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NOSTRUM-DSS

NETWORK ON GOVERNANCE, SCIENCE AND TECHNOLOGY

FOR SUSTAINABLE WATER RESOURCE MANAGEMENT IN THE MEDITERRANEAN.

THE ROLE OF DSS TOOLS

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Deliverable 4-1

Survey of relevant information centres and data sources for Statistics and Socio-Economic Data

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This report is part of Nostrum-DSS Workpackage 4 GIS, Remote Sensing, and Statistical Information in Support of Policy analysis and Enforcement Task a) Survey of Relevant Information Centres and Data Sources for Statistics and Socio-economic Data (Deliverable D4-1).

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1 OBJECTIVES

The general objectives of Workpackage (WP) 4 are:

- To set up a knowledge base about the availability of geographical data (remote sensed information, geophysical databases, monitoring networks, socio-economic data, etc.);
- To identify the obstacles to more effective and widespread use of GIS in DSS; and
- To advise on how these obstacles could be overcome.

The activities in this Workpackage have the starting point as the outputs from WP1, relating to the country specific reports, for the preliminary identification of data constraints and availability. In addition, the leading institute is responsible for carrying out a desk survey of relevant information centres and sources in the Mediterranean basin, as well as of relevant past, ongoing and planned projects with a significant component of data collection relevant for water resource management.

The WP is divided into four main tasks:

- *Task a) Statistical data issues:* to investigate the needed data for meaningful research and informed policy making, as well as existing database and efforts in the socio-economic sector;
- *Task b) Territorial analysis & implementation of GIS systems:* to set up a knowledge base about the availability of geographical data (remote sensed information, geophysical databases, monitoring networks, etc.);
- *Task c) Water and climate change in the Mediterranean:* inventory of data and studies on climate change, and climate change modelling and scenario building, in the Mediterranean area;
- *Task d) Data needs assessment* for supporting DSSs use for IWRM.

SUMER has been assigned to carry out the investigations regarding Task (a), and the results of these investigations have led to Deliverable 4-1 on “Survey of Relevant Information Centres and Data Sources for Statistics and Socio-economic Data.

2 DESCRIPTION OF WORK

Investigations for Task (a) are basically carried out on the National Reports of WP1, prepared by each Nostrum partner. National Reports I and II are scanned to produce summary information on:

- (a) availability and adequacy of socio-economic data and the relevant data sources;
- (b) existing national data centres relevant to statistical information and particularly to socio-economic data.

The following sections summarize the above information for each partner country.

3 AVAILABILITY AND ADEQUACY OF SOCIO-ECONOMIC DATA AND THE RELEVANT DATA SOURCES BY COUNTRY

Appendix A covers the survey on data availability and accuracy, together with relevant data sources, by country. The data surveyed relate basically to socio-economic indicators on national and sectoral scales.

A preliminary assessment of the above survey shows that, for almost all countries, the majority of data on socio-economic indicators are available and rather adequate at the national scale. Yet, it must also be noted that these data are derived from international data sources like FAO, World Bank, WHO, UNESCO, and other UN Organizations. The difficulty is with the sectoral scale where substantial information is either unavailable or inadequate.

4 EXISTING NATIONAL DATA CENTRES RELEVANT TO STATISTICAL INFORMATION AND PARTICULARLY TO SOCIO-ECONOMIC DATA

National Reports I and II of WP1 are also surveyed for each country to disclose national data centres and the types of information they collect. The results of this survey are summarized in the following for NOSTRUM partner countries.

COUNTRY: CROATIA

INSTITUTION	TYPE OF DATA COLLECTED
Ministry for Environmental Protection and Physical Planning and Construction (MEPPPC)	environmental data
Ministry for Agriculture, Forestry and Water Management (MAFWM) by Directorate for Water Management	water resources and economic data

COUNTRY: ISRAEL/PALESTINE

INSTITUTION	TYPE OF DATA COLLECTED
ISRAEL	
Water Commission	water allocation, distribution and pricing
Ministry of Environment	water quality, pollution
Ministry of Agriculture	irrigational water quality, pollution
Ministry of Health	water quality, control
Ministry of Finance	water pricing
Ministry of Infrastructure and Development	water works/project planning and development
Water resource planning and development Mekorot/Tahal	water allocation, distribution and pricing
Nature Reserves Authority	water quality, control

