



UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

**COMMITTEE ON ENVIRONMENTAL POLICY
CONFERENCE OF EUROPEAN STATISTICIANS**

Joint Intersectoral Task Force on Environmental Indicators

SECOND NATIONAL REVIEW OF THE APPLICATION OF ENVIRONMENTAL INDICATORS

Submitted by Albania

I. EVALUATION OF FURTHER SIX INDICATORS FROM THE *UNECE INDICATOR GUIDELINES*¹

Please respond to the following questions on each of the six indicators by filling in Table A hereunder.

¹ These indicators were selected by the Joint Task Force, at its 1st meeting held in Geneva on 31 August-2 September 2009, for the discussion at its 2nd meeting. The description of the indicators is available online at: www.unece.org/env/documents/2007/ece/ece.belgrade.conf.2007.inf.6.e.pdf.

Table A. EVALUATION OF FURTHER SIX INDICATORS FROM THE *UNECE INDICATOR GUIDELINES*

Indicator	A. Effective inter-agency cooperation mechanisms to produce the indicator	B. Data quality assurance and control procedures for the production of the indicator	C. Publication of the indicator in statistical compendiums and state-of-the-environment reports
Renewable freshwater resources	Indicators are generated in the Institute of Energy, Water and Environment, based on the National Monitoring Program. All the data are produced and collected in the Institute of Energy, Water and Environment.	The Institute of Energy, Water and Environment collect and control the data and prepare Annual Report. This data are collected and elaborated in compliance with EU requirements. These directives were forwarded from INSTAT to the lines institutions.	The indicators are not publicities on the state-of-the-environment reports.
Freshwater abstraction	Indicators are generated in the Institute of Energy, Water and Environment, based on the National Monitoring Program. All the data are produced and collected in the Institute of Energy, Water and Environment.	The Institute of Energy, Water and Environment collect and control the data and prepare Annual Report. This data are collected and elaborated in compliance with EU requirements. These directives were forwarded from INSTAT to the lines institutions.	The indicators are not publicities on the state-of-the-environment reports.
Protected areas	Indicators are generated in the Ministry of Environment, Forestry and Water Administration based on the National Monitoring Program. All the data produced by Different Institutions are collected in the Agency of Environment and Forestry.	The Agency of Environment and Forestry collect and control the data and prepare State of Environment Report. This data are collected and elaborated in compliance with EU requirements. These directives were forwarded from INSTAT to the lines institutions.	Publication of the indicator in the state-of-the-environment reports, www.moe.gov.al and in the Statistical Yearbook, in Albania in Figures (every year) and in the website www.instat.gov.al

Indicator	A. Effective inter-agency cooperation mechanisms to produce the indicator	B. Data quality assurance and control procedures for the production of the indicator	C. Publication of the indicator in statistical compendiums and state-of-the-environment reports
Renewable energy consumption	Indicators are generated in the Ministry of Economy, Trade and Energy		The indicators are not publicities on the state-of-the-environment reports.
Passenger transport demand	Indicators are generated in the Ministry of Public Works Energy, Transport and Telecommunication, based on the National Program. All the data are collected in the Ministry of Public Works Energy, Transport and Telecommunication.	The Ministry of Public Works Energy, Transport and Telecommunication collect and control the data and prepare Annual Report. This data are collected and elaborated in compliance with EU requirements. These directives were forwarded from INSTAT to the lines institutions.	The indicator will be publicities on the state-of-the-environment report 2009. The indicator is published by INSTAT in the annual publication Albania in Figures, at the Statistical Yearbook, at the website www.instat.gov.al
Freight transport demand	Indicators are generated in the Ministry of Public Works Energy, Transport and Telecommunication, based on the National Program. All the data are collected in the Ministry of Public Works Energy, Transport and Telecommunication.	The Ministry of Public Works Energy, Transport and Telecommunication collect and control the data and prepare Annual Report. This data are collected and elaborated in compliance with EU requirements. These directives were forwarded from INSTAT to the lines institutions.	The indicator will be publicities on the state-of-the-environment report 2009. The indicator is published by INSTAT in the annual publication Albania in Figures, at the Statistical Yearbook, at the website www.instat.gov.al

Notes:

Question A. Effective inter-agency cooperation mechanisms to produce the indicator

Please describe cooperation arrangements, if any, which have been established in your country to collect the necessary data for the indicator. These may involve statistical agencies, ministries of water management, agriculture, transport, interior, environment, economic development and energy, hydro-meteorological services and agencies on geology, as appropriate. The description should cover problems met, solutions found and possible further steps envisaged or needed.

