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Geneva, 15 - 16 January 2004

**SUSTAINABLE DEVELOPMENT OF HUMAN SETTLEMENTS IN THE UNECE  
REGION: PROGRESS AND CHALLENGES\***

Report prepared by a consultant and finalized by the UNECE secretariat

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- The references mentioned in this document are available in full on the UNECE website at:  
[http://www.unece.org/env/wgso/Sustainable%20Development/sd\\_forum.jan2004.htm](http://www.unece.org/env/wgso/Sustainable%20Development/sd_forum.jan2004.htm)

**Figure I. GDP growth in UNECE, 2002**

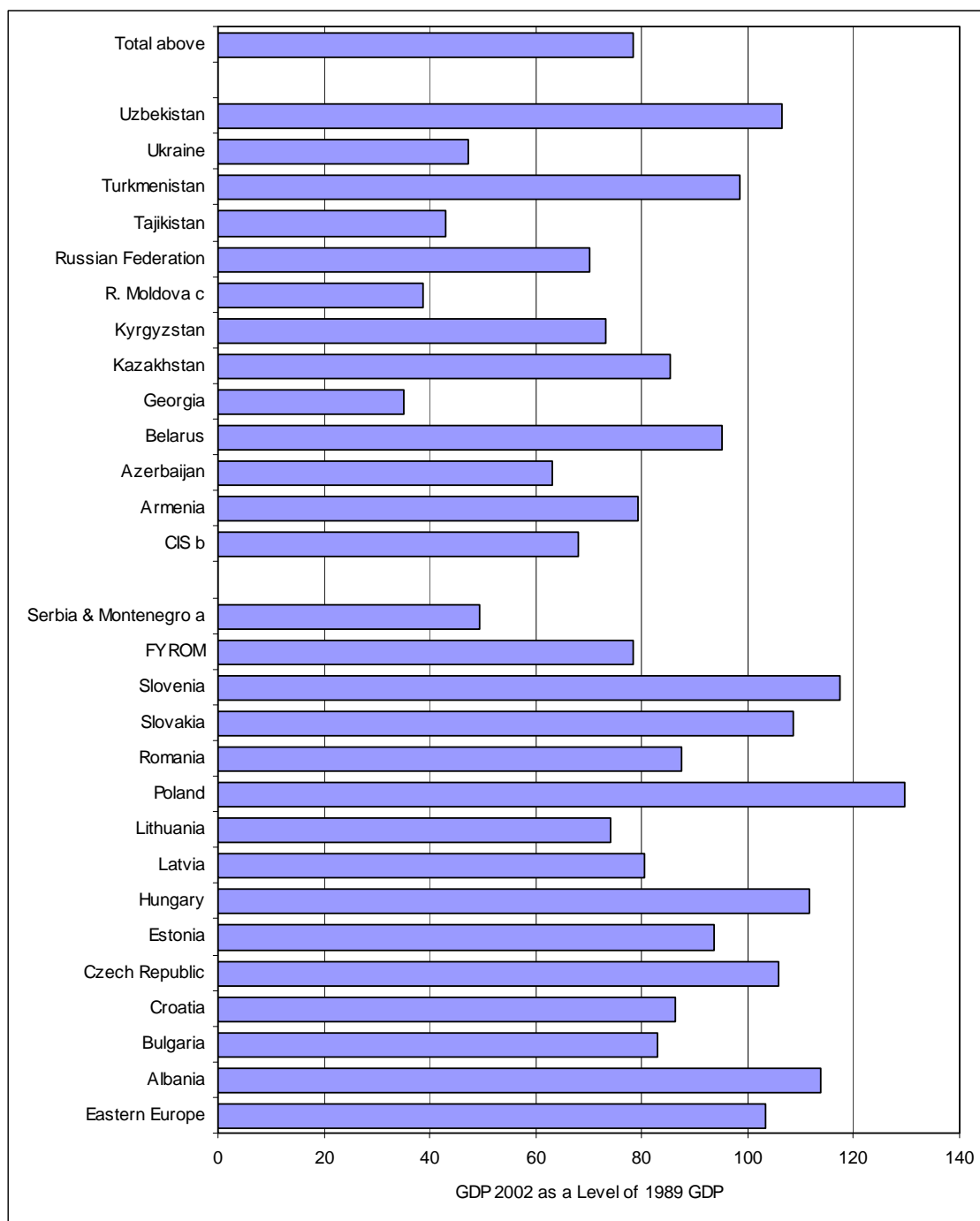


Source: Based on data from UN World Economic and Social Survey, 2002.