NGOs	water resource conservation and protection,
Tamar Regional Authority Megillot Regional Authority	regional water resource planning and development
Dead Sea Works	mineral extraction
Ein Bokeq Tourism	water resource management and development
Ahava Health and Beauty Products Kibbutz Ein Gedi Masada Ein Gedi Nature Reserve	water related products
PALESTINE	
Palestine Water Authority	water resources
Government Ministry of Agriculture	agriculture
Ministry of Planning	water development
Ministry of Health	drinking water standards
Ministry of Local Government	local water activities
Ministry of National Economy	industrial planning
Environment Quality Authority	water quality and quantity
West Bank Water Department	water supply
Ministry of Finance	financial

COUNTRY: LEBANON

INSTITUTION	TYPE OF DATA COLLECTED
MOPH – Ministry of Public Health	drinking water monitoring data
MOA – Ministry of Agriculture	water supply for irrigation, agricultural hydraulic structures, irrigation systems monitoring data
MOE – Ministry of Environment	water quality data
MIM – Ministry of Interior and Municipality MOD – Ministry of Displaced	infrastructure data
MOPWT – Ministry of Public Work and Transportation	meteorological data
Municipalities	water, wastewater, storm water
Agricultural Coops	agricultural data
NGO's	environmental data

COUNTRY: SYRIA

INSTITUTION	TYPE OF DATA COLLECTED
State Planning Commission (SPC)	water use
Ministry of Irrigation (MOI)	water use, quality
Ministry of Housing and Utilities (MOHU)	water use, quality
Ministry of Agriculture and Agrarian Reform (MOAAR)	water use, quality
Users' cooperatives:	water use
Mohafazat Office	water use
Ministry of Health (MOH)	drinking water quality
Ministry of Industry (MOIn)	industrial waste water quality
Ministry of Internal Trade and Supply	water quality for food industry

COUNTRY: EGYPT

INSTITUTION	TYPE OF DATA COLLECTED
The Soils, Water & Environmental Research Institute (SWERI)	environmental, monitoring data

COUNTRY: TUNISIA

INSTITUTION	TYPE OF DATA COLLECTED
National society for the exploitation and the Distribution of Waters (SONEDE)	economic data
Institut National de la Statistique (INS)	socio-economic and demographic data

COUNTRY: ALGERIA

INSTITUTION	TYPE OF DATA COLLECTED
Algérienne des Eaux – ADE – (Algerian Water Company)	water pricing
Ministry of Water Resources	water resources management and development
Office National d'Assainissement – ONA (National Bureau for Waste Water)	waste water management data, water quality
Agence Nationale des Barrages et des Grand Transferts – ANBT – (National Agency for Dams and Transferts)	data on dams
Agence Nationale de l'Irrigation et du Drainage – AGID – (National Agency and Drainage)	irrigation infrastructure

COUNTRY: MOROCCO

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INSTITUTION	TYPE OF DATA COLLECTED
Direction of Statistics, Morocco	demographic and socio-economic data
Secrétariat de l'eau	economic data

COUNTRY: TURKEY

INSTITUTION	TYPE OF DATA COLLECTED
State Institute of Statistics (SIS)	social, demographic, cultural, environmental, scientific and technological data
Turkish Treasury General Directorate of Economic Research	data used for economical analyses
DSI (State Hydraulic Works)	data on runoff and meteorology, soil classification, agricultural economy, erosion, maps, geological conditions, etc.
MEF (Ministry of Environment and Forestry)	data on water quality, pollution, and erosion
Ministry of Infrastructure	Economic data on water infrastructure

COUNTRY: GREECE

INSTITUTION	TYPE OF DATA COLLECTED
National Statistical Services	statistical data
Ministry of Development	classification of quantitative and qualitative parameters for water resources
Ministry for the Environment, Physical Planning and Public Works	environmental policy, water quality, measures for sustainable development,
The Hellenic Union of Municipal Enterprises for Water Supply and Sewage – E.D.E.Y.A	water supply, water pricing
Union of Agricultural Associations	irrigation, water allocation
Union of Room Owner	population working in the tourism sector
Ministry of Agriculture	water use, irrigation

COUNTRY: CYPRUS

INSTITUTION	TYPE OF DATA COLLECTED
Statistical Service of Cyprus of the Republic of the Cyprus	statistical data
Cyprus Tourism Organization	tourism
Water Development Department	water prices, water allocation, monitoring of aquifers and streams
Geological Survey Department	groundwater resources
Crop specific Agricultural Associations	water quantities for irrigation
Consumers' Association	water quality for domestic use
Hoteliers' Association	water quality for hotels
Cyprus Chamber of Commerce – CCCI	water supply for industrial
Environmental and Ecological NGOs	water resources
Union of Municipalities of Cyprus	water supply for municipalities
Union of Communities of Cyprus	water supply for villages

COUNTRY: SPAIN

No information is provided in the National Reports.