Question B. Data quality assurance and control procedures for the production of the indicator

Please describe data quality assurance and control procedures for the production of the indicator. The description should cover problems met, solutions found and possible further steps envisaged or needed. References should be made to any international methodologies and guidelines that are followed to ensure data quality and control.

Question C. Publication of the indicator in statistical compendiums and state-of-the-environment reports

Please present the evidence of the indicator publication in statistical compendiums and state-of-the-environment reports (titles, names of the publishing houses, cities and years of the publications, languages, number of copies published, Internet addresses, and whether time-series data was published on the indicator.

II. TIME SERIES DATA ON THE INDICATORS FOR 2003-2008

Please fill in the tables below with the data on each of the six indicators.

Table1. Renewable Freshwater Resources²: (country name)

Line	Category	Unit	Long term annual average	2003	2004	2005	2006	2007	2008
1	Precipitation	mio m ³ /y							
2	Actual evapotranspiration	mio m ³ /y							
3	Internal flow (=1-2)	mio m ³ /y							
4	Inflow of surface and groundwaters	mio m ³ /y							
5	Renewable freshwater resources (=3+4)	mio m ³ /y							
6	Outflow of surface and groundwaters	mio m ³ /y							
7	Regular freshwater resources 95% of the time	mio m ³ /y							

Note: Precipitation figures should be based on representative precipitation measurements from across the country and the country's climatic zones.

² For Guidance and Definitions see the UNSD/UNEP Questionnaire 2008 on Environment Statistics available online at: http://unstats.un.org/unsd/environment/Questionnaires/q2008%20water_english.xls.

Table 2. Freshwater abstraction³: (Albania)

Line	Category	Unit	2003	2004	2005	2006	2007	2008
	<i>Water abstracted</i>							
1	Gross freshwater abstracted (=11+21) (=2+3+4+5+6+7+8)	mio m ³ /y						
2	Water abstraction by water supply industry (ISIC 36) (=12+22)	mio m ³ /y						
	<i>Self abstraction for own use by:</i>							
3	Households (=13+23)	mio m ³ /y						
4	Agriculture, forestry and fishing (ISIC 01-03) (=14+24)	mio m ³ /y						
5	Manufacturing (ISIC 10-33) (=15+25)	mio m ³ /y						
6	Electricity industry (ISIC 351) (=16+26)	mio m ³ /y						
7	Other economic activities (=17+27)	mio m ³ /y						
	<i>Surface water abstracted</i>							
11	Gross fresh surface water abstracted (=12+13+14+15+16+17)	mio m ³ /y						
12	Surface water abstraction by water supply industry (ISIC 36)	mio m ³ /y						
	<i>Self abstraction for own use by:</i>							
13	Households	mio m ³ /y						
14	Agriculture, forestry and fishing (ISIC 01-03)	mio m ³ /y						
15	Manufacturing (ISIC 10-33)	mio m ³ /y						
16	Electricity industry (ISIC 351)	mio m ³ /y						
17	Other economic activities	mio m ³ /y						
	<i>Groundwater abstracted</i>							
21	Gross fresh groundwater abstracted (=22+23+24+25+26+27)	mio m ³ /y						
22	Groundwater abstraction by water supply industry (ISIC 36)	mio m ³ /y						
	<i>Self abstraction for own use by:</i>							

³ For Guidance and Definitions see the UNSD/UNEP Questionnaire 2008 on Environment Statistics available online at: http://unstats.un.org/unsd/environment/Questionnaires/q2008%20water_english.xls.

Table 2. Freshwater abstraction³: (Albania)

Line	Category	Unit	2003	2004	2005	2006	2007	2008
	<i>Water abstracted</i>							
23	Households	mio m ³ /y						
24	Agriculture, forestry and fishing (ISIC 01-03)	mio m ³ /y						
25	Manufacturing (ISIC 10-33)	mio m ³ /y						
26	Electricity industry (ISIC 351)	mio m ³ /y						
27	Other economic activities	mio m ³ /y						
	<i>Water exploitation index (WEI)</i>							
28.	Freshwater abstraction as percentage of renewable freshwater resources (=1 / 5 (long-term annual average) of Table 1 x 100)	%						

Notes : This table covers water abstraction from water bodies (rivers, lakes, groundwater etc.) by the abstractor.
Electricity industry excludes water for hydroelectricity generation purposes.

