights *wstrict2*, *wmedian2*, and *wweak2*).

A.23.4. Survey and item non-response

The number of contacted establishments per realized interview was 6.14. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units.

A.23.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency 1	Name: TNS MIC Country: Russia Membership of international organisation: ESOMAR Activities since: 1990 (part of TNS since 2001)
Name of Project Manager	Boris Khatutsky
Name and position of other key persons of the project	Head of Research Group Manager
Enumerators involved	Enumerators: 88 Recruiters: 77 49 people were both enumerators and recruiters.
Other staff involved	Fieldwork Coordinators: 1 Field Manager: 1 Editing: 1 Data Entry: 1 Data Processing:

Local agency 2	Name: ROMIR Country: Russia Membership of international organisation: Gallup International, Global NR, Open World and Worldwide Independent Network (WIN) Activities since: 1987
Name of Project Manager	Belackovskaya Natalia
Name and position of other key persons of the project	Customer service manager
Enumerators involved	Enumerators: 67 interviewers and 9 supervisors Recruiters: Interviewers also did recruitment.
Other staff involved	Fieldwork Coordinators: 1 Editing: Data Entry: 1 Data Processing: 1

Sample Frame

Characteristic of sample frame used	GosKomStat is an official source of information. The information is based on the financial statements of the companies (book-keeping reports).
Source	GosKomStat - National Statistics Agency
Year of publication	Beginning of 2007
Comments on the quality of the sample frame	Many incorrect telephone numbers and addresses for the reason that most companies have different official address than the actual location of the establishments' activities. GosKomStat's base includes official addresses only. The local institutes had to check every second contact and much time was dedicated to searching for updated contact information. However, this is the unique source of information available in Russia in order to have a data base which is representative of the target universe.
Year and organisation that conducted the last economic census	It is updated yearly. The version used was updated at the beginning of 2007 so the contact information refers to 2006.
Other sources for companies statistics	Online search for actual addresses and telephone numbers (including the website: http://yellowpages.ru), several subcontractors used their own data bases to find appropriate information about firms from the sample (in some regions). This approach was used in all the cases when we could reach companies using the contact information from the initial sample frame.

Characteristic of sample frame used	Includes size of the company for some of the companies.
Source	BCD Base
Year of publication	2007
Comments on the quality of the sample frame	Many incorrect telephone numbers and addresses for the reason that most companies have different official address than the actual location of the establishments' activities.

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: Industry classification used in the sample frame has a different name (OKVED) however it is the same as ISIC. On regions: Central region was the most difficult one because of the large target sample. The region is mostly represented by Moscow city only so many interviews had to be done in Moscow.
Comments on the response rate	Only 14,000 contacts were eligible for purchase from the GosKomStat sample frame for the 53 cities targeted. The poor quality of the sample frame in terms of the contact information contributed to a low response rate.
Comments on the sample design	Size of establishment was estimated from the turnover as it was not indicated in the initial sample frame.
Other comments	All establishments which have their own financial statements are included given that the criterion to be included in the GosKomStat base is to report financial statements.

Fieldwork

Date of fieldwork	August 2008 – March 2009
Country	Russia
Number of interviews	Manufacturing: 630 Services (sector 52): 151 Core: 250

Date of fieldwork	July 2009 – October 2009
Country	Russia
Number of interviews	Manufacturing: 130 Services (sector 52): 55 Core: 66

Problems found during fieldwork	<ul style="list-style-type: none"> • The low quality of the sample frame (too many companies which do not exist or contact information is inaccurate). • Respondents did not see how participation in the study will be advantageous for them; they do not believe that the World Bank's policy will help them directly. • The interview is very lengthy. • Giving financial information during the interview was a real barrier for cooperation in spite of interviewers' efforts to reassure respondents that their responses would never be related back to them individually. • Respondents were fearful nonetheless and considered that it was their 'company secret'. Sometimes it was a reason for refusal at the very beginning of the interview. • Second wave of fieldwork was conducted during the summer, which had an impact on the response rates.
Other observations	<ul style="list-style-type: none"> • The financial crisis in Russia influenced the response rate. All the companies' top-managers were preoccupied with company business and had neither the time nor the wish to participate. Generally-speaking they are not confident in the future. Given their focus on resolving problems which the financial crisis brings to their company, they were unwilling to dedicate time to an interview. • There were some cases when respondents were willing to complete the questionnaire themselves and send it by e-mail. Many respondents were willing to answer all the questions during a telephone call but not to meet the interviewer.

Questionnaires

Problems for the understanding of questions (write question number)	Sometimes there was confusion surrounding the questions on unofficial gifts. No additional explanation was given by the interviewer given the sensitivity of such questions and the question was read exactly as it appeared on the questionnaire. Talking about water supply costs, costs for electricity etc. was problematic in numerous cases. In cases where the establishment does not have its own premises but rents a premises or office respondents could not identify the individual costs for all statements as the costs for renting includes costs for water supply, electricity and others.
Problems found in the navigability of questionnaires (for example, skip patterns)	No problems. Perhaps questions about financial statements should be asked earlier (in the middle of interview). Sometimes people have no patience to complete the full interview and moreover share the company's financial information.
Comments on questionnaire length	The interview is lengthy and sometimes it was difficult to reach the end of the interview.
Suggestions or other comments on the questionnaires	As the questionnaire length is very long self-completion could perhaps be considered in the future.

Database

Data entry program chosen	CONFIRMIT (TNS MIC) & CENTRY (ROMIR)
Comments on the data entry program	CONFIRMIT: On the one hand the fact that it's impossible to skip answers is very useful for data entry department as they can't miss any answer. On the other hand, the local institute faced the challenge of quantitative questions, sometimes respondent gave an answer that contains strange numbers in terms of CONFIRMIT (e.g. amount of certificates, licence, etc.). Additional data checking instructions were implemented. The advantage of the programme was that it could identify the mistakes at the very moment the questionnaire was entered or show the list of errors after it was entered. In that case we could make the call-backs and corrections immediately and not wait for the data validation report. CENTRY: None
Comments on the data cleaning	Comments from TNS MIC: Working with the data validation reports was a difficult and time consuming process. Comments from ROMIR: None

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	During the fieldwork and even prior to commencing, many Russian factories were closed because of the global financial crisis.
Relevant country events that occurred during fieldwork	A lot of employees were fired in many companies, so the information about the number of employees was rapidly evolving.
Other aspects	None.

A.24 Serbia

A.24.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The second frame used in Serbia was the Balance Sheet 2006, which was issued by National Bank of Serbia. That frame (referred to as the Fresh) was sent to TNS in London to select the establishments for interview.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 24% (199 out of 830 establishments).

Regional stratification was defined in six regions. These regions are Belgrade, Central, East, South East, Vojvodina, and West. Table below shows the districts and municipalities in each of these six regions, as well as correspondence with NUTS-2 regions.

Grouping used for stratification purposes in BEEPS IV	District	Municipality	Official statistical regions (NUTS-2)
Belgrade	City of Belgrade	Barajevo, Čukarica, Grocka, Lazarevac, Mladenovac, Novi Beograd, Obrenovac, Palilula, Rakovica, Savski venac, Sopot, Stari Grad, Voždovac, Vračar, Zemun, Zvezdara	City of Belgrade
Central	Moravica	Čačak, Gornji Milanovac, Ivanjica, Lučani	Šumadija and Western Serbia
	Pomoravlje	Čuprija, Despotovac, Paraćin, Rekovac, Jagodina, Svilajnac	
	Rasina	Aleksandrovac, Brus, Čičevac, Kruševac, Trstenik, Varvarin	
	Raška	Kraljevo, Novi Pazar, Raška, Tutin, Vrnjačka Banja	
	Šumadija	Arandelovac, Batočina, Knić, Kragujevac, Lapovo, Rača, Topola	

East	Bor	Bor, Kladovo, Majdanpek, Negotin	Southern and Eastern Serbia
	Braničevo	Golubac, Kučevo, Malo Crniće, Petrovac, Požarevac, Veliko Gradište, Žabari, Žagubica	
	Podunavlje	Smederevo, Smederevska Palanka, Velika Plana	
	Zaječar	Boljevac, Knjaževac, Sokobanja, Zaječar	
South East	Jablanica	Bojnik, Crna Trava, Lebane, Leskovac, Medveđa, Vlasotince	Southern and Eastern Serbia
	Nišava	Aleksinac, Doljevac, Gadžin Han, Merošina, Niš, Niš-Crveni Krst, Niška Banja, Niš-Medijana, Niš-Palilula, Niš-Pantelej, Ražanj, Svrljig	
	Pčinja	Bosilegrad, Bujanovac, Preševo, Surdulica, Trgovište, Vladičin Han, Vranje	
	Pirot	Babušnica, Bela Palanka, Dimitrovgrad, Pirot	
	Toplica	Blace, Kuršumlija, Prokuplje, Žitorađa	
Vojvodina	Central Banat	Nova Crnja, Novi Bečej, Sečanj, Žitište, Zrenjanin	Vojvodina
	North Bačka	Bačka Topola, Mali Idoš, Subotica	
	North Banat	Ada, Čoka, Kanjiža, Kikinda, Novi Kneževac, Senta	
	South Bačka	Bač, Bačka Palanka, Bački Petrovac, Bečej, Beočin, Novi Sad, Srbobran, Sremski Karlovci, Temerin, Titel, Vrbas, Žabalj	
	South Banat	Alibunar, Bela Crkva, Kovačica, Kovin, Opovo, Pančevo, Plandište, Vršac	
	Srem	Indija, Irig, Pećinci, Ruma, Sremska Mitrovica, Stara Pazova, Šid	
	West Bačka	Apatin, Kula, Oždaci, Sombor	
West	Kolubara	Lajkovac, Ljig, Mionica, Osečina, Ub, Valjevo	Šumadija and Western Serbia
	Mačva	Bogatić, Koceljeva, Krupanj, Ljubovija, Loznica, Mali Zvornik, Šabac, Vladimirci	
	Zlatibor	Arilje, Bajina Bašta, Čajetina, Kosjerić, Nova Varoš, Požega, Priboj, Prijepolje, Sjenica, Užice	

Sectors included in the sample:

Original sectors	Manufacturing: 15 - 37 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) sectors	None