COUNTRY: PORTUGAL

INSTITUTION	TYPE OF DATA COLLECTED
Directorate-General of Industry (DGI)	industrial activities
Regional Directorates of the Ministry of Industry (DRI)	industrial activities
Directory-General for Primary Health Care (DGCSP)	water quality and consumption
Regional Administrations of the Ministry of Health (ARS)	water quality and consumption
Directorate-General for Rural Structures and Environment (DGERA)	water use in agriculture and pollution
Regional Directorates of the Ministry of Agriculture (DRA)	water use in agriculture and pollution

COUNTRY: FRANCE

INSTITUTION	TYPE OF DATA COLLECTED
IFEN (L'Institut Français de l'environnement)	environmental
Ministère de l'écologie France	environmental
SCEES (Service central des Enquêtes et Études statistiques)	socio-economic
INSEE (Institut National de la Statistique et des Études Économiques)	socio-economic
RNDE – (Réseau national des Données sur l'Eau)	water resources

COUNTRY: ITALY

INSTITUTION	TYPE OF DATA COLLECTED
ISTAT Istituto Nazionale di Statistica	socio-economic
INEA - Istituto Nazionale di Economia Agraria	agricultural economics

APPENDIX I DATA AVAILABILITY, ADEQUACY AND SOURCES BY COUNTRY

COUNTRY: CROATIA

NATIONAL DATA

Type of Information	Indicators	Available	Not- Available	Sufficient	Insufficient	Source
Socio- demographic Indicators	Population (Million people) - 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Urban Population (Percentage of total population) – 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Population Growth Rate (Percentage) – 1975/2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Population Density (People/km ²)- 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Life expectancy at birth (Years) - 2002	X		X		WHO 2004
	Fertility rate - (Number of children per women)	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
Economy	GDP (Billion US \$ PPP) – 2002	X		X		World Bank 2004
	GDP per Capita (US \$ per Capita) – 2002	X		X		World Bank 2004
	Gini coefficient of income distribution (Index) - 2002	X		X		World Bank 2004
	GDP by Agriculture (Percentage of GDP) – 2002	X		X		World Bank 2004
	GDP by Industry (Percentage of GDP) - 2002	X		X		World Bank 2004
	GDP by Services (Percentage of GDP) – 2002	X		X		World Bank 2004
Employment	Labour force employed in Agriculture (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Industry (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Manufacturing (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Services (Percentage of total Labour force) – 2002	X		X		International Labour Organisation

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

	Labour force not classified as economic activity (Percentage of total Labour force) – 2002		X		X	
	Unemployment rate (Percentage of total active population) - 2002	X		X		www.hr
Millennium Development Goals	Human Development Index (Index) – 2002	X		X		World Bank – UN - 2004
Eradicate extreme poverty and hunger (1)	Population below \$1 a day (Percentage) - 2002	X		X		World Bank - 2004
Achieve universal primary education of primary schooling (21)	Education Index - 2002	X		X		UNESCO 2004
Promote gender equality and empower women of education no later than 2015 (3)	Ratio of young literate females to males (Percentage) - 2002	X		X		UNESCO 2004
Reduce child mortality (4)	Under-five mortality rate (per 1.000 births) – 2002	X		X		WHO 2004
Improve maternal health (5)	Maternal mortality ratio (per 100.000 births) - 2002	X		X		WHO 2004
Combat HIV/AIDS, malaria and other diseases (6)	HIV prevalence (% 15-49 years)		X		X	UNAIDS (Joint United Nations Programme on HIV/AIDS). 2004
Ensure environmental sustainability (7)	Access to improved water supply	X		X		WHO 2004
Develop a global partnership for development (8)	Total ODA Given as Percent of GNP – 2002	X		X		World Bank 2004
WSSD	Access to improved water sanitation (Percentage of total population)	X		X		WHO 2004
	Presence of an Initiated Integrate Water Resource Management Plan, as required by 2005 (Y/N)		X		X	-
Population dynamics	Urban population (Percentage of total population)	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
	Rural population (Percentage of total population)	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
Development pressures on environment	Total - Water consumption per capita (litres per day per capita) - 2000	X		X		WRMP
	BOD Emissions (Kg/day) - 2004	X		X		WRMP
Environmental health impacts on development	Non sustainable Water production index - year	X		X		WRMP
	Rate of change of the occurrence of flood phenomena		X		X	-
	Index of River fragmentation		X		X	-
	Area of wetland drained	X		X		WRMP
	Cholera and epidemic by dysentery (number/year)	X		X		WRMP
	Malaria (Number for 1000 persons/ year)	X		X		WRMP
Water market	Volume of water market	X		X		www.rec.org
	Volume of groundwater market (where relevant)	X		X		www.rec.org
Whole sale pricing (Water supply)	Agriculture	X		X		WRMP