**FIGURE II. UNEMPLOYMENT IN UNECE COUNTRIES IN 2002**



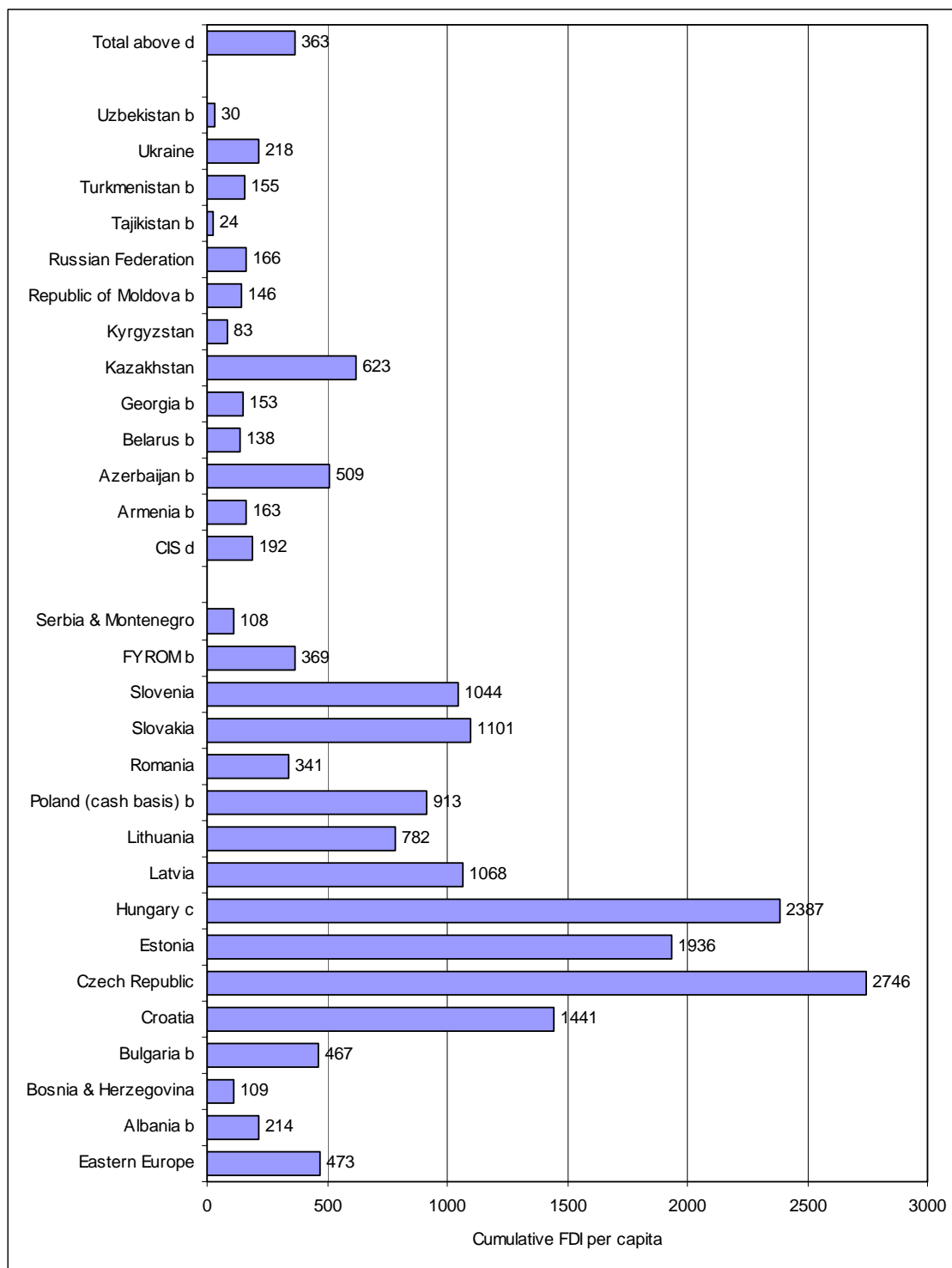
Source: Based on data from UNECE Economic Survey of UNECE, 2003.

**Figure III. GDP in transition economies in 2002 versus 1989**

**Notes:** <sup>a</sup> Gross material product (1989 for Croatia, 1989-2000 for Serbia & Montenegro). Data for Serbia & Montenegro since 1999, without Kosovo and Metohia. <sup>b</sup> Net material product for 1989-1990 (until 1992 in the case of Turkmenistan); <sup>c</sup> Excluding Transdnistria since 1993.

**Source:** Based on data from UNECE Economic Survey of ECE, 2003.

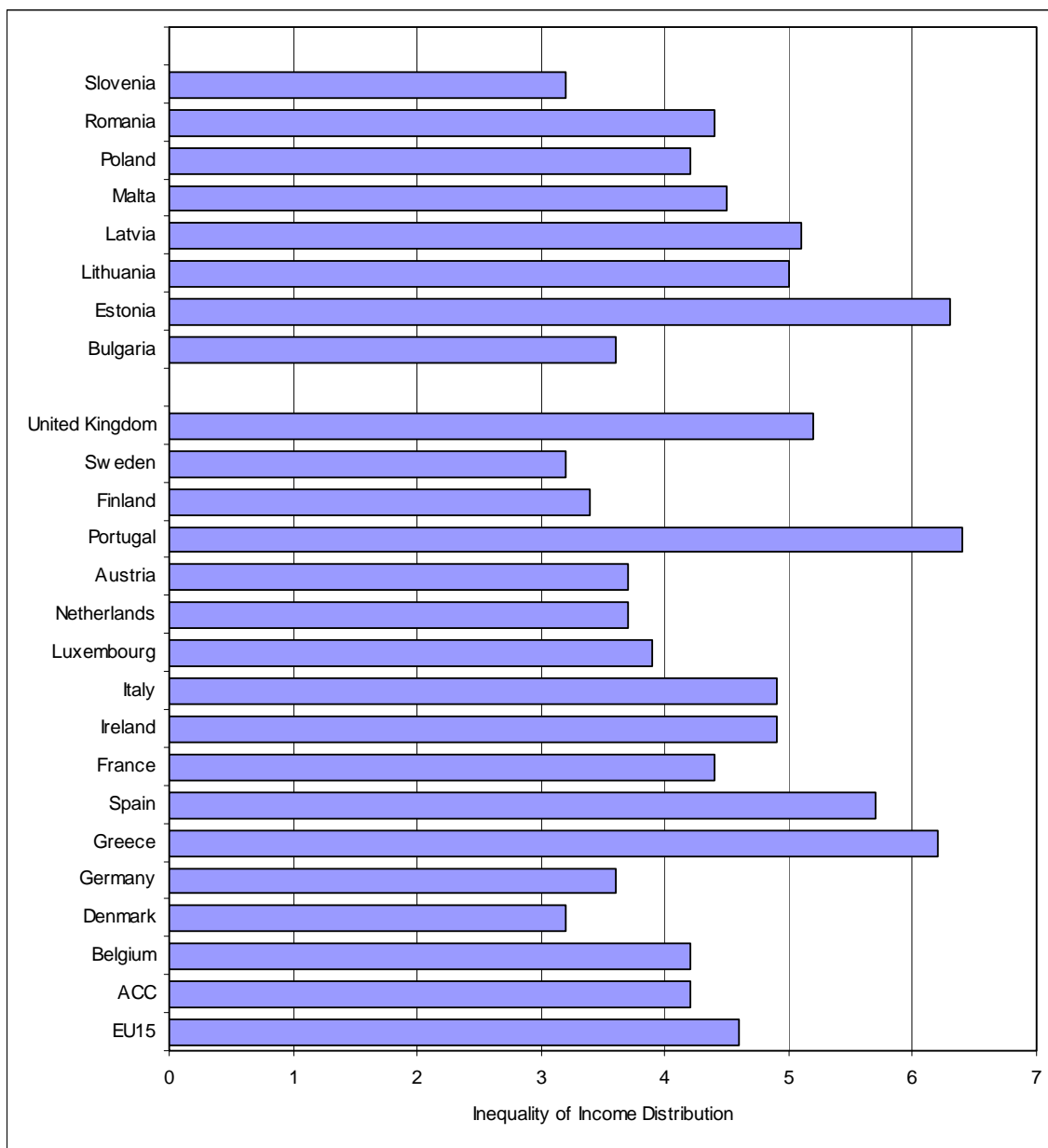
**Figure IV. FDI in transition economies, 1990-2001 (Millions of US\$)**