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Belgrade	5-19	1206	328	3118	4652
	20-99	459	83	783	1325
	100+	173	32	200	405
Belgrade Total		1838	443	4101	6382
Central	5-19	596	160	864	1620
	20-99	300	40	233	573
	100+	145	13	60	218
Central Total		1041	213	1157	2411
East	5-19	145	110	321	576
	20-99	98	22	102	222
	100+	52	11	25	88
East Total		295	143	448	886
South East	5-19	378	109	666	1153
	20-99	251	29	185	465
	100+	132	10	41	183
South East Total		761	148	892	1801
Vojvodina	5-19	999	225	1951	3175
	20-99	541	51	510	1102
	100+	242	16	95	353
Vojvodina Total		1782	292	2556	4630
West	5-19	346	88	407	841
	20-99	201	21	140	362
	100+	82	4	30	116
West Total		629	113	577	1319
Grand Total		6346	1352	9731	17429

Source: Balance Sheet 2007, issued by National Bank of Serbia

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Belgrade	<5	2	6	10	18
	5-19	6	2	11	19
	20-99	5	1	9	15
	100+	8	2	15	25
Belgrade Total		21	11	46	77
Central	<5	1	1		2
	5-19	1		2	3
	20-99	1	1	1	3
	100+	3		1	4
Central Total		6	2	4	12
East	<5			2	2
	5-19				0
	20-99	1		1	2
	100+			1	1
East Total		1	0	4	5
South East	<5	2	6	11	19
	5-19	4	1	6	11
	20-99	5	2	3	10
	100+	9		3	12
South East Total		20	9	23	52
Vojvodina	<5		5	4	9
	5-19	5	2	7	14
	20-99	2		4	6
	100+	9		2	11
Vojvodina Total		16	7	17	40
West	<5				
	5-19			1	1
	20-99			1	1
	100+	6			6
West Total		6		2	8
Grand Total		70	29	95	194

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Belgrade	5-19	13	13	17	43
	20-99	10	13	16	39
	100+	8	15	18	41
Belgrade Total		31	41	51	123
Central	5-19	6	6	5	17
	20-99	7	7	5	19
	100+	7	6	5	18
Central Total		20	19	15	54
East	5-19	2	4	2	8
	20-99	2	4	2	8
	100+	3	5	2	10
East Total		7	13	6	26
South East	5-19	4	4	3	11
	20-99	5	5	4	14
	100+	6	5	4	15
South East Total		15	14	11	40
Vojvodina	5-19	11	9	11	31
	20-99	12	8	10	30
	100+	12	7	8	27
Vojvodina Total		35	24	29	88
West	5-19	4	4	2	10
	20-99	4	3	3	10
	100+	4	2	3	9
West Total		12	9	8	29
Grand Total		120	120	120	360

A.24.2. Status codes

TOTAL

Complete interviews (Total)	389
Incomplete interviews	6
Elegible in process	3
Refusals	73
Out of target	104
Impossible to contact	86
Ineligible - coop.	9
Refusal to the Screener	127
Total	797

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	455
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	3
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	4
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	9
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	9
	6. The firm discontinued businesses	62
	7. Not a business: private household	5
	8. Ineligible activity: education, agriculture, finances, governments...	28
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	47
	92. Line out of order	3
	93. No tone	2
	10. Answering machine	0
	11. Fax line - data line	3
	12. Wrong address/ moved away and could not get the new references	31
	13. Refuses to answer the screener	127
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	33
	151. Out of target - outside the covered regions, firm moved abroad	9
	152. Out of target - firm moved abroad	0
Total	830	

PANEL

Complete interviews (Total)	112
Incomplete interviews	1
Elegible in process	1
Refusals	8
Out of target	32
Impossible to contact	10
Ineligible - coop.	4
Refusal to the Screener	15
Total	183

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	116
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	3
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	3
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	22
	7. Not a business: private household	2
	8. Ineligible activity: education, agriculture, finances, governments...	8
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	5
	92. Line out of order	0
	93. No tone	1
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	4
	13. Refuses to answer the screener	15
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	10
	151. Out of target - outside the covered regions, firm moved abroad	4
	152. Out of target - firm moved abroad	0
	Total	193

FRESH

Complete interviews (Total)	276
Incomplete interviews	6
Elegible in process	2
Refusals	65
Out of target	72
Impossible to contact	76
Ineligible - coop.	5
Refusal to the Screener	112
Total	614

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	339
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	3
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	6
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	9
	6. The firm discontinued businesses	40
	7. Not a business: private household	3
	8. Ineligible activity: education, agriculture, finances, governments...	20
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	42
	92. Line out of order	3
	93. No tone	1
	10. Answering machine	0
	11. Fax line - data line	3
	12. Wrong address/ moved away and could not get the new references	27
	13. Refuses to answer the screener	112
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	23
	151. Out of target - outside the covered regions, firm moved abroad	5
	152. Out of target - firm moved abroad	0
	Total	637

A.24.3. Cell weights and universe estimates

Collapsed cell weights (strict)

		Sector		
Region	Employees	Manufacturing	52	Residual
Belgrade	5-19	52	11	80
	20-99	25	3	23
	100+	9	1	4
Central	5-19	52	21	80
	20-99	50	4	64
	100+	32	4	22
East	5-19	87	21	83
	20-99	92	6	58
	100+	53	3	
South East	5-19	105	19	83
	20-99	45	4	30
	100+	11	9	21
Vojvodina	5-19	21	4	15
	20-99	12	2	7
	100+	5	1	4
West	5-19	29	14	55
	20-99	21	4	56
	100+	4	6	5

Collapsed cell weights (median)

		Sector		
Region	Employees	Manufacturing	52	Residual
Belgrade	5-19	67	16	116
	20-99	36	4	38
	100+	13	2	6
Central	5-19	67	25	116
	20-99	56	5	81
	100+	36	4	27
East	5-19	92	23	93
	20-99	102	7	72
	100+	57	4	
South East	5-19	102	19	93
	20-99	46	5	34
	100+	11	9	23
Vojvodina	5-19	23	5	19
	20-99	13	2	10
	100+	5	2	5
West	5-19	34	17	72
	20-99	26	5	76
	100+	5	8	7

Collapsed cell weights (weak)

		Sector		
Region	Employees	Manufacturing	52	Residual
Belgrade	5-19	81	20	141
	20-99	40	5	43
	100+	14	2	7
Central	5-19	81	31	141
	20-99	63	6	92
	100+	38	5	29
East	5-19	103	27	108
	20-99	106	7	76
	100+	57	4	
South East	5-19	118	23	108
	20-99	49	5	37
	100+	11	10	24
Vojvodina	5-19	27	6	23
	20-99	15	2	11
	100+	6	2	5
West	5-19	41	21	87
	20-99	29	6	86
	100+	5	9	7

Serbia universe estimates

Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
10167	12975	15135

A.24.4. Survey and item non-response

The number of contacted establishments per realized interview was 2.05. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units.

A.24.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: Strategic Marketing Country: Serbia Membership of international organization: Activities since: 1997
Name of Project Manager	Snežana Savić
Name and position of other key persons of the project	Researchers, Enumerators, Recruiters
Enumerators involved	Enumerators: 75 Recruiters: 74 Enumerators were part of recruitment
Other staff involved	Fieldwork Coordinators: 8 Editing: 2 Data Entry: 7 Data Processing: 2

Sample Frame

Characteristic of sample frame used	Balance Sheet 2006; issued by National Bank of Serbia Sample frame was aggregated from the Balance Sheet
Source	Issued by National Bank of Serbia
Year of publication	2006

Comments on the quality of the sample frame	Quality very good. The biggest weaknesses are the contact details; missing phone numbers and old addresses.
Year and organisation that conducted the last economic census	None.

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: Scarcity of establishments in retail trade (bigger enterprises because we have in whole country a few big retail trade chains). Due to this, problems experienced in reaching targets for this quota. On regions:
Comments on the response rate	None.
Comments on the sample design	None.

Fieldwork

Date of fieldwork	August 2008 – December 2008
Country	Serbia
Number of interviews	Manufacturing: 132 Services (sector 52): 158 Core: 98
Problems found during fieldwork	None.
Other observations	None.

Questionnaires

Problems for the understanding of questions (write question number)	None.
Problems found in the navigability of questionnaires (for example, skip patterns)	Questionnaire is long and very detailed.
Comments on questionnaire length	Very long and demanding. The respondents were reluctant and lose interest in the survey. Some respondents are getting nervous after 45 minutes and begin to lose their patience. Also respondents' concentration tends to wane and they weren't as interested as at the beginning. On the whole, most questions are easy understandable for well-educated managers. However, some questions are not easy to understand for managers, CEO, owners who are not as well up on managerial matters (small firms where the owners or managers have gained knowledge solely from sector of industry). They had particular problems understanding questions from sections P, G & N.
Suggestions or other comments on the questionnaires	Many details especially for financial figures negatively effect the contact with respondents and lowers their willingness to continue the interview.

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	Data entry took longer than expected.
Comments on the data cleaning	None.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	None.
Relevant country events that occurred during fieldwork	None.
Other aspects	None.

A.25 Slovak Republic

A.25.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The source of the second sample frame was Statistical Office of the Slovak Republic - 2007-Organization database.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 33.5% (344 out of 1027 establishments).

Regional stratification was defined in 4 regions. These regions are Bratislava, Západné Slovensko, Stredné Slovensko, and Východné Slovensko (NUTS-2).