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

	Industry	X		X		WRMP
	Domestic	X		X		WRMP
	Municipality	X		X		WRMP
Whole sale pricing (Waste water treatment)	Agriculture		X		X	
	Industry		X		X	
	Domestic	X			X	WRMP
	Municipality	X			X	WRMP
Whole sale pricing (Private investment in Supply and Sanitation)	Private investment in water supply and sanitation (US\$(PPP)/m ³)	X		X		WRMP
Privatisation of water utilities	Public	X		X		WRMP
	Partly privatised	X			X	WRMP
	Fully privatised	X			X	WRMP

SECTORAL DATA

Short description of the relative socio-economic importance of agricultural sector in the national economy	People employed (% of total labour force)	X			X	-
	GDP of agricultural sector (% of total GDP)	X		X		-
	GDP from agriculture, except livestock and aquaculture (as % of GDP)		X		X	-
	GDP from aquaculture (as % of GDP)		X		X	-
	GDP from livestock (as % of GDP)		X		X	-
	Government subsidies to Agricultural sector ((US\$(PPP)/year)		X		X	-
	FDI to agricultural sector (as % of total FDI)		X		X	-
Agricultural production by type in Mt	Cereals, Total	X		X		FAO 2004
	Citrus Fruit, Total	X		X		FAO 2004
	Coarse Grain, Total	X		X		FAO 2004
	Fibre Crops Primary	X		X		FAO 2004
	Fruit excl Melons, Total	X		X		FAO 2004
	Jute & Jute-like Fibres		X		X	FAO 2004
	Oilcakes Equivalent	X		X		FAO 2004
	Oil-cops Primary	X		X		FAO 2004
	Pulses, Total	X		X		FAO 2004
	Roots and Tubers, Total	X		X		FAO 2004
	Tree-nuts, Total	X		X		FAO 2004
	Vegetables & Melons, Total	X		X		FAO 2004
	Short description of the relative socio-economic importance of agricultural sector in the national economy	Total import of agricultural sector (as % of total import) - 1997	X		X	
Total export of agricultural sector (as % of total export) - 1997		X		X		World Bank 2003
Food security (Percentage)		X		X		FAO 2004
Main agricultural production by crop (tons/year)		X		X		FAO 2004
Agricultural production index (PIN 99-01)		X		X		FAO 2004
Average farm dimension (ha)		X		X		ICID

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

Main indicator of water needs and efficiency in agriculture-livestock and aquaculture productions	Water use in agriculture (cubic km/year)	X		X		FAO AQUASTAT 2003
	Water managed area (ha)	X		X		FAO AQUASTAT 2003
	Water intensity (cubic meters/ha)		X		X	FAO AQUASTAT 2003
	Water productivity (US \$ Billions/cubic km)		X		X	FAO AQUASTAT 2003
	Specific water demand (by crop production)		X		X	FAO AQUASTAT 2003
Social and economics analysis	People employed (Percentage of total population) - 2003	X		X		www.hr
	GDP from Energy sub-sector of industry		X		X	-
	GDP from processing sub-sector of industry	X		X		www.hr
	GDP from transport sub-sector of industry		X		X	-
General information on the urban water supply and sanitation situation	As percentage of total reference population (Urban access to)	X			X	WHO
	As percentage of total reference population (Rural access to)	X			X	WHO
	As percentage of total reference population (Total access to)	X			X	WHO
Urban water demand and sanitation	Water for domestic use (cubic meter/year)	X			X	www.dzs.hr
	Water treated (Million Cubic Meters) 2000	X			X	WRMP
	Hyper chlorination of drinking water (?)		X		X	-
	Quality of water supply (Average hours of suspension of the service per year)	X			X	WRMP
Urban water demand and sanitation (Domestic connections to water supply)	Housing units with piped water (As Percentage of reference housing units) - Total	X		X		UN-HABITAT
	Housing units with piped water (As Percentage of reference housing units) - Urban	X		X		UN-HABITAT
	Housing units with piped water (As Percentage of reference housing units) - Rural	X		X		UN-HABITAT
Urban water demand and sanitation (Domestic connections to sanitation services)	Housing units with toilet (As Percentage of reference housing units) - Total	X		X		UN-HABITAT
	Housing units with toilet (As Percentage of reference housing units) - Urban	X		X		UN-HABITAT
	Housing units with toilet (As Percentage of reference housing units) - Rural	X		X		UN-HABITAT
Role of the tourism industry in the local economy	Tourism receipts (US\$ million) – 2002	X		X		World Tourism Organization
	GDP of tourist sector (Percentage)	X		X		World Tourism Organization
	Public expenditure on tourism development (US\$/year)	X		X		World Tourism Organization
	People employed in tourism sector (Percentage)	X		X		World Tourism Organization
	Number of bed-places per hundred inhabitants (Number)	X		X		World Tourism Organization