Table 3. Protected areas: (Albania)

Line	Category	Unit	2003	2004	2005	2006	2007	2008
1	Total size of protected areas	km2			2383	2611	2995	3616
	Of which by IUCN categories:				2383	2611	2995	3616
2	I Strict Nature Reserve/ Wilderness Area	%			0.061	0.05	0.03	0.01
3	II National Park	%			0.26	0.33	0.36	0.09
4	III Natural Monument	%			0.015	0.013	0.012	0.009
5	IV Habitat / Species Management Area	%			0.28	0.24	0.20	0.17
6	V Protected Landscape / Seascape	%			0.30	0.27	0.32	0.26
7	VI Managed Resource Protected Area	%			0.076	0.07	0.06	0.05
	Of which other categories:				-	-	-	-
8	Protected areas without IUCN category assignment	%			-	-	-	-
9	Total area as share of national territory	%			0.083	0.091	0.104	0.126

Table 4. Renewable energy consumption: (Albania)

Line	Category	Unit	2003	2004	2005	2006	2007	2008
1	Share of renewable energy consumption in total energy consumption	%						
	Of which the share by category:							
2	Wind	%						
3	Solar	%						
4	Geothermal	%						
5	Primary Solid Biomass	%						
6	Biogas	%						
7	Liquid biofuels	%	-	-	-	-	-	-
8	Municipal Waste	%						
9	Tide, Wave, Ocean	%						
10	Hydropower	%						

Table 5. Passenger transport demand: (Albania)

Line	Category	Unit	2003	2004	2005	2006	2007	2008
	Rail							
2	# of kilometres travelled	Passenger-kilometres (millions)	105.3	88.96	73.0	79.61	50.775	40.55
3	As share of total demand	%	1.54	1.31	1.00	1.03	0.7	0.6
	Private cars							
4	# of kilometres travelled	Passenger-kilometres (millions)	1547	1552	1588	1559	1800	2711
5	As share of total demand	%	23	23	22	20.2	24.1	38.8
	Motorcycles							
6	# of kilometres travelled	Passenger-kilometres (millions)	-	-	-	-	-	-
7	As share of total demand	%	-	-	-	-	-	-
	Buses							
8	# of kilometres travelled	Passenger-kilometres (millions)	4919	4928	5337	5790	5240	3719
9	As share of total demand	%	72	73	73.7	75.2	70.3	53.3
	Motor coaches							
	# of kilometres travelled	Passenger-kilometres (millions)	2.2	2.7	2.53	2.6	2.47	2.2
	As share of total demand	%	0.3	0.4	0.37	0.38	0.36	0.3
	Air							
10	# of kilometres travelled	Passenger-kilometres (millions)	259.2	189.5	241.4	268	355	490
11	As share of total demand	%	3.8	2.8	4.5	3.9	5.2	7.2

Table 6. Freight transport demand: Albania

Line	Category	Unit	2003	2004	2005	2006	2007	2008
1	Total volume of freight transported	Million ton-kilometres	-	-	-	-	-	-
	Total volume of freight transported per unit of GDP in constant 2000 prices:							
2	In national currency (<i>name</i>)	Ton-kilometres/ Unit of GDP	-	-	-	-	-	-
3	In USD equivalent	Ton-kilometres/ Unit of GDP	-	-	-	-	-	-
	Roads							
4	Total volume of freight transported	Million ton-kilometres	2530	2798	3210	3306	3584	4098
5	Share in total freight transport	%	86.17	84.07	86.26	85.87	86.84	92.38
	Inland waterways							
6	Total volume of freight transported	Million ton-kilometres	399	531	504	538	536.7	334
7	Share in total freight transport	%	13.59	15.95	13.54	13.97	13.00	7.529
	Pipelines (oil)							
8	Total volume of freight transported	Million ton-kilometres	7	8	7	6	6	4
9	Share in total freight transport	%	0.24	0.24	0.18	0.15	0.14	0.09
	Air							
10	Total volume of freight transported	Million ton-kilometres	-	-	-	-	-	-
11	Share in total freight transport	%	-	-	-	-	-	-