**Source:** Author's estimates based on data in UNECE Economic Survey 2003

**Notes:** <sup>a</sup> Inflows into the reporting country; <sup>b</sup> Net of residents' investments abroad; <sup>c</sup> Excludes reinvested profits; <sup>d</sup> 1999-2001 totals include estimates for Turkmenistan.

**Figure V. Inequality of income distribution in selected ECE countries, 1999**

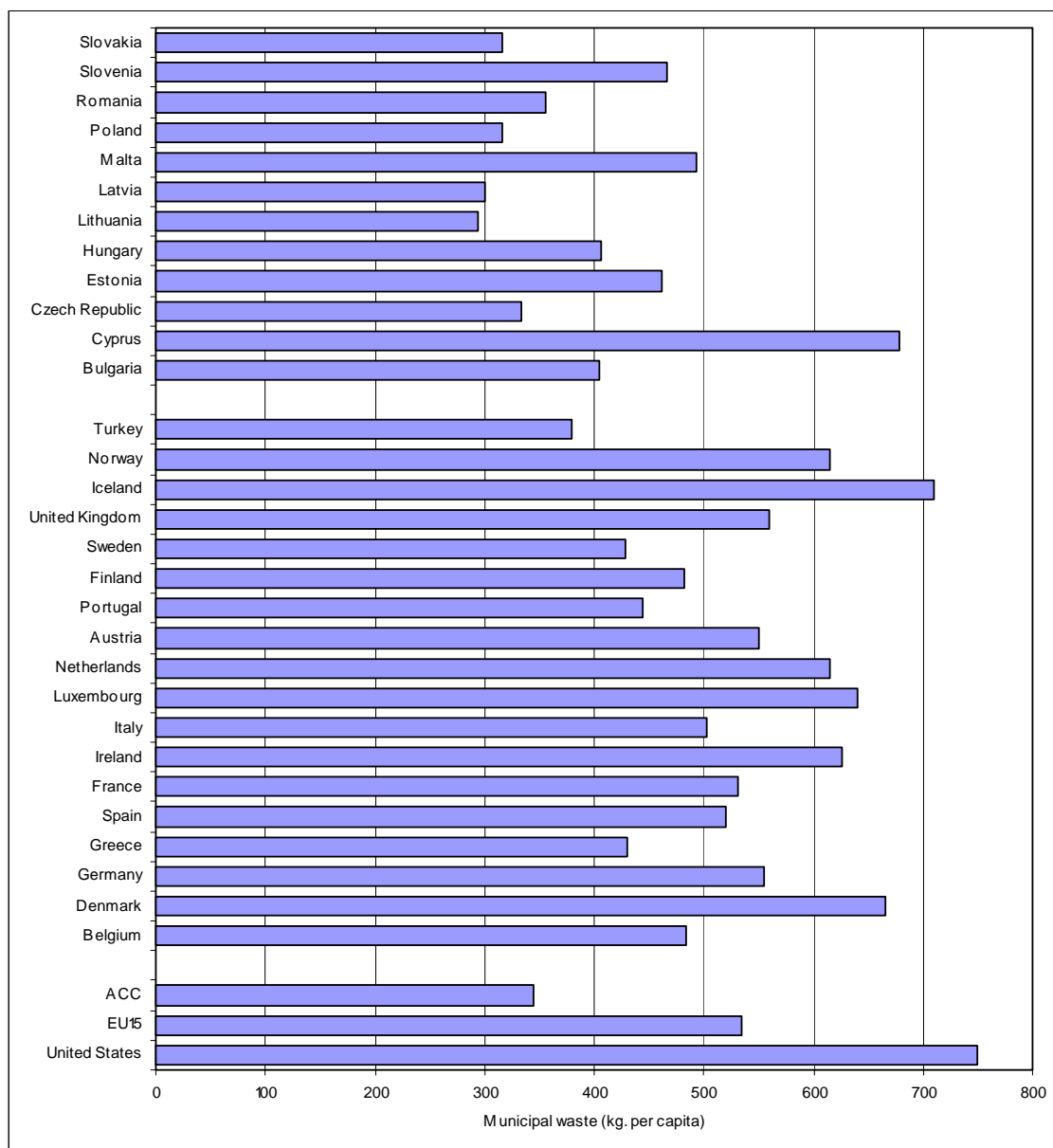


*Notes: Measured as the share of the top 20% of the population with the highest income versus the bottom 20% with the lowest income. Income must be understood as equalised disposable income.*

*ACC – European Union accession countries; EU-15 – European Union average for 15 member states.*

