

**Joint ECE/Eurostat Work Session on
Statistical Data Confidentiality**
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Topic IV: Progress in the implementation of SDC methods and techniques in central and eastern Europe

**STATISTICAL DATA CONFIDENTIALITY IN THE TRANSITION COUNTRIES:
2000/2001 WINTER SURVEY**

Invited paper

Submitted by the ECE secretariat

ANNEX

Selected summary tables of responses

Table 1: Access to the original data concerning natural persons

	Universities	Research centres	Business organisations	Legal authorities	Fiscal authorities	Other gov. authorities	Marketing institutions	Other
Albania								
Bulgaria		✓				✓		
Czech Republic								
Estonia	✓	✓						
Hungary								
Latvia	✓	✓						
Lithuania	✓	✓	✓				✓	
Poland								
Romania	✓	✓						
Slovakia								
Slovenia	✓							
The former Yugoslav Yugoslavia		✓						
Armenia								
Azerbaijan								
Belarus								
Kyrgyzstan								
Mongolia								
Russia								
Tajikistan				✓	✓	✓		
Ukraine				✓		✓		
Total	5	6	1	2	1	3	1	0

Table 2: Access to the original data concerning enterprises

	Universities	Research centres	Business organisations	Legal authorities	Fiscal authorities	Other gov. authorities	Marketing institutions	Other
Albania	✓	✓				✓		
Bulgaria		✓				✓		
Czech Republic	✓					✓		
Estonia	✓	✓						
Hungary								
Latvia	✓	✓						
Lithuania	✓	✓	✓				✓	
Poland								
Romania	✓	✓						
Slovakia	✓	✓						
Slovenia								
The former Yugoslav Republic of Macedonia		✓						
Yugoslavia								
Armenia	✓	✓						
Azerbaijan								
Belarus								
Kyrgyzstan					✓	✓		
Mongolia								
Russia		✓		✓	✓	✓		
Tajikistan				✓	✓	✓		
Ukraine				✓		✓		
Total	8	10	1	3	3	7	1	0

Table 3. Can a respondent authorise your agency to divulge original data about himself to a well specified third party (informed consent)?

	natural persons		enterprises	
	yes	no	yes	no
Albania		✓		✓
Bulgaria	✓		✓	
Czech Republic		✓	✓	
Estonia		✓		
Hungary	✓		✓	
Latvia	✓		✓	
Lithuania	✓		✓	
Poland		✓		✓
Romania		✓		✓
Slovakia		✓		✓
Slovenia	✓		✓	
The former Yugoslav Republic of Macedonia		✓	✓	
Yugoslavia			✓	
Armenia	✓		✓	
Azerbaijan		✓		✓
Belarus		✓		✓
Kyrgyzstan		✓		✓
Mongolia		✓		✓
Russia		✓	✓	
Tajikistan		✓		✓
Ukraine	✓		✓	
Total	7	13	11	10

Table 4. Sensitive data concerning natural persons

	Racial or ethnic origin	Political opinions	Religious or philosophical beliefs	Trade union membership	Data concerning health and sex life	Data relating to offences, criminal convictions and security measures	Data related to incomes	Data about professions	Educational data	Other data (please specify)
Albania		NA	NA	NA	✓	✓	NA	✓	✓	
Bulgaria	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Czech Republic	✓	✓	✓	✓	✓	✓	✓			
Estonia	✓	✓	✓		✓	✓				
Hungary	✓	✓	✓		✓	✓				
Latvia	✓	✓	✓	✓	✓					
Lithuania	✓	✓	✓	✓	✓	✓	✓			
Poland	✓	✓	✓		✓	✓	✓			
Romania	✓	✓	✓		✓	NA				
Slovakia	✓	✓	✓		✓		✓			
Slovenia	✓	✓	✓		✓	✓	✓			
The former Yugoslav Republic of Macedonia		✓	✓		✓	✓				
Yugoslavia										
Armenia	✓	✓	✓		✓	✓	✓			
Azerbaijan										
Belarus		✓	✓		✓		✓			
Kyrgyzstan	✓	✓	✓	✓	✓	✓	✓			
Mongolia	✓				✓	✓	✓			
Russia										
Turkmenistan	✓	✓	✓		✓		✓			
Ukraine	✓		✓		✓		✓	✓	✓	
Total	15	15	16	5	18	12	12	3	3	0

NA – not applicable, data not collected by the agency

Table 5: Forms of data release used for the data on natural persons

	Public Use Files (PUF)	Microdata for research (MUC)	Synthetic Datafiles	On-line access	On-line information systems	Other
Albania						
Bulgaria						
Czech Republic						
Estonia						
Hungary		✓	✓			
Latvia		✓				
Lithuania						
Poland		✓				
Romania		✓				
Slovakia			✓			
Slovenia		✓				
The former Yugoslav Republic of Macedonia		✓				
Yugoslavia						
Armenia	✓	✓				
Azerbaijan						
Belarus						
Kyrgyzstan						
Mongolia						
Russia						
Turkmenistan						
Ukraine						
Total	1	7	2	0	0	0