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

	Tourists arrivals (Number) – 2002	X		X		World Tourism Organization
	Tourist Pressure on WSS infrastructure Ratio		X		X	-
General information on the urban water supply and sanitation situation (Domestic Water Consumptions)	Water available per capita (cubic meters/ day)	X		X		WRMP
	Total - Water consumption per capita (litres per day per capita) – 2000	X		X		WRMP
	Rural - Water consumption per capita (litres per day per capita)		X		X	WRMP
	Urban - Water consumption per capita (litres per day per capita)		X		X	WRMP

COUNTRY: ISRAEL/PALESTINE

NATIONAL DATA

Type of Information	Indicators	Available	Not-Available	Sufficient	Insufficient	Source
Socio- demographic Indicators	Population (Million people) - 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Urban Population (Percentage of total population) – 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Population Growth Rate (Percentage) – 1975/2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Population Density (People/km ²)- 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Life expectancy at birth (Years) - 2002	X		X		WHO 2004
	Fertility rate - (Number of children per women)	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
Economy	GDP (Billion US \$ PPP) – 2002	X		X		World Bank 2004
	GDP per Capita (US \$ per Capita) – 2002	X		X		World Bank 2004
	Gini coefficient of income distribution (Index) - 2002	X		X		World Bank 2004
	GDP by Agriculture (Percentage of GDP) – 2002	X		X		World Bank 2004
	GDP by Industry (Percentage of GDP) - 2002	X		X		World Bank 2004
	GDP by Services (Percentage of GDP) – 2002	X		X		World Bank 2004
Employment	Labour force employed in Agriculture (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Industry (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Manufacturing (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Services (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force not classified as economic activity (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Unemployment rate (Percentage of total active population) - 2002	X		X		International Labour Organisation

Millennium Development Goals	Human Development Index (Index) – 2002	X		X		World Bank – UN - 2004
Eradicate extreme poverty and hunger (1)	Population below \$1 a day (Percentage) - 2002	X		X		World Bank 2004
Achieve universal primary education of primary schooling (21)	Education Index - 2002	X		X		UNESCO 2004
Promote gender equality and empower women of education no later than 2015 (3)	Ratio of young literate females to males (Percentage) - 2002	X		X		UNESCO 2004
Reduce child mortality (4)	Under-five mortality rate (per 1.000 births) – 2002	X		X		WHO 2004
Improve maternal health (5)	Maternal mortality ratio (per 100.000 births) - 2002	X		X		WHO 2004
Combat HIV/AIDS, malaria and other diseases (6)	HIV prevalence (% 15-49 years)	X		X		UNAIDS (Joint United Nations Programme on HIV/AIDS). 2004
Ensure environmental sustainability (7)	Access to improved water supply	X		X		WHO 2004
Develop a global partnership for development (8)	Total ODA Given as Percent of GNP – 2002	X		X		World Bank 2004
WSSD	Access to improved water sanitation (Percentage of total population)	X		X		WHO 2004
	Presence of an Initiated Integrate Water Resource Management Plan, as required by 2005 (Y/N)	X		X		Israel Water Commission
Population dynamics	Urban population (Percentage of total population)	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
	Rural population (Percentage of total population)	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
Development pressures on environment	Total - Water consumption per capita (litres per day per capita) - 2000	X		X		AQUASTAT FAO 2004
	BOD Emissions (Kg/day) - 2004	X		X		World Bank
Environmental health impacts on development	Non sustainable Water production index – 2000 year	X		X		Blue Plan: MARGAT (J.), VALLEE (D.) – Water Resources and uses in the Mediterranean countries: figures and facts, 2000.Plan Bleu
	Rate of change of the occurrence of flood phenomena		X		X	-
	Index of River fragmentation		X		X	-
	Area of wetland drained		X		X	-
	Cholera and epidemic by dysentery (number/year)	X		X		World Health Organization
	Malaria (Number for 1000 persons/ year)	X		X		World Health Organization
Water market	Volume of water market		X		X	-
	Volume of groundwater market (where relevant)		X		X	-