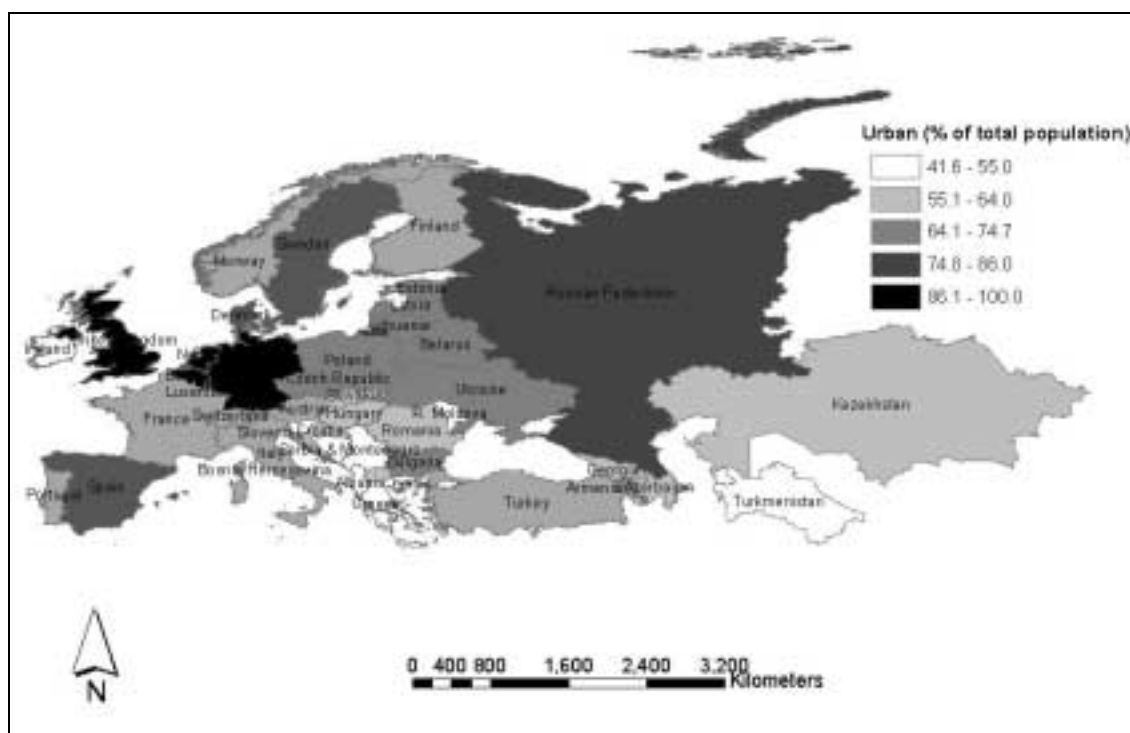
*Source: Eurostat 2003*

**Figure VI. Municipal waste in selected ECE countries, 2001**



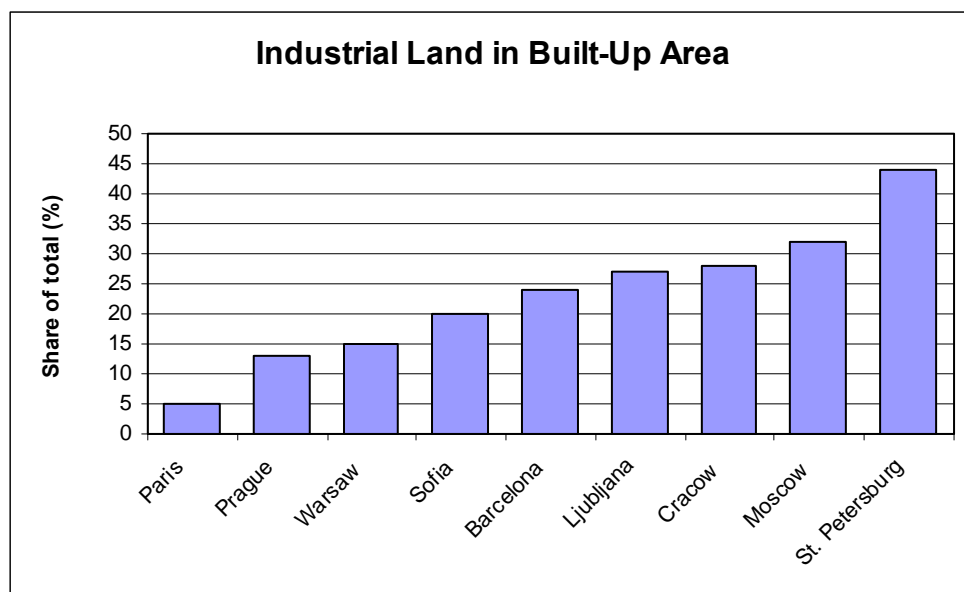
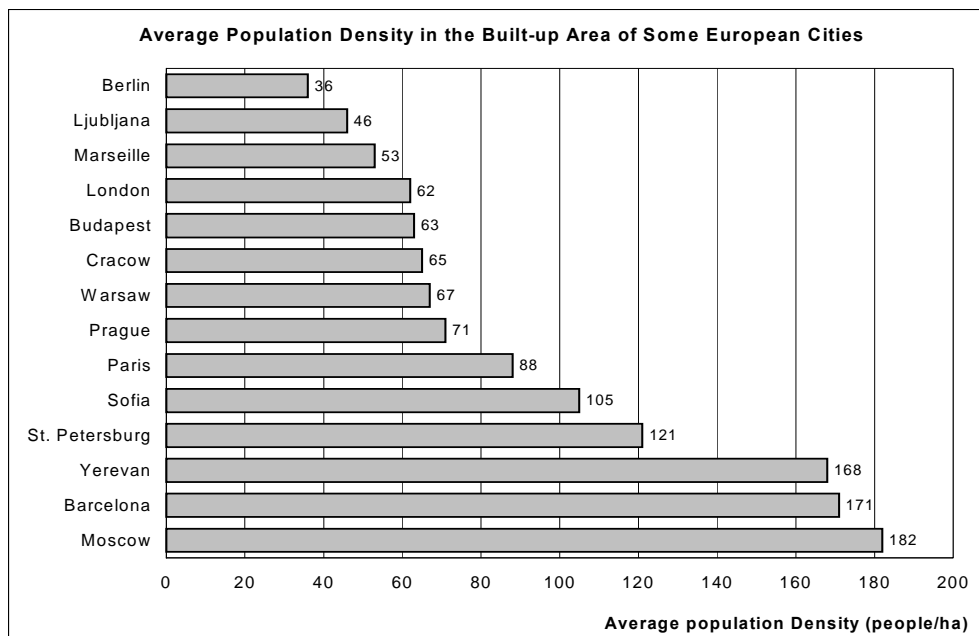
**Notes:** ACC – European Union accession countries; EU-15 – European Union average for 15 member States.  
**Source:** Eurostat 2003

**FIGURE VII. URBANIZATION IN UNECE REGION, 2001**



*Source:* Based on data from UN Population Projections, 2003.