Sectors included in the sample:

Original sectors	Manufacturing: 15, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 63, 72
Added (top up) sectors	None

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Bratislava	5-19	2843	360	4286	7489
	20-99	607	46	749	1402
	100+	187	13	124	324
Bratislava Total		3637	419	5159	9215
Západné Slovensko	5-19	5740	457	5437	11634
	20-99	1378	76	1021	2475
	100+	456	20	174	650
Západné Slovensko Total		7574	553	6632	14759
Stredné Slovensko	5-19	3507	459	4428	8394
	20-99	864	64	758	1686
	100+	255	22	133	410
Stredné Slovensko Total		4626	545	5319	10490
Východné Slovensko	5-19	4709	312	3718	8739
	20-99	1013	43	631	1687
	100+	294	19	109	422
Východné Slovensko Total		6016	374	4458	10848
Grand Total		21853	1891	21568	45312

Source: Statistical Office of the Slovak Republic, Organization database 2007

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Bratislava	<5	1	2	6	9
	5-19	2	7	10	19
	20-99	5		7	12
	100+	3		4	7
Bratislava Total		11	9	27	47
Západné Slovensko	<5			4	4
	5-19		1	5	6
	20-99	1			1
	100+	2		1	3
Západné Slovensko Total		3	1	10	14
Stredné Slovensko	<5		1	3	4
	5-19	2		5	7
	20-99	1		5	6
	100+	3		1	4
Stredné Slovensko Total		6	1	14	20
Východné Slovensko	<5		2	3	5
	5-19	1	2	6	9
	20-99	1		4	5
	100+	1		2	3
Východné Slovensko Total		3	4	15	22
Grand Total		23	15	66	104

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Bratislava	5-19	4	5	5	14
	20-99	3	4	5	12
	100+	4	4	5	13
Bratislava Total		11	13	15	39
Západné Slovensko	5-19	10	10	10	30
	20-99	11	11	10	32
	100+	11	11	11	33
Západné Slovensko Total		32	32	31	95
Stredné Slovensko	5-19	5	6	6	17
	20-99	6	6	6	18
	100+	5	5	5	15
Stredné Slovensko Total		16	17	17	50
Východné Slovensko	5-19	11	9	9	29
	20-99	10	9	9	28
	100+	10	10	9	29
Východné Slovensko Total		31	28	27	86
Grand Total		90	90	90	270

A.25.2. Status codes

TOTAL

Complete interviews (Total)	275
Incomplete interviews	5
Elegible in process	18
Refusals	17
Out of target	113
Impossible to contact	223
Ineligible - coop.	8
Refusal to the Screener	138
Total	797

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	294
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	19
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	18
	6. The firm discontinued businesses	41
	7. Not a business: private household	15
	8. Ineligible activity: education, agriculture, finances, governments...	39
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	85
	92. Line out of order	31
	93. No tone	11
	10. Answering machine	11
	11. Fax line - data line	3
	12. Wrong address/ moved away and could not get the new references	82
	13. Refuses to answer the screener	138
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	230
	151. Out of target - outside the covered regions, firm moved abroad	6
	152. Out of target - firm moved abroad	2
Total	1027	

PANEL

Complete interviews (Total)	33
Incomplete interviews	0
Elegible in process	3
Refusals	5
Out of target	1
Impossible to contact	23
Ineligible - coop.	0
Refusal to the Screener	16
Total	81

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	30
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	10
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	1
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	0
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	16
	92. Line out of order	6
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	1
	13. Refuses to answer the screener	16
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	23
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	104

FRESH

Complete interviews (Total)	242
Incomplete interviews	5
Elegible in process	15
Refusals	12
Out of target	112
Impossible to contact	202
Ineligible - coop.	8
Refusal to the Screener	122
Total	718

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	264
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	1
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	9
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	18
	6. The firm discontinued businesses	40
	7. Not a business: private household	15
	8. Ineligible activity: education, agriculture, finances, governments...	39
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	71
	92. Line out of order	25
	93. No tone	11
	10. Answering machine	11
	11. Fax line - data line	3
	12. Wrong address/ moved away and could not get the new references	81
	13. Refuses to answer the screener	122
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	207
	151. Out of target - outside the covered regions, firm moved abroad	6
	152. Out of target - firm moved abroad	2
	Total	925

A.25.3. Cell weights and universe estimates

Individual cell weights (strict)

Region	Employees	Sector		
		Manufacturing	52	Residual
Bratislava	5-19	207	28	208
	20-99	96	6	41
	100+	30	2	7
Západné Slovensko	5-19	202	24	178
	20-99	64	3	105
	100+	37	1	9
Stredné Slovensko	5-19	178	59	135
	20-99	38	2	40
	100+	15	2	7
Východné Slovensko	5-19	154	9	152
	20-99	43	2	39
	100+	17	1	3

Individual cell weights (median)

		Sector		
Region	Employees	Manufacturing	52	Residual
Bratislava	5-19	275	37	288
	20-99	119	8	52
	100+	37	2	9
Západné Slovensko	5-19	287	34	264
	20-99	84	4	144
	100+	49	1	12
Stredné Slovensko	5-19	345	116	272
	20-99	69	4	75
	100+	26	3	13
Východné Slovensko	5-19	231	14	239
	20-99	60	3	57
	100+	24	1	4

Individual cell weights (weak)

		Sector		
Region	Employees	Manufacturing	52	Residual
Bratislava	5-19	493	70	571
	20-99	188	13	92
	100+	57	4	15
Západné Slovensko	5-19	364	46	371
	20-99	94	5	179
	100+	53	2	15
Stredné Slovensko	5-19	519	184	454
	20-99	91	6	111
	100+	34	5	19
Východné Slovensko	5-19	373	25	427
	20-99	86	5	90
	100+	34	2	7

Slovak Republic universe estimates

Strict individual cell weights	Median individual cell weights	Weak individual cell weights
16938	25625	38723

A.25.4. Survey and item non-response

The number of contacted establishments per realized interview was 3.73. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (3.73) suggests that the main source of error in estimates in the Slovak Republic may be selection bias and not frame inaccuracy.

A.25.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: ACRC s.r.o. Country: Slovak Republic Membership of international organisation: none Activities since: various
Name of Project Manager	
Name and position of other key persons of the project	

Enumerators involved	Enumerators: 74 (there were no enumerators doing recruitment) Recruiters: 2
Other staff involved	Fieldwork Coordinators: 3 Editing: 2 Data Entry: 5 Data Processing: 2

Sample Frame

Characteristic of sample frame used	All requirements were met.
Source	Statistical Office of the Slovak Republic - Organization database (National Register of Businesses)
Year of publication	2007
Comments on the quality of the sample frame	None.
Year and organisation that conducted the last economic census	Slovak Statistical Institute.

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: None. On regions: None.
Comments on the response rate	None.
Comments on the sample design	None.

Fieldwork

Date of fieldwork	August 2008 – February 2009
Country	Slovak Republic
Number of interviews	Manufacturing: 86 Services (sector 52): 97 Core: 92
Problems found during fieldwork	None.
Other observations	None.

Questionnaires

Problems for the understanding of questions (write question number)	None.
Problems found in the navigability of questionnaires (for example, skip patterns)	No problems here.
Comments on questionnaire length	Length was adequate.
Suggestions or other comments on the questionnaires	None.

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	Good feedback generally from team working with CONFIRMIT.
Comments on the data cleaning	None.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	None.
Relevant country events that occurred during fieldwork	None.
Other aspects	None.

A.26 Slovenia

A.26.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The source of the second sample frame was IPIS – Business register of Republic Slovenia (maintained by the Agency of the Republic of Slovenia for Public Legal Records and Related Service).

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 23.37% (399 out of 1707 establishments).

Regional stratification was defined in 2 regions. These regions are Vzhodna Slovenija and Zahodna Slovenija (NUTS-2).

Sectors included in the sample:

Original sectors	Manufacturing: 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) sectors	None

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Vzhodna Slovenija	5-19	718	231	1283	2232
	20-99	483	73	396	952
	100+	271	17	81	369
Vzhodna Slovenija Total		1472	321	1760	3553
Zahodna Slovenija	5-19	829	294	2304	3427
	20-99	411	71	632	1114
	100+	195	31	115	341
Zahodna Slovenija Total		1435	396	3051	4882
Grand Total		2907	717	4811	8435

Source: IPIS June 2007 – Business Register (Agency of the Republic of Slovenia for Public Legal Records and Related Services)

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Vzhodna Slovenija	<5	2	4	9	15
	5-19	3	2	13	18
	20-99	9	1	10	20
	100+	16	1	1	18
Vzhodna Slovenija Total		30	8	33	71
Zahodna Slovenija	1-4	5	2	17	24
	5-19	2	1	15	18
	20-99	3	1	10	14
	100+	9	1	1	11
Zahodna Slovenija Total		19	5	43	67
Grand Total		49	13	76	138

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Vzhodna Slovenija	5-19	16	40	13	69
	20-99	15	8	11	34
	100+	15		14	29
Vzhodna Slovenija Total		46	48	38	132
Zahodna Slovenija	5-19	18	29	17	64
	20-99	14	6	16	36
	100+	12	7	19	38
Zahodna Slovenija Total		44	42	52	138
Grand Total		90	90	90	270

A.26.2. Status codes

TOTAL

Complete interviews (Total)	276
Incomplete interviews	0
Elegible in process	0
Refusals	45
Out of target	244
Impossible to contact	132
Ineligible - coop.	23
Refusal to the Screener	967
Total	1687

ELIGIBLES

Eligible	1. Eligible establishment (Correct name and address)	316
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	5
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	46
	6. The firm discontinued businesses	141
	7. Not a business: private household	3
	8. Ineligible activity: education, agriculture, finances, governments...	54
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	51
	92. Line out of order	27
	93. No tone	0
	10. Answering machine	2
	11. Fax line - data line	11
	12. Wrong address/ moved away and could not get the new references	41
	13. Refuses to answer the screener	967
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	19
	151. Out of target - outside the covered regions, firm moved abroad	23
	152. Out of target - firm moved abroad	0
Total	1707	

PANEL

Complete interviews (Total)	57
Incomplete interviews	0
Elegible in process	0
Refusals	2
Out of target	12
Impossible to contact	4
Ineligible - coop.	0
Refusal to the Screener	63
Total	138

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	54
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	5
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	6
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	6
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	1
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	3
	13. Refuses to answer the screener	63
14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0	
151. Out of target - outside the covered regions, firm moved abroad	0	
152. Out of target - firm moved abroad	0	
Total	138	

FRESH

Complete interviews (Total)	219
Incomplete interviews	0
Elegible in process	0
Refusals	43
Out of target	232
Impossible to contact	128
Ineligible - coop.	23
Refusal to the Screener	904
Total	1549

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	262
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	0
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
Ineligible	16. Panel firm - now less than five employees	0
	5. The establishment has less than 5 permanent full time employees	46
	6. The firm discontinued businesses	135
	7. Not a business: private household	3
Unobtainable	8. Ineligible activity: education, agriculture, finances, governments...	48
	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	50
	92. Line out of order	27
	93. No tone	0
	10. Answering machine	2
	11. Fax line - data line	11
	12. Wrong address/ moved away and could not get the new references	38
	13. Refuses to answer the screener	904
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	19
	151. Out of target - outside the covered regions, firm moved abroad	23
152. Out of target - firm moved abroad	0	
Total	1568	

A.26.3. Cell weights and universe estimates

Individual cell weights (strict)

Region	Employees	Sector		
		Manufacturing	52	Residual
Vzhodna Slovenija	5-19	10	1	18
	20-99	6	1	8
	100+	5		2
Zahodna Slovenija	5-19	9	1	21
	20-99	6	1	9
	100+	4	1	2

Individual cell weights (median)

		Sector		
Region	Employees	Manufacturing	52	Residual
Vzhodna Slovenija	5-19	35	6	58
	20-99	17	6	22
	100+	9		3
Zahodna Slovenija	5-19	48	12	104
	20-99	25	8	35
	100+	11	3	5

Individual cell weights (weak)

		Sector		
Region	Employees	Manufacturing	52	Residual
Vzhodna Slovenija	5-19	37	7	63
	20-99	18	7	24
	100+	10		3
Zahodna Slovenija	5-19	52	13	115
	20-99	26	8	38
	100+	12	4	5

Slovenia universe estimates

Strict individual cell weights	Median individual cell weights	Weak individual cell weights
1745	6744	7332

A.26.4. Survey and item non-response

The number of contacted establishments per realized interview was 6.18. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (6.18) suggests that the main source of error in estimates in the Slovenia may be selection bias and not frame inaccuracy.