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

Whole sale pricing (Water supply)	Agriculture	X		X		Israel Water Commission
	Industry	X		X		Israel Water Commission
	Domestic		X		X	Israel Water Commission
	Municipality		X		X	Israel Water Commission
Whole sale pricing (Waste water treatment)	Agriculture		X		X	-
	Industry		X		X	-
	Domestic		X		X	-
	Municipality		X		X	-
Whole sale pricing (Private investment in Supply and Sanitation)	Private investment in water supply and sanitation (US\$(PPP)/m ³)		X		X	-
Privatisation of water utilities	Public		X		X	-
	Partly privatised		X		X	-
	Fully privatised		X		X	-

SECTORAL DATA

Short description of the relative socio-economic importance of agricultural sector in the national economy	People employed (% of total labour force)	X		X		FAO 2004
	GDP of agricultural sector (% of total GDP)	X			X	World Bank 2004
	GDP from agriculture, except livestock and aquaculture (as % of GDP)		X		X	-
	GDP from aquaculture (as % of GDP)		X		X	-
	GDP from livestock (as % of GDP)		X		X	-
	Government subsidies to Agricultural sector ((US\$(PPP)/year)		X		X	FAO 2003
	FDI to agricultural sector (as % of total FDI)		X		X	-
Agricultural production by type in Mt	Cereals, Total	X		X		FAO 2004
	Citrus Fruit, Total	X		X		FAO 2004
	Coarse Grain, Total	X		X		FAO 2004
	Fibre Crops Primary	X		X		FAO 2004
	Fruit excl Melons, Total	X		X		Lavy 1997
	Jute & Jute-like Fibres	X		X		FAO 2004
	Oilcakes Equivalent	X		X		FAO 2004
	Oil-cops Primary	X		X		FAO 2004
	Pulses, Total	X		X		FAO 2004
	Roots and Tubers, Total	X		X		FAO 2004
	Tree-nuts, Total	X		X		FAO 2004
	Vegetables & Melons, Total	X		X		FAO 2004
Short description of the relative socio-economic importance of agricultural sector in the national economy	Total import of agricultural sector (as % of total import) -1997	X		X		FAO 2003
	Total export of agricultural sector (as % of total export) - 1997	X		X		FAO 2003
	Food security (Percentage)	X		X		-
	Main agricultural production by crop (tons/year)		X		X	-

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

	Agricultural production index (PIN 99-01)	X		X		FAO 2004
	Average farm dimension (ha)		X		X	FAO 2003
Main indicator of water needs and efficiency in agriculture-livestock and aquaculture productions	Water use in agriculture (cubic km/year)	X		X		FAO AQUASTAT 2003
	Water managed area (ha)	X		X		FAO AQUASTAT 2003
	Water intensity (cubic meters/ha)	X		X		FAO 2003
	Water productivity (US \$ Billions/cubic km)	X		X		FAO AQUASTAT 2003– World Bank
	Specific water demand (by crop production)		X		X	FAO- CROPWAT
Social and economics analysis	People employed (Percentage of total population) - 2003	X		X		Israel Central Bureau for Statistics
	GDP from Energy sub-sector of industry	X		X		Israel Central Bureau for Statistics
	GDP from processing sub-sector of industry		X		X	-
	GDP from transport sub-sector of industry	X		X		Israel Central Bureau for Statistics
General information on the urban water supply and sanitation situation	As percentage of total reference population (Urban access to)	X		X		UNICEF 2001
	As percentage of total reference population (Rural access to)	X		X		UNICEF 2001
	As percentage of total reference population (Total access to)	X		X		UNICEF 2001
Urban water demand and sanitation	Water for domestic use (cubic meter/year)	X			X	AQUASTAT FAO 2004
	Water treated (Million Cubic Meters) 2000		X		X	-
	Hyper chlorination of drinking water (?)		X		X	-
	Quality of water supply (Average hours of suspension of the service per year)		X		X	-
Urban water demand and sanitation (Domestic connections to water supply)	Housing units with piped water (As Percentage of reference housing units) - Total		X		X	UN – HABITAT
	Housing units with piped water (As Percentage of reference housing units) - Urban	X		X		UN – HABITAT
	Housing units with piped water (As Percentage of reference housing units) - Rural	X		X		UN - HABITAT
Urban water demand and sanitation (Domestic connections to sanitation services)	Housing units with toilet (As Percentage of reference housing units) - Total		X		X	UN – HABITAT
	Housing units with toilet (As Percentage of reference housing units) - Urban	X		X		UN – HABITAT
	Housing units with toilet (As Percentage of reference housing units) - Rural	X		X		UN - HABITAT
Role of the tourism industry in the local economy	Tourism receipts (US\$ million) – 2002	X		X		World Tourism Organization
	GDP of tourist sector (Percentage)		X		X	World Tourism Organization
	Public expenditure on tourism development (US\$/year)		X		X	World Tourism Organization
	People employed in tourism sector (Percentage)		X		X	World Tourism Organization
	Number of bed-places per hundred inhabitants (Number)		X		X	World Tourism