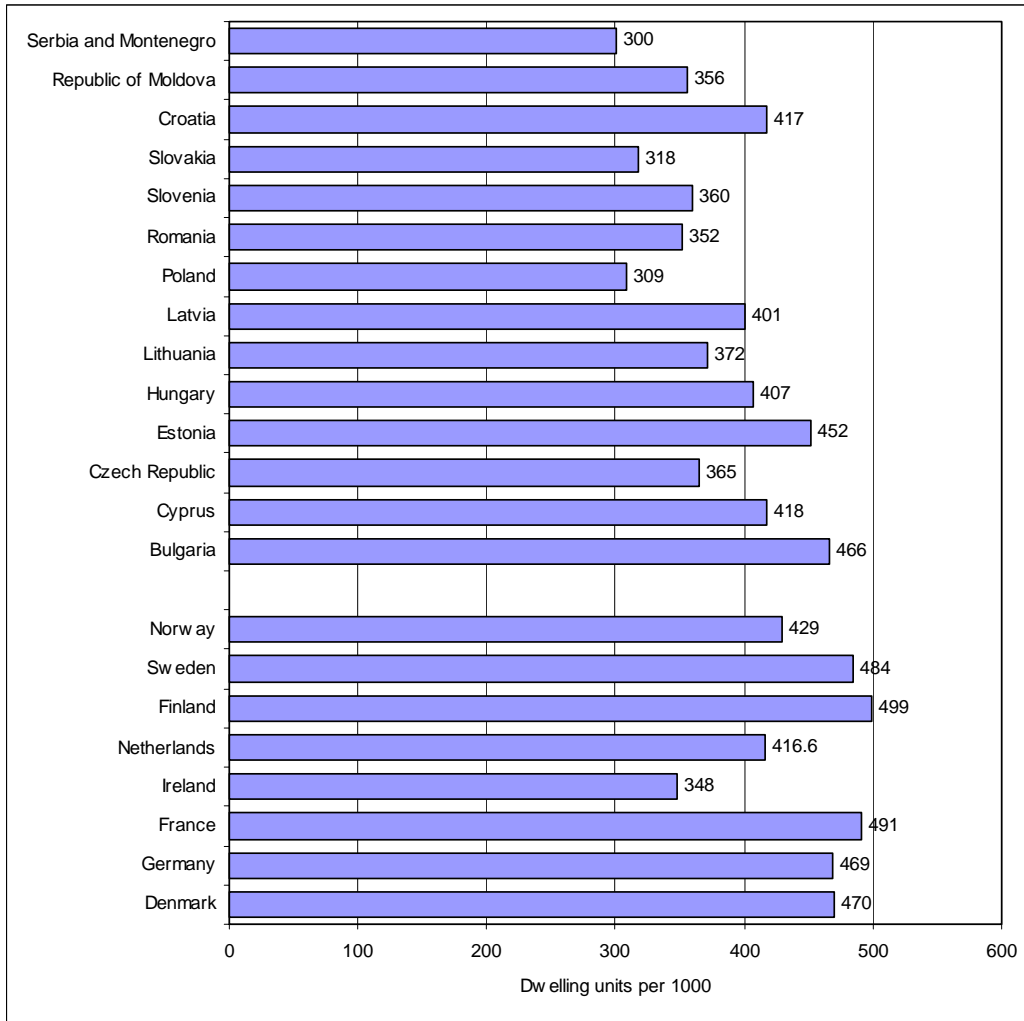
**Figure VIII. Comparison of Average Population Densities and Share of Industrial Land in European cities**



Source: World Bank Database, May 2001.