A.26.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: RM PLUS d.o.o. Country: Slovenia Membership of international organisation: ESOMAR Activities since: 1999
Name of Project Manager	Branko Znuderl
Name and position of other key persons of the project	
Enumerators involved	Enumerators: 18 Recruiters: 6
Other staff involved	Fieldwork Coordinators: 1; Editing: 1 Data Entry: (CAPI – done by enumerators) Data Processing: 1

Sample Frame

Characteristic of sample frame used	Register of companies
Source	IPIS – Business register of Republic Slovenia
Year of publication	June 2007

Comments on the quality of the sample frame	Register is created on basis of data from Statistical Office of Republic of Slovenia, Tax Administration of Republic of Slovenia.
Year and organisation that conducted the last economic census	Above mentioned database includes all companies, therefore is also source of economic census data.

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: Difficulty completing sector 52 target. On regions: Western Slovenia region was more challenging.
Comments on the response rate	None.
Comments on the sample design	None.
Other comments	Only approximately 7% of companies in sample source have telephone number information.

Fieldwork

Date of fieldwork	September 2008 – March 2009
Country	Slovenia
Number of interviews	Manufacturing: 102 Services (sector 52): 101 Core: 73
Problems found during fieldwork	Main problem was companies' lack of interest in partaking in the study.
Other observations	None.

Questionnaires

Problems for the understanding of questions (write question number)	Main problems have been with questions which demanded concrete financial figures. Otherwise questionnaire was well designed and most respondents find it interesting.
Problems found in the navigability of questionnaires (for example, skip patterns)	No problems here.
Comments on questionnaire length	Questionnaire was in some cases considered to be intensive.
Suggestions or other comments on the questionnaires	None.

Database

Data entry program chosen	WEB CATI (CAPI)
Comments on the data entry program	Data entry was done at time of interviewing (CAPI).
Comments on the data cleaning	None.

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	Low interest among companies to be included in project, even with clear reference to World Bank and EBRD.
Relevant country events that occurred during fieldwork	None.
Other aspects	None.

A.27 Tajikistan

A.27.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel.

The source of the second sample frame was the National Statistics Committee of Tajikistan (2008).

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 19% (126 out of 672 establishments).

Regional stratification was defined in 4 regions (oblasts). These regions are Capital (Dushanbe), Sogdiskaya oblast, Khatlonskaya oblast, and RRP (Region of Republican Subordination).

Official provinces	Grouping used for stratification purposes in BEEPS IV
Sughd	Sughd
RRP – Region of Republican Subordination	RRP – Region of Republican Subordination Dushanbe
Khatlon	Khatlon
Gorno-Badakhshan Autonomous Province	Not covered – only 3% of population

Sectors included in the sample:

Original sectors	Manufacturing: 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 32, 33, 35, 36 Services: 52 Residual: 45, 50, 51, 55, 60, 62, 63, 64
Added (top up) sectors	At the end of the fieldwork ISIC sector 51 was used for the services sector to achieve the service target due to the shortage of addresses for sector 52

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Capital (Dushanbe)	5-19	116	74	325	515
	20-99	48	3	103	154
	100+	39	1	53	93
Capital (Dushanbe) Total		203	78	481	762
Sogdiskaya oblast	5-19	101	24	121	246
	20-99	59	2	78	139
	100+	63	3	24	90
Sogdiskaya oblast Total		223	29	223	475
Khatlonskaya oblast	5-19	13	14	57	84
	20-99	13	2	20	35
	100+	8		3	11
Khatlonskaya oblast Total		34	16	80	130
RRP	5-19	36	29	106	171
	20-99	20	9	41	70
	100+	14		9	23
RRP Total		70	38	156	264
Grand Total		530	161	940	1631

Source: Register of establishment of Tajikistan, National Statistics Committee of Tajikistan, 2008

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Capital (Dushanbe)	2-49			7	7
	50-99	19			19
	100+		5	16	21
Capital (Dushanbe) Total		19	5	23	47
Sogdiskaya oblast	2-49			6	6
	50-99	16			16
	100+		4	15	19
Sogdiskaya oblast Total		16	4	21	41
Khatlonskaya oblast	2-49			5	5
	50-99	13			13
	100+		5	12	17
Khatlonskaya oblast Total		13	5	17	35
RRP	2-49				
	50-99	2			2
	100+			1	1
RRP Total		2		1	3
Grand Total		50	14	62	126

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Capital (Dushanbe)	5-19	11	11	11	33
	20-99	11	11	11	33
	100+	8	8	8	24
Capital (Dushanbe) Total		30	30	30	90
Sogdiskaya oblast	5-19	11	11	11	33
	20-99	11	11	11	33
	100+	8	8	8	24
Sogdiskaya oblast Total		30	30	30	90
Khatlonskaya oblast	5-19	11	11	11	33
	20-99	11	11	11	33
	100+	8	8	8	24
Khatlonskaya oblast Total		30	30	30	90
RRP	5-19	11	11	11	33
	20-99	11	11	11	33
	100+	8	8	8	24
RRP Total		30	30	30	90
Grand Total		120	120	120	360

A.27.2. Status codes

TOTAL

Complete interviews (Total)	360
Incomplete interviews	1
Elegible in process	0
Refusals	12
Out of target	126
Impossible to contact	148
Ineligible - coop.	3
Refusal to the Screener	22
Total	672

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	314
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	2
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	13
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	44
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	3
	6. The firm discontinued businesses	104
	7. Not a business: private household	1
	8. Ineligible activity: education, agriculture, finances, governments...	18
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	0
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	148
	13. Refuses to answer the screener	22
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	3
	152. Out of target - firm moved abroad	0
Total	672	

PANEL

Complete interviews (Total)	67
Incomplete interviews	0
Elegible in process	0
Refusals	3
Out of target	19
Impossible to contact	12
Ineligible - coop.	2
Refusal to the Screener	2
Total	105

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	54
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	5
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	10
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	14
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	5
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	0
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	12
	13. Refuses to answer the screener	2
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	2
	152. Out of target - firm moved abroad	0
Total	105	

FRESH

Complete interviews (Total)	293
Incomplete interviews	1
Elegible in process	0
Refusals	9
Out of target	107
Impossible to contact	136
Ineligible - coop.	1
Refusal to the Screener	20
Total	567

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	260
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	8
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	34
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	3
	6. The firm discontinued businesses	90
	7. Not a business: private household	1
	8. Ineligible activity: education, agriculture, finances, governments...	13
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	0
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	136
	13. Refuses to answer the screener	20
	14. In process (<i>the establishment is being called/ is being contacted - previous to ask the screener</i>)	0
	151. Out of target - outside the covered regions, firm moved abroad	1
	152. Out of target - firm moved abroad	0
	Total	567

A.27.3. Cell weights and universe estimates

Collapsed cell weights (strict)

Region	Employees	Sector		
		Manufacturing	52	Residual
Capital (Dushanbe)	5-19	10	1	9
	20-99	3	1	5
	100+	2	1	7
Sogdiskaya oblast	5-19	4	1	5
	20-99	5	1	2
	100+	5	1	1
Khatlonskaya oblast	5-19	1	1	2
	20-99	1	1	1
	100+	1		1
RRP	5-19	1	1	9
	20-99	1	2	2
	100+	1		1

Collapsed cell weights (median)

Region	Employees	Sector		
		Manufacturing	52	Residual
Capital (Dushanbe)	5-19	11	1	10
	20-99	3	1	6
	100+	2	1	8
Sogdiskaya oblast	5-19	4	1	5
	20-99	5	1	3
	100+	5	1	2
Khatlonskaya oblast	5-19	1	1	2
	20-99	1	1	1
	100+	1		1
RRP	5-19	1	1	10
	20-99	1	2	2
	100+	1		1

Collapsed cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
Capital (Dushanbe)	5-19	20	2	16
	20-99	4	1	7
	100+	3	1	10
Sogdiskaya oblast	5-19	7	1	9
	20-99	6	1	3
	100+	6	1	2
Khatlonskaya oblast	5-19	1	2	3
	20-99	1	2	1
	100+	1		1
RRP	5-19	2	1	16
	20-99	1	2	2
	100+	1		1

Tajikistan universe estimates

Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
916	976	1342

A.27.4. Survey and item non-response

The number of contacted establishments per realized interview was 1.87. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (1.87) suggests that the main source of error in estimates in the Tajikistan may be selection bias and not frame inaccuracy.