Table 6: Forms of data release used for the data on enterprises

	Public Use Files (PUF)	Microdata for research (MUC)	Synthetic Datafiles	On-line access	On-line information systems	Other
Albania		✓				
Bulgaria						
Czech Republic						
Estonia						
Hungary	✓		✓			
Latvia		✓				
Lithuania		✓				
Poland			✓			
Romania		✓				
Slovakia			✓			
Slovenia	✓					
The former Yugoslav Republic of Macedonia						
Yugoslavia						
Armenia	✓	✓				
Azerbaijan						
Belarus						
Kyrgyzstan		✓				
Mongolia						
Russia						
Turkmenistan						
Ukraine						
Total	3	6	3	0	0	0

Table 7. The disclosure limitation techniques used for the release of data on natural persons

	TABULAR DATA						MICRODATA								
	Geographic or population thresholds	Minimum cell count rules	Dominance rules	Rounding	Adding noise, blurring	Recoding variables	Geographic or population thresholds	Sampling	Top and bottom coding	Recoding data into broad categories	Data swapping	Deletion of sensitive records	Deletion of data items	Micro aggregation	
Albania		✓		✓											
Bulgaria		✓	✓			✓			✓	✓			✓		
Czech Republic		✓	✓												
Estonia		✓	✓	✓										✓	
Hungary	✓	✓		✓		✓							✓		
Latvia	✓												✓		
Lithuania	✓	✓		✓				✓	✓			✓		✓	
Poland	✓					✓	✓			✓					
Romania	✓	✓				✓	✓	✓		✓			✓	✓	
Slovakia	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	
Slovenia	✓	✓	✓	✓				✓		✓			✓		
The former Yugoslav Rep. of Macedonia		✓													
Yugoslavia															
Armenia														✓	
Azerbaijan															
Belarus															
Kyrgyzstan										✓				✓	
Mongolia															
Russia															
Turkmenistan															
Ukraine	✓	✓	✓	✓		✓									
Total	8	11	6	6	0	6	3	4	3	6	0	1	6	6	

Table 8. The disclosure limitation techniques used for the release of data on enterprises

	TABULAR DATA						MICRODATA								
	Geographic population thresholds	Minimum cell count rules	Dominance rules	Rounding	Adding noise, blurring	Recoding variables	Geographic or population thresholds	Sampling	Top and bottom coding	Recoding data into broad categories	Data swapping	Deletion of sensitive records	Deletion of data items	Micro aggregation	
Albania		✓		✓								✓			
Bulgaria		✓	✓			✓			✓	✓			✓		
Czech Republic		✓	✓												
Estonia															
Hungary		✓											✓		
Latvia	✓	✓	✓			✓	✓						✓		
Lithuania	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Poland	✓	✓					✓			✓				✓	
Romania								✓					✓	✓	
Slovakia	✓	✓				✓	✓	✓	✓	✓				✓	
Slovenia	✓	✓	✓						✓				✓		
The former Yugoslav Rep. of Macedonia															
Yugoslavia															
Armenia														✓	
Azerbaijan															
Belarus															
Kyrgyzstan										✓	✓			✓	
Mongolia															
Russia															
Turkmenistan															
Ukraine	✓	✓													
Total	6	10	5	2	1	4	4	3	3	6	2	2	6	6	

Table 9. Specific organisational or administrative measures used to prevent disclosure of data on natural persons

	Special licensing agreements	Access only for researchers named in a contract	Access only for specially sworn employees	Screening the results with respect to disclosure control	Screening of the users	Access only in controlled environment	Trusted Third Parties that keep the keys necessary for identification	Other (please specify):
Albania	✓							
Bulgaria			✓	✓				
Czech Rep.			✓	✓		✓		
Estonia		✓				✓		
Hungary	✓	✓	✓	✓		✓		
Latvia	✓	✓	✓	✓				
Lithuania	✓	✓	✓	✓		✓		
Poland		✓	✓					
Romania		✓	✓					
Slovakia	✓				✓	✓	✓	
Slovenia								
The former Yugoslav Rep. of Macedonia			✓		✓	✓		
Yugoslavia			✓	✓	✓	✓		
Armenia		✓		✓				
Azerbaijan			✓					
Belarus								
Kyrgyzstan				✓				
Mongolia	✓	✓	✓	✓	✓	✓	✓	
Russia			✓					
Turkmenistan			✓					
Ukraine						✓		
Total	6	8	13	9	4	9	2	0

Table 10. Specific organisational or administrative measures used to prevent disclosure of data on enterprises

	Special licensing agreements	Access only for researchers named in a contract	Access only for specially sworn employees	Screening the results with respect to disclosure control	Screening of the users	Access only in controlled environment	Trusted Third Parties that keep the keys necessary for identification	Other (please specify):
Albania	✓							
Bulgaria			✓	✓				
Czech Rep.			✓	✓		✓		
Estonia	✓	✓	✓			✓		
Hungary			✓					
Latvia	✓		✓	✓				
Lithuania	✓	✓	✓	✓		✓		
Poland			✓					
Romania		✓	✓					
Slovakia	✓				✓	✓	✓	
Slovenia								
The former Yugoslav Rep. of Macedonia			✓		✓	✓		
Yugoslavia			✓	✓	✓	✓		
Armenia		✓		✓				
Azerbaijan			✓					
Belarus								
Kyrgyzstan								
Mongolia	✓	✓	✓	✓	✓	✓	✓	
Russia			✓					
Turkmenistan								
Ukraine						✓		
Total	6	5	13	7	4	8	2	0