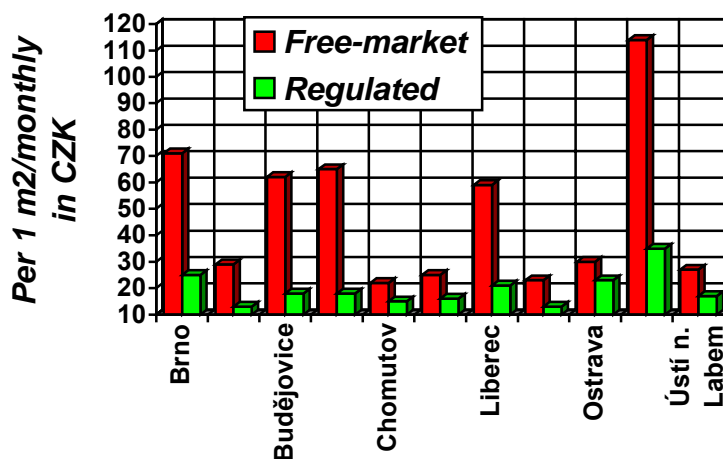


**Figure IX. Level of housing provision in selected ECE countries, 2000**



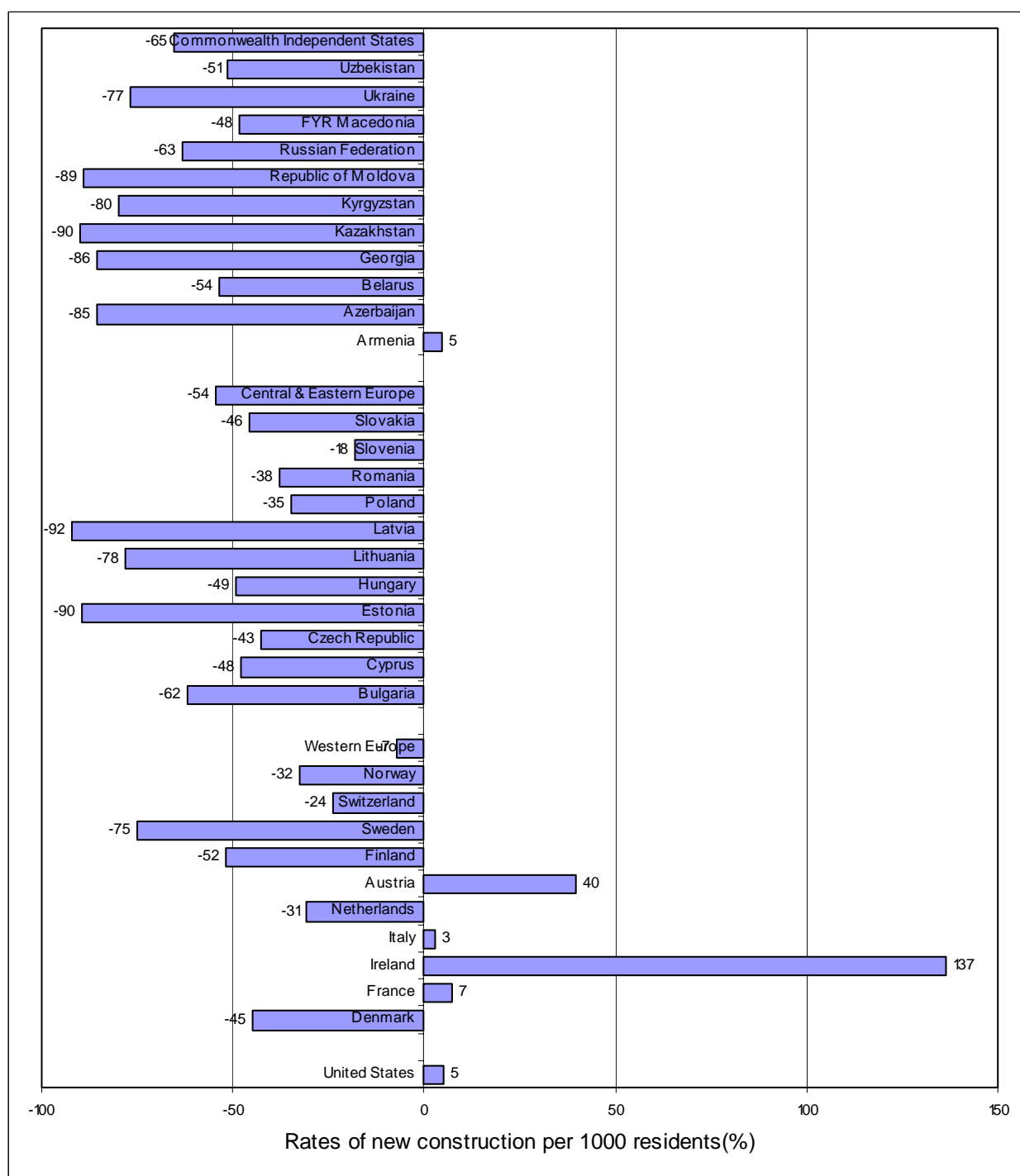
Source: UNECE Database.

**Figure X. Regulated versus free market rents in the Czech Republic, 2003**



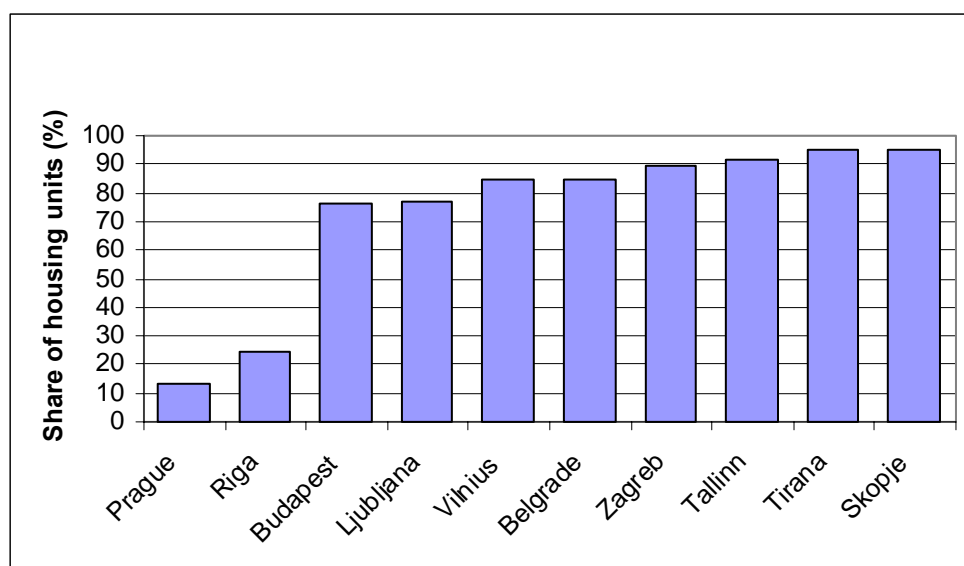
Source: Grabmullerova 2003

**Figure XI. New housing construction in the UNECE region in 2000 compared to 1990**



Source: Author's estimates based on UNECE database.