A.27.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: The Center of Sociological Research "Zerkalo" Country: Tajikistan Membership of international organization: No Activities since: 1999
Name of Project Manager	
Name and position of other key persons of the project	

Enumerators involved	Enumerators: 31 Recruiters: 4 Some of the interviewers were involved in recruitment activities.
Other staff involved	Fieldwork Coordinators: 5 Editing: 2 people Data Entry: 4 people Data Processing: N/A

Sample Frame

Characteristic of sample frame used	For the sample frame the Register of establishments of Tajikistan was used. The data was obtained from the National Statistics Committee of Tajikistan. The data base was issued in 2008, but the data is from 2007.
Source	Register of establishments of Tajikistan, National Statistical Committee of Tajikistan
Year of publication	2008
Comments on the quality of the sample frame	During the sample checking it turned out that only 11% of the addresses were valid. Whilst not ideal, this was still the only available frame and it was therefore used. The level of ineligible firms is dealt with in the universe estimation. It transpired during the survey that the database provided is based on information that was submitted by the businesses when they were established and no further follow-up information is available by the National Statistical Committee of Tajikistan. Due to this, several difficulties were encountered while finding businesses from the data base.
Year and organisation that conducted the last economic census	N/A

Sample

Comments/problems on sectors and regions selected in the sample	<i>On sectors:</i> From the very beginning it was clear that for the services sector there were not enough addresses to achieve the required target. For example in the RRP region, there were no establishments that had 100 or more employees in the sample, but according to the requested target local institute was required to interview 8 establishments in this cell. In addition, in the remaining regions for the Services Sector there were establishments without enough preferences because many of the addresses were not valid and we also experienced several refusals. All of these factors prevented the timely completion of the fieldwork. <i>On regions:</i> The sample distribution according to the number of interviews among the regions was equal. However, not all of these regions are equally developed economically. This fact was not taken into consideration while designing the sample. This fact created problems for the fieldwork as interviewers lost much time searching for establishments in operation.
Comments on the response rate	During the fieldwork, 678 establishments were contacted.
Comments on the sample design	N/A

Fieldwork

Date of fieldwork	April - August 2008
Country	Tajikistan
Number of interviews	Manufacturing: 116 Services (sector 52): 151 Core: 93
Problems found during fieldwork	There were problems tracing the addresses from the sample. Also, there were problems getting appointments as the top managers were busy or had no desire to participate in the survey.
Other observations	Due to the difficulties regarding the validity of the sample (addresses), some interviewers were dropped from the project.

Questionnaires

Problems for the understanding of questions (write question number)	Response rate for the questions n6 and n7 were low, because respondents didn't want to answer these questions Services questionnaire TJJ: the term inventory in d17 was not always perceived correctly, because this word has another meaning also.
Problems found in the navigability of questionnaires (for example, skip patterns)	No special problems encountered
Comments on questionnaire length	The questionnaire is too long; the average duration of the interview is 70 minutes. Respondents were tired during the interview and became irritated.
Suggestions or other comments on the questionnaires	N/A

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	N/A
Comments on the data cleaning	N/A

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	The economic situation is characterized by high administrative regulation, state intervention in business affairs, high level of corruption and the 'shadow' economy. All these factors are causing negative attitudes towards survey research among the business community. Businessmen are negatively disposed to any questions from third parties and are not willing to share information and find it difficult to recognize the benefit of partaking in the survey. Thus, conducting B2B survey among Tajik businesses is considerably difficult.
Relevant country events that occurred during fieldwork	In June, 2008 the president announced a moratorium for two years to inspect privately-owned businesses in Tajikistan by the tax authorities.
Other aspects	N/A

A.28 Turkey

A.28.1. Sampling structure and implementation

Three sample frame sources were used. The first sample frame was supplied by the World Bank and consisted of enterprises interviewed in Investment Climate Survey in 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the Investment Climate Survey 2005 where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. Universe estimates were taken from the TOBB database which contains a full list of establishments in manufacturing sectors. TOBB refers to the Union of Chambers and Commodity Exchanges of Turkey. Universe estimates for service sectors were taken from the Statistical Institute of Statistics (SIS) with additional information based on SIC code from the Turkish Studies Institute (TSI). Comparisons were made between estimates in TOBB and SIS to establish that the two sources are comparable and hence can be used side by side.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 43% (2811 out of 6458 establishments).

Regional stratification was defined in 5 regions. These regions are Marmara, Aegean, South, Central Anatolia and Black Sea-Eastern.

Grouping used for stratification purposes in BEEPS IV	Administrative regions	Provinces
Aegean	Aegean	Afyonkarahisar, Aydin, Denizli, Izmir, Kutahya, Manisa, Mugla, Usak
Black Sea - Eastern	Black Sea	Amasya, Artvin, Bayburt, Corum, Giresun, Gumushane, Ordu, Rize, Samsun, Sinop, Sivas (part), Tokat, Trabzon, Bartin, Bolu, Duzce, Karabuk, Kastamonu, Zonguldak
	Eastern Anatolia	Agri, Ardahan, Bingol, Bitlis, Elazig, Erzincan, Erzurum, Hakkari, Igrid, Kars, Malatya, Mus, Tunceli, Van
Central Anatolia	Central Anatolia	Aksaray, Ankara, Cankiri, Eskisehir, Karaman, Kayseri, Kirikkale, Konya, Nevsehir, Nigde, Sivas, Yozgat
Marmara	Marmara	Balikesir, Bilecik, Bursa, Canakkale, Edirne, Istanbul, Kirklareli, Kocaeli, Sakarya, Tekirdag, Yalova
South	Mediterranean	Adana, Antalya, Burdur, Hatay, Isparta, Kahramanmaras, Mersin, Osmaniye
	Southeastern Anatolia	Adiyaman, Batman, Diyarbakir, Gaziantep, Kilis, Mardin, Sanliurfa, Siirt, Sirnak

Sectors included in the sample:

Original sectors	Manufacturing: 15, 17, 18, 24, 25, 26, 27, 28, 29, 31 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) sectors	None.

Fresh sample frame

Region	Employees	Sector								Grand Total
		15	17	18	24	26	52	Other Manufacturing	Residual	
Marmara	5-19	2060	3299	3697	716	363	8801	8344	4244	31524
	20-99	580	1579	3569	320	266	1650	4899	882	13745
	100+	141	389	692	107	64	550	942	276	3161
Marmara Total		2781	5267	7958	1143	693	11001	14185	5402	48430
Aegean	5-19	1496	642	222	190	163	2601	2051	1018	8383
	20-99	398	564	475	73	238	488	1257	224	3717
	100+	122	204	164	26	48	163	305	75	1107
Aegean Total		2016	1410	861	289	449	3252	3613	1317	13207
South	5-19	826	718	122	172	82	878	1439	365	4602
	20-99	180	426	96	22	50	165	386	77	1402
	100+	27	155		10	3	55	39	24	313
South Total		1033	1299	218	204	135	1098	1864	466	6317
Central Anatolia	5-19	1971	143	166	284	223	0	4388	0	7175
	20-99	392	113	258	63	194	0	1933	0	2953
	100+	84	60	78	11	42	0	321	0	596
Central Anatolia Total		2447	316	502	358	459	0	6642	0	10724
Black Sea-Eastern	5-19	596	55	40	47	83	0	682	0	1503
	20-99	188	33	58	3	40	0	194	0	516
	100+	27	16	26	5	1	0	30	0	105
Black Sea-Eastern Total		811	104	124	55	124	0	906	0	2124
Grand Total		9088	8396	9663	2049	1860	21015	27210	9586	80802

Source: TOBB 2007 and SIS 2006

Panel sample frame

		Sector								
Region	Employees	15	17	18	24	26	52	Other Manufacturing	Residual	Grand Total
Marmara	<5	2	1	5	2	0	0	3	0	13
	5-19	21	16	13	7	3	0	29	0	89
	20-99	39	33	58	18	14	0	68	0	230
	100+	42	54	89	27	7	0	77	0	296
Marmara Total		104	104	165	54	24	0	177	0	628
Aegean	<5	3	0	0	1	0	0	2	1	7
	5-19	21	3	2	2	1	0	11	0	40
	20-99	15	3	14	4	5	0	25	0	66
	100+	26	16	10	5	4	0	34	0	95
Aegean Total		65	22	26	12	10	0	72	1	208
South	<5	1	0	0	0	1	0	4	0	6
	5-19	5	0	1	1	3	0	30	0	40
	20-99	8	6	1	4	5	0	27	0	51
	100+	8	14	2	4	3	0	12	0	43
South Total		22	20	4	9	12	0	73	0	140
Central Anatolia	<5	3	0	0	2	0	0	6	0	11
	5-19	15	1	0	3	2	1	52	0	74
	20-99	37	1	1	11	5	0	39	0	94
	100+	23	5	3	4	4	0	34	1	74
Central Anatolia Total		78	7	4	20	11	1	131	1	253
Black Sea - Eastern	<5	2	0	0	2	0	0	4	0	8
	5-19	2	0	2	5	2	0	20	0	31
	20-99	9	4	1	1	7	0	16	1	39
	100+	1	5	3	1	2	0	4	0	16
Black Sea - Eastern Total		14	9	6	9	11	0	44	1	94
Grand Total		283	162	205	104	68	1	497	3	1323

Source: World Bank Investment Climate Survey 2005

Original sample design

Region	Employees	Sector								Grand Total
		15	17	18	24	26	52	Other Manufacturing	Residual	
Marmara	5-19	15	14	25	31	17	15	5	16	138
	20-99	10	29	24	41	30	25	17	16	192
	100+	16	31	35	19	8	25	12	17	163
Marmara Total		41	74	84	91	55	65	34	49	493
Aegean	5-19	7	8	5	10	17	8	5	6	66
	20-99	10	10	12	13	26	5	6	5	87
	100+	6	12	15	0	0	5	10	5	53
Aegean Total		23	30	32	23	43	18	21	16	206
South	5-19	12	5	10	17	10	3	15	11	83
	20-99	11	17	8	0	5	2	5	9	57
	100+	0	14	0	0	0	2	0	5	21
South Total		23	36	18	17	15	7	20	25	161
Central Anatolia	5-19	23	5	7	17	19	11	15	7	104
	20-99	15	5	14	7	18	6	0	6	71
	100+	10	5	0	0	0	6	10	5	36
Central Anatolia Total		48	15	21	24	37	23	25	18	211
Black Sea-Eastern	5-19	15	5	0	5	10	3	5	5	48
	20-99	10	0	5	0	0	2	15	6	38
	100+	0	0	0	0	0	2	0	1	3
Black Sea-Eastern Total		25	5	5	5	10	7	20	12	89
Grand Total		160	160	160	160	160	120	120	120	1160

A.28.2. Cell weights and universe estimates

Individual cell weights (strict)

Region	Employees	Sector							
		15	17	18	24	26	52	Other Manufacturing	Residual
Marmara	5-19	77	83	101	24	13	235	229	67
	20-99	10	19	49	4	5	59	75	16
	100+	3	4	8	4	4	18	8	6
Aegean	5-19	55	23	35	8	4	270	43	65
	20-99	20	17	22	3	3	128	29	15
	100+	4	2	4	3	3	3	18	12
South	5-19	57	22	8	16	8	201	68	29
	20-99	10	3	9	3	9	61	25	7
	100+	3	1	23	7	17	33	11	12
Central Anatolia	5-19	18	55	6	5	4	63	29	22
	20-99	3	44	6	1	2	28	6	5
	100+	1	12	1	1	4	4	1	2
Black Sea-Eastern	5-19	57	22	8	16	8	201	68	29
	20-99	10	3	9	3	9	61	25	7
	100+	3	1	23	7	17	33	11	12