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

						Organization
	Tourists arrivals (Number) – 2002	X		X		Israel Central Bureau of Statistics
	Tourist Pressure on WSS infrastructure Ratio		X		X	World Tourism Organization
General information on the urban water supply and sanitation situation (Domestic Water Consumptions)	Water available per capita (cubic meters/ day)		X		X	-
	Total - Water consumption per capita (litres per day per capita) – 2000	X		X		AQUASTAT FAO 2004
	Rural - Water consumption per capita (litres per day per capita)		X		X	World Resources Institute
	Urban - Water consumption per capita (litres per day per capita)	X		X		World Commission

COUNTRY: LEBANON

NATIONAL DATA

Type of Information	Indicators	Available	Not- Available	Sufficient	Insufficient	Source
Socio- demographic Indicators	Population (Million people) - 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Urban Population (Percentage of total population) – 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Population Growth Rate (Percentage) – 1975/2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Population Density (People/km ²)- 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Life expectancy at birth (Years) - 2002	X		X		WHO 2004
	Fertility rate - (Number of children per women)	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
Economy	GDP (Billion US \$ PPP) – 2002	X		X		World Bank 2004
	GDP per Capita (US \$ per Capita) – 2002	X		X		World Bank 2004
	Gini coefficient of income distribution (Index) - 1997	X		X		UNDP 1997
	GDP by Agriculture (Percentage of GDP) – 2002	X		X		World Bank 2004
	GDP by Industry (Percentage of GDP) - 2002	X		X		World Bank 2004
	GDP by Services (Percentage of GDP) – 2002	X		X		World Bank 2004
Employment	Labour force employed in Agriculture (Percentage of total Labour force) – 1998	X		X		FAO Lebanon Country profile 2002
	Labour force employed in Industry (Percentage of total Labour force) – 1998	X		X		FAO Lebanon Country profile 2002
	Labour force employed in Manufacturing (Percentage of total Labour force) –1998	X		X		FAO Lebanon Country profile 2002
	Labour force employed in Services (Percentage of total Labour force) – 1998	X		X		FAO Lebanon Country profile 2002
	Labour force not classified as economic activity (Percentage of total Labour force)		X		X	-
	Unemployment rate (Percentage of total active population) - 1998	X		X		FAO Lebanon Country profile 2002

Millennium Development Goals	Human Development Index (Index) – 2002	X		X		World Bank – UN - 2004
Eradicate extreme poverty and hunger (1)	Population below \$1 a day (Percentage) - 2002	X		X		World Bank 2004
Achieve universal primary education of primary schooling (21)	Education Index - 2002	X		X		UNESCO 2004
Promote gender equality and empower women of education no later than 2015 (3)	Ratio of young literate females to males (Percentage) - 2002	X		X		UNESCO 2004
Reduce child mortality (4)	Under-five mortality rate (per 1.000 births) – 2003	X		X		UNICEF 2003
Improve maternal health (5)	Maternal mortality ratio (per 100.000 births) - 2002	X		X		WHO 2004
Combat HIV/AIDS, malaria and other diseases (6)	HIV prevalence (% 15-49 years)-2003	X		X		UNAIDS 2004
Ensure environmental sustainability (7)	Access to improved water supply	X		X		WHO 2004
Develop a global partnership for development (8)	Total ODA Given as Percent of GNP – 2002	X		X		World Bank 2004
WSSD	Access to improved water sanitation (Percentage of total population)	X		X		WHO 2004
	Presence of an Initiated Integrate Water Resource Management Plan, as required by 2005 (Y/N)		X		X	-
Population dynamics	Urban population (Percentage of total population)	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
	Rural population (Percentage of total population)	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
Development pressures on environment	Total - Water consumption per capita (litres per day per capita) - 2000	X		X		AQUASTAT FAO 2004
	BOD Emissions (Kg/day) - 2004	X		X		World Bank
Environmental health impacts on development	Non sustainable Water production index - year		X		X	-
	Rate of change of the occurrence of flood phenomena		X		X	-
	Index of River fragmentation		X		X	-
	Area of wetland drained		X		X	-
	Cholera and epidemic by dysentery (number/year)	X			X	World Health Organization
	Malaria (Number for 1000 persons/ year)	X			X	World Health Organization
Water market	Volume of water market		X		X	-
	Volume of groundwater market (where relevant)		X		X	-
Whole sale pricing (Water supply)	Agriculture	X			X	ESCWA-UNDP, 2003
	Industry	X			X	ESCWA-UNDP, 2003
	Domestic	X			X	ESCWA-UNDP, 2003
	Municipality	X			X	ESCWA-UNDP, 2003