**Figure XIII. Homeownership in the capitals of countries in transition, 1999**



*Source: Tsenkova 2003.*

**Table 1. Urbanization and growth**

	Population			Level of urbanization (% population) 2000	Urban Population		Capital City	Share of urban population (%)
	Millions	Average annual % growth	Density people per square km		Urban population	Annual growth		
	2000 a	1990-2000	2000		Millions 2000	(%) 2000-2015		
<b>Western Europe and North America</b>								
Austria	8	0.5	98	64.7	5.3	0.5	Vienna	39
Belgium	10	0.3	312	97.3	9.8	0.0	Brussels	11
Finland	5	0.4	17	67.3	3.4	0.8	Helsinki	34
France	59	0.4	107	75.6	44.6	0.6	Paris	22
Germany	82	0.3	235	87.5	71.9	0.1	Berlin	5
Greece	11	0.4	82	60.1	6.3	0.4	Athens	49
Ireland	4	0.8	55	59	2.2	1.3	Dublin	45
Italy	58	0.2	196	67	38.3	0	Rome	7
Luxembourg a	0.44	1.4	169	91.5	0.4	0.7		
Netherlands	16	0.6	469	89.4	14.1	0.2	Hague	8
Portugal	10	0.1	109	64.4	6.3	1.1	Lisbon	60
Spain	39	0.2	79	77.6	30.7	0.1	Madrid	13
Denmark	5	0.4	126	85.3	45.1	0.1	Copenhagen	31
Sweden	9	0.4	22	83.3	7.4	0.3	Stockholm	21
United Kingdom	60	0.4	247	89.5	52.6	0.2	London	15
<b>European Union</b>								
Israel	6	2.9	302	91.2	5.6	1.4	Tel Aviv	
Norway	4	0.6	15	75.5	3.3	0.8	Oslo	29
Switzerland	7	0.7	182	67.7	5	0.5	Zurich	20
Turkey	65	1.5	85	75.3	50.1	2	Ankara	6
<b>Western Europe</b>	<b>458.44</b>				<b>402.4</b>			
Canada	31	1.0	3	77.1	24	1.1	Ottawa	5
United States	282	1.2	31	77.2	214.9	1.0	Washington	2
<b>North America</b>	<b>313</b>				<b>238.9</b>			
<b>Eastern Europe and the CIS</b>								
Albania	3	0.4	124	41.2	1.2	2.1	Tirana	70 b
Bosnia & Herzegovina	4	-1.3	77	43	1.7	1.8		
Bulgaria	8	-0.7	74	69.6	5.7	-0.1	Sofia	21
Croatia	4	-0.7	80	57.7	2.5	0.5	Zagreb	16
Czech Republic	10	-0.1	133	74.7	7.6	0.0	Prague	16
Estonia	1	-0.9	34	68.6	0.9	-0.8	Tallinn	48 b
Hungary	10	-0.3	109	64	6.4	0	Budapest	28
Latvia	2	-1.0	39	69	1.6	-0.7	Riga	48 b
Lithuania	4	-0.1	57	68.4	2.5	0	Vilnius	28 b
FYROM	2	0.7	80	62	1.2		Skopije	34 b
Poland	39	0.1	127	65.6	25.4	0.7	Warsaw	9
Romania	22	-0.3	97	56.2	12.5	0.3	Bucharest	16
Slovakia	5	0.2	112	57.4	3	0.6	Bratislava	16 b
Slovenia	2	-0.1	99	50.4	1		Ljubliana	50 b
Serbia & Montenegro	11	0.1	..	52.2	5.5	0.8	Belgrade	27
<b>Eastern Europe</b>								
Armenia	4	0.8	136	70	2.4	1	Yerevan	52
Azerbaijan	8	1.2	93	57.3	4.4	1.6	Baku	44
Belarus	10	-0.2	48	71.2	7.2	0.3	Minsk	24
Georgia	5	0.0	78	60.1	3	0.9	Tbilisi	18
Kazakhstan	15	-0.9	6	56.4	9.1	0.8	Alma-Ata	14
Kyrgyzstan								
R. Moldova	4	-0.2	129	46.1	2	0.7	Chishnau	26 b
Russian Federation	146	-0.2	9	77.7	114.1	0.2	Moscow	8
Tajikistan	6	1.8	45	27.5	1.7	2		
Turkmenistan	5	2.8	10	44.8	1.9	2.2		
Ukraine	50	-0.5	86	68	34.3	0	Kiev	8
Uzbekistan	25	1.8	60	36.9	8.9	1.7	Tashkent	24
<b>CIS</b>	<b>405</b>				<b>267.7</b>			
<b>World</b>	<b>6065</b>	<b>1.4</b>	<b>47</b>			<b>..</b>		

Notes: a. Luxembourg, Bosnia & Herzegovina World Development Report (2002) p. 240.  
b. Author's estimates.

Source: Columns 1-3: World Development Report (2002) pages 232-233.  
Columns 4-8: Cities in a Globalizing World (2001) pages 271-273; 300-305.