Individual cell weights (median)

Region	Employees	Sector							
		15	17	18	24	26	52	Other Manufacturing	Residual
Marmara	5-19	101	122	164	28	15	350	377	89
	20-99	14	32	90	5	6	99	138	25
	100+	5	7	16	5	5	34	16	11
Aegean	5-19	61	29	49	8	3	346	61	75
	20-99	25	23	34	3	4	184	46	19
	100+	6	4	7	3	4		31	17
South	5-19	71	30	13	18	9	283	107	37
	20-99	14	5	15	4	11	85	44	10
	100+	5	2	43	10	22	47	21	19
Central Anatolia	5-19	22	77	10	5	4	89	46	29
	20-99	4	69	10	2	2	44	11	7
	100+	1	21		1		7	1	4
Black Sea-Eastern	5-19	71	30	13	18	9	283	107	37
	20-99	14	5	15	4	11	85	44	10
	100+	5	2	43		22	47	21	19

Individual cell weights (weak)

Region	Employees	Sector							
		15	17	18	24	26	52	Other Manufacturing	Residual
Marmara	5-19	112	132	207	29	16	382	404	95
	20-99	16	35	116	5	7	110	151	27
	100+	5	8	20	5	5	36	17	11
Aegean	5-19	67	31	62	8	4	374	65	80
	20-99	28	25	44	3	4	202	49	20
	100+	7	4	9	4	4		33	18
South	5-19	78	32	16	19	9	283	113	39
	20-99	16	6	19	4	12	85	47	10
	100+	6	2	54	10	23	47	22	19
Central Anatolia	5-19	25	84	12	6	4	98	49	31
	20-99	5	76	13	2	2	49	12	7
	100+	1	22		1		7	1	4
Black Sea-Eastern	5-19	78	32	16	19	9	283	113	39
	20-99	16	6	19	4	12	85	47	10
	100+	6	2	54		23	47	22	19

Turkey universe estimates

Strict individual cell weights	Median individual cell weights	Weak individual cell weights
35347	53009	57976

A.28.3. Survey and item non-response

The number of contacted establishments per realized interview was 5.60. Details on rejections rates, eligibility rates, and item non-response are available at the strata level. This report summarizes these numbers to alert researchers of these issues when using the data and when making inferences. Item non-response, selection bias, and faulty sampling frames are not unique to the Republic of Turkey. All enterprise surveys suffer from these shortcomings but in very few cases they have been made explicit.

A.28.4. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency 1	Name: TNS Piar Country: Turkey Member of the Gallup International Association Alliance with TNS Worldwide Activities since: 1975
Name of Project Manager	
Name and position of other key persons of the project	
Enumerators involved	Enumerators: 40 Recruiters: 17
Other staff involved	Fieldwork Coordinators: 17 people Editing: 3 people Data Entry: 5 people Data Processing: 2 people

Local agency 2	Name: Ipsos KMG Country: Turkey Member of the ESOMAR Activities since: 2001
Name of Project Manager	
Name and position of other key persons of the project	
Enumerators involved	Enumerators: 40 Recruiters: 20
Other staff involved	Fieldwork Coordinators: 3 people Editing: 3 people Data Entry: 5 people Data Processing: 2 people

Sample Frame

Characteristic of sample frame used	Sample frame is based on official data from Union of Chambers and Commodity Exchanges of Turkey and Statistical Institute of Statistics (SIS) of Turkey with additional information based on SIC code from the Turkish Studies Institute.
Source	
Year of publication	Data from TOBB database is from 2007. Data from the Statistical Institute of Statistics (SIS) is from 2006.
Comments on the quality of the sample frame	N/A
Year and organisation that conducted the last economic census	N/A

Sample

Comments/problems on sectors and regions selected in the sample	On sectors: - On regions: -
Comments on the response rate	The response rate in this survey it was good. Usually, according to the implementing contractors' experience, the target group for ES, top-managers, is very difficult to reach and convince to participate in the survey. The timing of the fieldwork, i.e. during the holiday season in Turkey made it extremely difficult to reach the target. The panel list did not have any contact information for the firms. The contact information was retrieved through the Internet by the field teams.
Comments on the sample design	N/A

Fieldwork

Date of fieldwork	April 2008 – January 2009
Country	Turkey
Number of interviews	Manufacturing: 860 Services (sector 52): 165 Core: 127
Problems found during fieldwork	<ul style="list-style-type: none">• It was hard to convince the top-managers to partake in the survey;• Most of the respondents hesitated to give the financial information of their establishments;• The field team had a difficult time convincing especially the small-scale establishments to participate in the survey;
Other observations	N/A

Questionnaires

Problems for the understanding of questions (write question number)	No special problems encountered.
Problems found in the navigability of questionnaires (for example, skip patterns)	No special problems encountered.
Comments on questionnaire length	Most of the respondents have found the questionnaire very long and they got tired during the interview. Some of them interrupted the interview because of the length.
Suggestions or other comments on the questionnaires	N/A

Database

Data entry program chosen	N/A
Comments on the data entry program	N/A
Comments on the data cleaning	N/A

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	Because of the declining economy in Turkey in the last 7 years (since 2001 economic crises), a lot of establishments were bankrupt or closed. This is a factor that could be noted during the analysis of the survey results.
Relevant country events that occurred during fieldwork	None.
Other aspects	None.

A.29 Ukraine

A.29.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The source of the second sample frame was the State Statistics Committee of Ukraine.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 11% (260 out of 2,393 establishments).

Regional stratification was defined in 5 regions. These regions are North, South, East, West and Kiev.

Oblast	Grouping used for stratification purposes in BEEPS IV
Kyiv	Kyiv
Kyivska	
Dnipropetrovska	East
Donetska	
Kharkivska	
Luhanska	
Sumska	
Zaporizka	
Chernivetska	
Ivano-Frankivska	
Khmelnyska	
Lvivska	
Rivnenska	
Ternopilska	
Volynska	
Zakarpatska	
Autonomous Republic of Crimea	South
Khersonska	
Mykolayivska	
Odeska	
Sevastopol	
Cherkaska	North
Chernihivska	
Kirovohradska	
Poltavska	
Vinnytska	
Zhytomyrska	

Sectors included in the sample:

Original sectors	Manufacturing: 15, 17, 18, 24, 25, 26, 27, 28, 29, 31 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) sectors	None.

Fresh sample frame

		Sector						
Region	Employees	15	18	29	52	Other manufacturing	Residual	Grand Total
North	5-19	234	80	139	1026	1148	3823	6450
	20-99	306	143	150	504	740	1772	3615
	100+	301	42	66	72	289	319	1089
North Total		841	265	355	1602	2177	5914	11154
West	5-19	405	195	140	1705	1864	5817	10126
	20-99	404	165	115	689	1222	2542	5137
	100+	245	81	62	97	454	500	1439
West Total		1054	441	317	2491	3540	8859	16702
East	5-19	434	213	519	2031	2271	10338	15806
	20-99	364	120	391	745	1469	3921	7010
	100+	319	33	223	145	761	799	2280
East Total		1117	366	1133	2921	4501	15058	25096
South	5-19	301	65	159	1102	999	5001	7627
	20-99	218	73	97	354	512	1998	3252
	100+	152	14	55	83	182	421	907
South Total		671	152	311	1539	1693	7420	11786
Kiev	5-19	180	119	236	1191	2114	9562	13402
	20-99	190	25	161	442	1177	3423	5418
	100+	131	21	44	111	372	735	1414
Kiev Total		501	165	441	1744	3663	13720	20234
Grand Total		4184	1389	2557	10297	15574	50971	84972

Source: State Committee of Statistics of Ukraine (2007)

Panel sample frame

		Sector						
Region	Employees	15	18	29	52	Other manufacturing	Residual	Grand Total
North	5-19						10	10
	20-99	3	2	1		10		16
	100+				6		10	16
North Total		3	2	1	6	10	20	42
West	5-19						10	10
	20-99	3	1			19		23
	100+				16		17	33
West Total		3	1		16	19	27	66
East	5-19						33	33
	20-99	6	9	2		52		69
	100+				34		50	84
East Total		6	9	2	34	52	83	186
South	5-19						7	7
	20-99	8				9		17
	100+				3		21	24
South Total		8			3	9	28	48
Kiev	5-19						3	3
	20-99	5	5			19		29
	100+				10		35	45
Kiev Total		5	5		10	19	38	77
Grand Total		25	17	3	69	109	196	419

Source: BEEPS 2005

Original sample design

		Sector						
Region	Employees	15	18	29	52	Other manufacturing	Residual	Grand Total
North	5-19	12	12	12	9	9	9	63
	20-99	12	12	12	9	9	9	63
	100+	8	8	8	6	6	6	42
North Total		32	32	32	24	24	24	168
West	5-19	12	12	12	9	9	9	63
	20-99	12	12	12	9	9	9	63
	100+	8	8	8	6	6	6	42
West Total		32	32	32	24	24	24	168
East	5-19	12	12	12	9	9	9	63
	20-99	12	12	12	9	9	9	63
	100+	8	8	8	6	6	6	42
East Total		32	32	32	24	24	24	168
South	5-19	12	12	12	9	9	9	63
	20-99	12	12	12	9	9	9	63
	100+	8	8	8	6	6	6	42
South Total		32	32	32	24	24	24	168
Kiev	5-19	12	12	12	9	9	9	63
	20-99	12	12	12	9	9	9	63
	100+	8	8	8	6	6	6	42
Kiev Total		32	32	32	24	24	24	168
Grand Total		160	160	160	120	120	120	840

A.29.2. Status codes

TOTAL

Complete interviews (Total)	851
Incomplete interviews	15
Elegible in process	0
Refusals	333
Out of target	260
Impossible to contact	614
Ineligible - coop.	34
Refusal to the Screener	1
Total	2108

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	1165
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	6
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	9
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	16
	16. Panel firm - now less than five employees	3
Ineligible	5. The establishment has less than 5 permanent full time employees	5
	6. The firm discontinued businesses	121
	7. Not a business: private household	97
	8. Ineligible activity: education, agriculture, finances, governments...	37
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	320
	92. Line out of order	66
	93. No tone	113
	10. Answering machine	17
	11. Fax line - data line	1
	12. Wrong address/ moved away and could not get the new references	97
	13. Refuses to answer the screener	1
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	285
	151. Out of target - outside the covered regions, firm moved abroad	33
	152. Out of target - firm moved abroad	1
Total	2393	

PANEL

Complete interviews (Total)	120
Incomplete interviews	0
Elegible in process	0
Refusals	73
Out of target	32
Impossible to contact	67
Ineligible - coop.	1
Refusal to the Screener	0
Total	293
	120

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	175
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	1
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	5
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	9
	16. Panel firm - now less than five employees	3
Ineligible	5. The establishment has less than 5 permanent full time employees	1
	6. The firm discontinued businesses	12
	7. Not a business: private household	14
	8. Ineligible activity: education, agriculture, finances, governments...	5
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	40
	92. Line out of order	2
	93. No tone	7
	10. Answering machine	1
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	17
	13. Refuses to answer the screener	0
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	37
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	1
	Total	330

FRESH

Complete interviews (Total)	731
Incomplete interviews	15
Elegible in process	0
Refusals	260
Out of target	228
Impossible to contact	547
Ineligible - coop.	33
Refusal to the Screener	1
Total	1815

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	990
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	5
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	4
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	7
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	4
	6. The firm discontinued businesses	109
	7. Not a business: private household	83
	8. Ineligible activity: education, agriculture, finances, governments...	32
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	280
	92. Line out of order	64
	93. No tone	106
	10. Answering machine	16
	11. Fax line - data line	1
	12. Wrong address/ moved away and could not get the new references	80
	13. Refuses to answer the screener	1
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	248
	151. Out of target - outside the covered regions, firm moved abroad	33
	152. Out of target - firm moved abroad	0
Total	2063	

A.29.3. Cell weights and universe estimates

Collapsed cell weights (strict)

Region	Employees	Sector					
		15	18	29	52	Other manufacturing	Residual
North	5-19	10	3	7	33	62	266
	20-99	18	6	6	79	36	174
	100+	23	3	3	10	36	31
West	5-19	15	7	5	59	61	315
	20-99	13	6	4	29	60	245
	100+	12	5	3	9	38	55
East	5-19	17	9	41	125	138	485
	20-99	19	6	28	46	94	216
	100+	28	2	18	21	154	177
South	5-19	14	2	8	68	138	485
	20-99	10	5	5	44	45	172
	100+	13	2	5	7	25	63
Kiev	5-19	6	4	13	63	165	266
	20-99	11	2	9	26	65	325
	100+	9	2	3	14	37	94

Collapsed cell weights (median)

Region	Employees	Sector					
		15	18	29	52	Other manufacturing	Residual
North	5-19	10	3	8	34	63	270
	20-99	18	6	6	80	36	173
	100+	24	3	3	10	36	31
West	5-19	16	7	5	61	63	322
	20-99	13	6	4	30	60	246
	100+	12	5	4	9	39	57
East	5-19	18	9	42	129	141	493
	20-99	19	6	27	46	94	215
	100+	29	2	18	21	156	179
South	5-19	14	2	8	71	141	493
	20-99	11	5	5	45	46	173
	100+	14	2	5	8	25	64
Kiev	5-19	6	4	13	65	167	270
	20-99	11	2	9	26	65	323
	100+	9	2	3	14	38	95

Collapsed cell weights (weak)

Region	Employees	Sector					
		15	18	29	52	Other manufacturing	Residual
North	5-19	19	4	12	66	111	398
	20-99	33	10	9	150	62	272
	100+	40	4	5	17	57	45
West	5-19	34	13	9	132	125	579
	20-99	27	10	7	63	117	433
	100+	23	9	6	17	69	91
East	5-19	26	12	53	195	195	617
	20-99	27	8	34	69	128	267
	100+	38	3	21	29	190	200
South	5-19	21	3	10	104	195	617
	20-99	15	6	6	65	61	209
	100+	18	3	6	10	30	70
Kiev	5-19	9	6	17	102	243	398
	20-99	17	2	11	41	92	417
	100+	12	2	4	20	49	111

Ukraine universe estimates

Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
50467	51162	73545

A.29.4. Survey and item non-response

The number of contacted establishments per realized interview was 2.48. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (2.48) suggests that the main source of error in estimates in the Ukraine may be selection bias and not frame inaccuracy.

A.29.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: Ukrainian Marketing Project Country: Ukraine Membership of international organization: ESOMAR Activities since: November 1996
Name of Project Manager	
Name and position of other key persons of the project	
Enumerators involved	Enumerators: 152 Recruiters: 1
Other staff involved	Fieldwork Coordinators: 3 Editing: 2 Data Entry: 3 people Data Processing: 0

Sample Frame

Characteristic of sample frame used	Sample frame is based on official data from State Statistics Committee of Ukraine published in 2007.
Source	State Statistics Committee of Ukraine
Year of publication	The data base was issued in 2007, but the data refers to 2006.

Comments on the quality of the sample frame	In panel sample there are almost 8% of government enterprises. A large number of establishments changed activity as indicated below in comments on sample selected. Incorrect telephone numbers (private household numbers, changed numbers, not replying ...), reorganization and businesses discontinued.
Year and organisation that conducted the last economic census	All-Ukrainian Population Census took place on December 5, 2001 and was conducted by State Statistics Committee of Ukraine.

Sample

Comments/problems on sectors and regions selected in the sample	For sectors: a lot of enterprises changed their activity, particularly small (5 - 19) and middle-sized (20 - 99) manufacturing enterprises.
Comments on the response rate	Response rate level hampered by vacation period. There was a high refusal level in Western region.
Comments on the sample design	It was easy to implement.

Fieldwork

Date of fieldwork	May - August 2008
Country	Ukraine
Number of interviews	Manufacturing: 487 Services (sector 52): 182 Core: 182
Problems found during fieldwork	Many respondents refused after having agreed to being interviewed. Questions about financial indicators put respondents on their guard, and some refused to answer these questions.
Other observations	N/A

Questionnaires

Problems for the understanding of questions (write question number)	All questions were easy to understand.
Problems found in the navigability of questionnaires (for example, skip patterns)	No special problems encountered.
Comments on questionnaire length	Questionnaires are very long and in some cases it was difficult to keep respondent's attention.
Suggestions or other comments on the questionnaires	N/A

Database

Data entry program chosen	CONFIRMIT
Comments on the data entry program	N/A
Comments on the data cleaning	N/A

Country situation

General aspects of economic, political or social situation of the country that could affect the results of the survey	None.
Relevant country events that occurred during fieldwork	Ukrainian Constitution Day
Other aspects	None.

A.30 Uzbekistan

A.30.1. Sampling structure and implementation

The first sample frame was supplied by the World Bank and EBRD and consisted of enterprises interviewed in BEEPS 2005. The World Bank and EBRD required that attempts should be made to re-interview establishments responding to the BEEPS 2005 survey where they were within the selected geographical regions and met eligibility criteria. That sample is referred to as the Panel. The source of the second sample frame was the Uniform State Register of Enterprises and Organizations, published by the State Department of Statistics of the Republic of Uzbekistan.

The quality of the frame was assessed at the onset of the project. The frame proved to be useful though it showed positive rates of non-eligibility, repetition, non-existent units, etc. These problems are typical of establishment surveys, but given the impact these inaccuracies may have on the results, adjustments were needed when computing the appropriate weights for individual observations. The percentage of confirmed non-eligible units as a proportion of the total number of contacts to complete the survey was 13% (89 out of 703 establishments).

Regional stratification was defined in 3 regions. These regions are Tashkent, Samarkandskaya, and Tashkentskaya.

Province (viloyat)	Grouping used for stratification purposes in BEEPS IV
Toshkent Shahri	Tashkent
Toshkent	Tashkentskaya
Samarqand	Samarkandskaya
Andijon	Not covered
Buxoro	Not covered
Fargona	Not covered
Jizzax	Not covered
Xorazm	Not covered
Namangan	Not covered
Navoiy	Not covered
Qashkadaryo (8)	Not covered
Qaraqalpaqstan Respublikasi	Not covered
Sidaryo	Not covered
Surxondaryo	Not covered

Sectors included in the sample:

Original sectors	Manufacturing: 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37 Services: 52 Residual: 45, 50, 51, 55, 60, 61, 62, 63, 64, 72
Added (top up) sectors	None.

Fresh sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Tashkent	5-19	2927	2753	4718	10398
	20-99	538	1183	1294	3015
	100+	165	142	478	785
Tashkent Total		4078	3630	6490	14198
Samarkandskaya	5-19	1253	1748	2049	5050
	20-99	174	373	330	877
	100+	50	61	137	248
Samarkandskaya Total		2182	1477	2516	6175
Tashkentskaya	5-19	1046	2116	2038	5200
	20-99	255	461	378	1094
	100+	91	64	156	311
Tashkentskaya Total		2641	1392	2572	6605
Grand Total		6499	8901	11578	26978

Source: Uniform State Register of Enterprises and Organisations

Panel sample frame

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Tashkent	2-49			10	10
	50-99	15			15
	100+		24	12	36
Tashkent Total		15	24	22	61
Samarkandskaya	2-49			7	7
	50-99	27			27
	100+		22	15	37
Samarkandskaya Total		27	22	22	71
Tashkentskaya	2-49			10	10
	50-99	15			15
	100+		29	17	46
Tashkentskaya Total		15	29	27	71
Grand Total		57	75	71	203

Source: BEEPS 2005

Original sample design

		Sector			
Region	Employees	Manufacturing	52	Residual	Grand Total
Tashkent	2-49	15	15	15	45
	50-99	15	15	15	45
	100+	10	10	10	30
Tashkent Total		40	40	40	120
Samarkandskaya	2-49	15	15	15	45
	50-99	15	15	15	45
	100+	10	10	10	30
Samarkandskaya Total		40	40	40	120
Tashkentskaya	2-49	15	15	15	45
	50-99	15	15	15	45
	100+	10	10	10	30
Tashkentskaya Total		40	40	40	120
Grand Total		120	120	120	360

A.30.2. Status codes

TOTAL

Complete interviews (Total)	367
Incomplete interviews	0
Elegible in process	1
Refusals	0
Out of target	89
Impossible to contact	62
Ineligible - coop.	0
Refusal to the Screener	72
Total	591

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	357
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	8
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	3
	16. Panel firm - now less than five employees	2
Ineligible	5. The establishment has less than 5 permanent full time employees	16
	6. The firm discontinued businesses	61
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	12
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	3
	92. Line out of order	8
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	51
	13. Refuses to answer the screener	72
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	110
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
Total	703	