Table 2. Social and economic indicators

	Poverty			GDP per capita 2001	Human development				
	Population living below \$1 a day (%) <sup>a</sup>	Poverty gap ratio (%)	Share of poorest 20% in national income or consumption (%)		Human development ranking <sup>d</sup>				
					1990-2001 <sup>b</sup>	1990-2001 <sup>b</sup>	1990-2001 <sup>b,c</sup>	HDI 2003	World rank
<b>Western Europe and North America</b>									
Austria	..	..	7.0	26,730	0.944	Norway	1		
Belgium	..	..	8.3	25,520	0.942	Iceland	2		
Denmark	..	..	8.3	29,000	0.941	Sweden	3		
Finland	..	..	10.1	24,430	0.938	Netherlands	5		
France	..	..	7.2	23,990	0.937	Belgium	6		
Germany	..	..	5.7	25,350	0.937	United States	7		
Greece	..	..	7.1	17,440	0.937	Canada	8		
Ireland	..	..	6.7	32,410	0.932	Switzerland	10		
Italy	..	..	6.0	24,670	0.930	Denmark	11		
Luxembourg	..	..	8.0	53,780	0.930	Ireland	12		
Netherlands	..	..	7.3	27,190	0.930	United Kingdom	13		
Portugal	<2	<0.5	5.8	18,150	0.930	Finland	14		
Spain	..	..	7.5	20,150	0.930	Luxembourg	15		
Sweden	..	..	9.1	24,180	0.929	Austria	16		
United Kingdom	..	..	6.1	24,160	0.925	France	17		
<b>European Union</b>									
Israel	..	..	6.9	19,790	0.921	Germany	18		
Norway	..	..	9.7	29,620	0.918	Spain	19		
Switzerland	..	..	6.9	28,100	0.916	Italy	21		
Turkey	<2	<0.5	6.1	5,890	0.905	Israel	22		
<b>Western Europe</b>									
Canada	..	..	7.3	27,130	0.892	Portugal	23		
United States	..	..	5.2	34,320	0.891	Greece	24		
<b>North America</b>									
					0.891	Cyprus	25		
					0.881	Slovenia	29		
					0.861	Czech Republic	32		
					0.856	Malta	33		
<b>Central and Eastern Europe and the CIS</b>									
					0.841	Poland	35		
Albania	..	..	..	3,680	0.837	Hungary	38		
Bosnia and Herzegovina	..	..	..	5,970	0.836	Slovakia	39		
Bulgaria	4.7	1.4	6.7	6,890	0.833	Estonia	41		
Croatia	<2	<0.5	8.3	9,170	0.824	Lithuania	45		
Czech Republic	<2	<0.5	10.3	14,720	0.818	Croatia	47		
Estonia	<2	<0.5	7.0	10,170	0.811	Latvia	50		
Hungary	<2	<0.5	10.0	12,340	0.804	Belarus	53		
Latvia	<2	<0.5	7.6	7,730	<b>Medium level of HD</b>				
Lithuania	<2	<0.5	7.9	8,470	0.795	Bulgaria	57		
FYROM	<2	<0.5	8.4	6,110	0.784	FYROM	60		
Poland	<2	<0.5	7.8	9,450	0.779	Russian Federation	63		
Romania	2.1	0.6	8.2	5,830	0.777	Bosnia and Herzegovina	66		
Serbia and Montenegro	..	..	..	..	0.773	Romania	72		
Slovakia	<2	<0.5	8.8	11,960	0.766	Ukraine	75		
Slovenia	<2	<0.5	9.1	17,130	0.765	Kazakhstan	76		
<b>Eastern Europe</b>									
Armenia	12.8	3.3	6.7	2,650	0.748	Turkmenistan	87		
Azerbaijan	3.7	<1	7.4	3,090	0.746	Georgia	88		
Belarus	<2	<0.5	8.4	7,620	0.744	Azerbaijan	89		
Georgia	<2	<0.5	6.0	2,560	0.735	Albania	95		
Kazakhstan	1.5	0.3	8.2	6,500	0.734	Turkey	96		
Kyrgyzstan	2.0	0.2	9.1	2,750	0.729	Armenia	100		
R. Moldova	22.0	5.8	7.1	2,150	0.729	Uzbekistan	101		
Russian Federation	6.1	1.2	4.9	7,100	0.727	Kyrgyzstan	102		
Tajikistan	10.3	2.6	8.0	1,170	0.700	R. Moldova	108		
Turkmenistan	12.1	2.6	6.1	4,320	0.677	Tajikistan	113		
Ukraine	2.9	0.6	8.8	4,350					
Uzbekistan	19.1	8.1	9.2	2,460					
<b>CIS</b>									
<b>World</b>									
..	..	..	..	<b>7,376</b>	<b>0.722</b>				

Notes: a. Poverty line is equivalent \$1.08 (1993 PPP US\$); b. Data refer to the most recent year available during the period specified; c. For information on survey years and whether data refer to income or consumption, see column 1 of table 13 in Human Development Report 2003.d. The Human Development Index (HDI) rank is determined using HDI values to the sixth decimal point.

**Source:**

Column 1-4: World Bank. 2003. World Development Indicators 2003. CD-ROM. Washington, DC.

Column 5-6: UNDP. 2003. Human Development Report 2003.

**Table 3. Provision of environmental infrastructure – water and sanitation**

	Population with sustainable access to an improved water source				Urban population with access to improved sanitation	
	Rural (%)		Urban (%)		Urban population with access to improved sanitation (%)	
	1990	2000	1990	2000	1990	2000
<b>Western Europe and North America</b>						
Austria	100	100	100	100	100	100
Belgium	..	..	..	96	..	96
Denmark	..	100	..	100	..	100
Finland	100	100	100	100	100	100
France	..	..	..	98	..	98
Germany	..	..	..	100	..	100
Greece	..	..	..	..	..	..
Ireland	..	..	..	93	..	93
Italy	..	..	..	99	..	99
Japan	..	..	..	..	..	..
Luxembourg	..	..	..	..	..	..
Netherlands	100	100	100	100	100	100
Portugal	..	..	..	95	..	95
Spain	..	..	..	98	..	98
Sweden	100	100	100	100	100	100
United Kingdom	100	100	100	100	100	100
<b>European Union</b>						
Israel	..	..	..	..	..	..
Norway	100	100	100	100	100	100
Switzerland	100	100	100	100	100	100
Turkey	72	86	83	81	97	97
<b>Western Europe</b>						
Canada	99	99	100	100	100	100
United States	100	100	100	100	100	100
<b>North America</b>						
<b>Eastern Europe and the CIS</b>						
Albania	..	95	..	99	..	99
Bosnia and Herzegovina	..	96.2	..	..	..	..
Bulgaria	..	100	..	100	..	100
Croatia	..	95	..	..	..	..
Czech Republic	..	..	..	..	..	..
Estonia	..	..	..	..	..	93
Georgia	..	61	..	90	..	100
Hungary	98	98	100	100	100	100
Latvia	..	..	..	..	..	..
Lithuania	..	..	..	..	..	..
FYROM	..	..	..	..	..	..
Poland	..	..	..	..	..	..
Romania	..	16	..	91	..	86
Serbia and Montenegro	..	97	..	99	..	100
Slovakia	..	100	..	100	..	100
Slovenia	100	100	100	100	100	..
<b>Eastern Europe</b>						
Armenia	..	..	..	..	..	..
Azerbaijan	..	58	..	93	..	90
Belarus	..	100	..	100	..	..
Kazakhstan	..	82	..	98	..	100
Kyrgyzstan	..	66	..	98	..	100
R. Moldova	..	88	..	97	..	100
Russian Federation	..	96	..	100	..	..
Tajikistan	..	47	..	93	..	97
Turkmenistan	..	..	..	..	..	..
Ukraine	..	94	..	100	..	100
Uzbekistan	..	79	..	94	..	97
<b>CIS</b>						
<b>World</b>	..	71 <sup>a</sup>	..	95 <sup>a</sup>	..	85 <sup>a</sup>

Notes: a. Data refer to the world aggregate according to UNICEF (2003. The State of the World's Children 2003. New York: Oxford University Press). Source: Column 1-6: UN (United Nations). 2003. Millennium Indicators Database. Department of Economic and Social Affairs, Statistics Division, New York. [<http://millenniumindicators.un.org>]. March 2003; based on data from a joint effort by the United Nations Children's Fund (UNICEF) and the World Health Organization (WHO)