PANEL

Complete interviews (Total)	112
Incomplete interviews	0
Elegible in process	1
Refusals	0
Out of target	29
Impossible to contact	11
Ineligible - coop.	0
Refusal to the Screener	15
Total	168

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	110
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	3
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	0
	16. Panel firm - now less than five employees	2
Ineligible	5. The establishment has less than 5 permanent full time employees	0
	6. The firm discontinued businesses	25
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	4
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	0
	92. Line out of order	0
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	11
	13. Refuses to answer the screener	15
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	9
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	179

FRESH

Complete interviews (Total)	255
Incomplete interviews	0
Elegible in process	0
Refusals	0
Out of target	60
Impossible to contact	51
Ineligible - coop.	0
Refusal to the Screener	57
Total	423

ELIGIBLES		
Eligible	1. Eligible establishment (Correct name and address)	247
	2. Eligible establishment (Different name but same address - the new firm/establishment bought the original firm/establishment)	0
	3. Eligible establishment (Different name but same address - the firm/establishment changed its name)	5
	4. Eligible establishment (Wrong address - the firm/establishment has changed address and the address could be found)	3
	16. Panel firm - now less than five employees	0
Ineligible	5. The establishment has less than 5 permanent full time employees	16
	6. The firm discontinued businesses	36
	7. Not a business: private household	0
	8. Ineligible activity: education, agriculture, finances, governments...	8
Unobtainable	91. No reply (<i>after having called in different days of the week and in different business hours</i>)	3
	92. Line out of order	8
	93. No tone	0
	10. Answering machine	0
	11. Fax line - data line	0
	12. Wrong address/ moved away and could not get the new references	40
	13. Refuses to answer the screener	57
	14. In process (the establishment is being called/ is being contacted - previous to ask the screener)	101
	151. Out of target - outside the covered regions, firm moved abroad	0
	152. Out of target - firm moved abroad	0
	Total	524

A.30.3. Cell weights and universe estimates

Collapsed cell weights (strict)

Region	Employees	Sector		
		Manufacturing	52	Residual
Tashkent	5-19	110	108	153
	20-99	31	43	35
	100+	10	5	18
Samarkandskaya	5-19	110	108	153
	20-99	5	43	35
	100+	3	2	4
Tashkentskaya	5-19	110	108	153
	20-99	9	43	35
	100+	4	3	5

Collapsed cell weights (median)

Region	Employees	Sector		
		Manufacturing	52	Residual
Tashkent	5-19	133	135	180
	20-99	38	58	44
	100+	10	5	18
Samarkandskaya	5-19	133	135	180
	20-99	7	58	44
	100+	3	2	4
Tashkentskaya	5-19	133	135	180
	20-99	11	58	44
	100+	4	4	6

Collapsed cell weights (weak)

Region	Employees	Sector		
		Manufacturing	52	Residual
Tashkent	5-19	157	161	231
	20-99	40	68	56
	100+	10	5	18
Samarkandskaya	5-19	157	161	231
	20-99	8	68	56
	100+	3	2	5
Tashkentskaya	5-19	157	161	231
	20-99	15	68	56
	100+	5	4	7

Uzbekistan universe estimates

Strict collapsed cell weights	Median collapsed cell weights	Weak collapsed cell weights
15192	18416	22305

A.30.4. Survey and item non-response

The number of contacted establishments per realized interview was 1.61. This number is the result of two factors: explicit refusals to participate in the survey, as reflected by the rate of rejection (which includes rejections of the screener and the main survey) and the quality of the sample frame, as represented by the presence of ineligible units. The relatively low ratio of contacted establishments per realized interview (1.61) suggests that the main source of error in estimates in the Uzbekistan may be selection bias and not frame inaccuracy.

A.30.5. Local agency team involved in the study and its comments on the implementation of the BEEPS

Local agency team involved in the survey

Local agency	Name: "Ekspert fikri" Center for Social and Marketing Research in Central Asia in collaboration with "BRIF Research Group" LLP, Kazakhstan Country: Uzbekistan Membership of international organization: None Activities since: 1991
Name of Project Manager	
Name and position of other key persons of the project	
Enumerators involved	Interviewers: 28 Recruiters: 28 All interviewers functioned as both recruiters and interviewers. Interviewer contacted respondents directly and could schedule their work independently.

Other staff involved	Fieldwork Coordinators: 2 Editing: 0 Data Entry: 4 people Data Processing: 1 people
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Sample Frame

Characteristic of sample frame used	All enterprises in Uzbekistan are officially registered in The “Uniform State Register of Enterprises and Organizations” starting from 1993. In Uzbekistan they have different classification system. However, in the sample frame they classified them according to the ISIC Rev. 3.1 classification.
Source	Uniform State Register of Enterprises and Organizations, published by the State Department of Statistics of the Republic of Uzbekistan. Official register.
Year of publication	2006
Comments on the quality of the sample frame	The quality of sampling had shortcomings caused by the following problems: There were many enterprises not fitting their forms of ownership and number of employees due to the fact that from 2006 until now, there were changes in statistical criteria of enterprises groupings into large, middle and small-sized enterprises depending on the forms of activities and number of employees. For example, the middle-sized category has disappeared. Changes took place at enterprises for the last 2 years since 2006.
Year and organisation that conducted the last economic census	2006. State Department of Statistics of the Republic of Uzbekistan.

Sample

Comments/problems on sectors and regions selected in the sample	<i>By sectors:</i> In all sectors there were problems with large-scale enterprises, mainly in services sector. Many large-scale enterprises decreased the official number of employees in order to qualify under small-scale category, where the taxing system is simpler and the number of revisions is less. From January 1, 2004, the number of small-scale enterprises increased in some industrial branches, where enterprises with 100 employees are considered as small-scale enterprise. For this reason, many enterprises have decreased the number of its employees to less than 100. This caused problems for the research team in finding and conducting interviews with large-scale enterprises. There were problems with finding large-scale trade enterprises (code 52), since many large-scale enterprises in this sector have decreased in number or closed because micro-enterprises have less problems with surviving in the trade sector. <i>By regions:</i> Tashkent region. There were problems with finding small-scale enterprises with 5-19 employees. Majority of enterprises selected in the sampling were liquidated, or in the process of liquidation or expansion. It was difficult to get permission for interviewing at enterprises with foreign investments and in many cases refusals resulted. Samarkand region.
Comments on the response rate	No comments.
Comments on the sample design	There were problems with shifting from Uzbekistan classification to ISIC classification. Uzbekistan codes were 5-digit and were transformed to ISIC. There were cases when the sampling of panel enterprises we were provided with, some enterprises in Tashkent regions were marked as Samarkand region enterprises.

Fieldwork

Date of fieldwork	April – August 2008
Country	Uzbekistan
Number of interviews	Manufacturing: 121 Services (sector 52): 160 Core: 85
Problems found during fieldwork	<p>Questions related to financial situation of an enterprise were sometimes completed by phone as accountants did not have time to meet with interviewers.</p> <p>The mentality of respondents and their attitude towards interviews can be expressed by a proverb cited by respondents, “Once you are on paper, you are on fire”, meaning that such surveys are extremely rare in Uzbekistan and interviews are perceived as inspections. This attitude is also caused by the fact that the essential part of manufacturing and financial activities of enterprises is unofficial and under the table with the aim of evading official and unofficial taxes. Unofficial taxes are caused by pressure from local authorities over enterprises with requests to bear costs for municipal improvements, charities, sports events, etc. Thanks to personal acquaintance interviewers had with managers and their expertise in surveying enterprises, some respondents agreed to participate in interviews without having agreed on the answers beforehand with owners. For this reason they asked not to mention their phone numbers and not to visit them again. For this reason together with the fact that in some enterprises telephone communication was not available or working improperly, specialists and managers gave their home phone numbers.</p>
Other observations	N/A

Questionnaires

Problems for the understanding of questions (write question number)	In most cases, in “Performance” section, accountants did not always understand the question n2 and were tempted to give the cost of manufacturing figures instead of giving the procurement of raw materials figures.
Problems found in the navigability of questionnaires (for example, skip patterns)	No special problems encountered
Comments on questionnaire length	Interview lasted less than one hour. According to respondents, questions were long. It was hard for them to concentrate. Sometimes respondents gave an impression of “automated” answering, without reflecting on the question.
Suggestions or other comments on the questionnaires	N/A

Database

Data entry program chosen	PERTS
Comments on the data entry program	N/A
Comments on the data cleaning	N/A

Country situation

<p>General aspects of economic, political or social situation of the country that could affect the results of the survey</p>	<ul style="list-style-type: none"> • The basic country's politics is mainly focused on autarchy (aspiration for maximum economic independence and food security) and monetarism postulates. • Shadow (informal, evading taxes) sector of economy is extremely developed in the country. According to our estimations, about 56% of able-bodied population is occupied outside the official sector of employment. High taxes for low-wage labour force entice employers to recruit majority of workers for constant but not official work and hide their employment. Restrictions on cash turnover and limits on banks to function as controlling bodies including their supplementary role of tax inspectorate force entrepreneurs to take the means of production, volumes of products and services away to the shadow sector of economy. According to experts' estimations about 60% of turnover in private service sector and about 30% of turnover in manufacturing sector remain in the 'shadow' and are hidden by entrepreneurs. • High labor supply caused low wages in the labour market. This, in turn, caused 1.5 million able-bodied people to emigrate for work; these bring a significant amount of money to the country annually making it possible to sustain the living level and demand for products and services in the local consumer market. • According to official data, 63% of the population lives in rural inhabited areas. Taking into consideration the fact that small cities lose their urban roles and functions and their transformation into large villages – a share of the population, whose income depends on the level of agricultural products produced can represent 75% out of the total population.
<p>Relevant country events that occurred during fieldwork</p>	<p>Revenues in the rural sector of the economy have decreased in comparison to previous years, influencing the decrease in products and services turnover and increase in prices for those in the country in general. This was caused by the following events:</p> <ul style="list-style-type: none"> • A drastic decrease in provision of irrigation water in 2008 (about 70% out of the normal volumes of water) led to a decrease in yield generated by farmers and rural households; • Prohibition and restrictions on export of agricultural products outside the country in 2007 and 2008 caused the growth of prices for food products and aspiration of the government to withhold the prices for food products.
<p>Other aspects</p>	<p>N/A</p>