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Whole sale pricing (Waste water treatment)	Agriculture		X		X	-
	Industry		X		X	-
	Domestic		X		X	-
	Municipality		X		X	-
Whole sale pricing (Private investment in Supply and Sanitation)	Private investment in water supply and sanitation (US\$(PPP)/m ³)		X		X	-
Privatisation of water utilities	Public		X		X	-
	Partly privatised		X		X	-
	Fully privatised		X		X	-

SECTORAL DATA

Short description of the relative socio-economic importance of agricultural sector in the national economy	People employed (% of total labour force)	X		X		FAO 2004
	GDP of agricultural sector (% of total GDP)	X			X	World Bank 2004 US Embassy, 2002
	GDP from agriculture, except livestock and aquaculture (as % of GDP)		X		X	-
	GDP from aquaculture (as % of GDP)		X		X	-
	GDP from livestock (as % of GDP)		X		X	-
	Government subsidies to Agricultural sector ((US\$(PPP)/year)		X		X	-
	FDI to agricultural sector (as % of total FDI)		X		X	-
Agricultural production by type in Mt	Cereals, Total	X			X	-
	Citrus Fruit, Total	X			X	Nimah, 2001
	Coarse Grain, Total	X			X	-
	Fibre Crops Primary	X			X	-
	Fruit excl Melons, Total	X			X	Nimah, 2001
	Jute & Jute-like Fibres	X			X	-
	Oilcakes Equivalent	X			X	-
	Oil-cops Primary	X			X	-
	Pulses, Total	X			X	-
	Roots and Tubers, Total	X			X	-
	Tree-nuts, Total	X			X	-
	Vegetables & Melons, Total	X			X	Nimah, 2001
	Short description of the relative socio-economic importance of agricultural sector in the national economy	Total import of agricultural sector (as % of total import) -1998	X		X	
Total export of agricultural sector (as % of total export) - 1998		X		X		USAID/LEBANON, 2000
Food security (Percentage)		X		X		FAO 2004
Main agricultural production by crop (tons/year)			X		X	-
Agricultural production index (PIN 99-01)		X		X		FAO 2004
Average farm dimension (ha)		X		X		SOE 2001
Main indicator of water needs and	Water use in agriculture (cubic km/year)	X		X		FAO AQUASTAT 2003

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efficiency in agriculture-livestock and aquaculture productions	Water managed area (ha)	X		X		FAO AQUASTAT 2003
	Water intensity (cubic meters/ha)	X		X		FAO 2003
	Water productivity (US \$ Billions/cubic km)	X		X		FAO AQUASTAT 2003-World Bank
	Specific water demand (by crop production)		X		X	-
Social and economics analysis	People employed (Percentage of total population) – 1998	X		X		CDR-IAURIF SDATL, 1998
	GDP from Energy sub-sector of industry -1995	X		X		CDR-IAURIF SDATL, 1998
	GDP from processing sub-sector of industry-1995	X		X		CDR-IAURIF SDATL, 1998
	GDP from transport sub-sector of industry -1995	X		X		CDR-IAURIF SDATL, 1998
General information on the urban water supply and sanitation situation	As percentage of total reference population (Urban access to)-2000	X		X		UNICEF 2001
	As percentage of total reference population (Rural access to)-2000	X		X		UNICEF 2001
	As percentage of total reference population (Total access to)-2000	X		X		UNICEF 2001
Urban water demand and sanitation	Water for domestic use (cubic meter/year)	X			X	AQUASTAT FAO 2004
	Water treated (Million Cubic Meters) 2000	X			X	SOER 2001
	Hyper chlorination of drinking water (?)		X		X	-
	Quality of water supply (Average hours of suspension of the service per year)		X		X	-
Urban water demand and sanitation (Domestic connections to water supply)	Housing units with piped water (As Percentage of reference housing units) - Total	X		X		SOER, 2001 adopted from CAS, 1997
	Housing units with piped water (As Percentage of reference housing units) - Urban		X		X	-
	Housing units with piped water (As Percentage of reference housing units) - Rural		X		X	-
Urban water demand and sanitation (Domestic connections to sanitation services)	Housing units with toilet (As Percentage of reference housing units) - Total		X		X	-
	Housing units with toilet (As Percentage of reference housing units) - Urban		X		X	-
	Housing units with toilet (As Percentage of reference housing units) - Rural		X		X	-
Role of the tourism industry in the local economy	Tourism receipts (US\$ million) – 2002	X		X		World Tourism Organization
	GDP of tourist sector (Percentage)-1995	X		X		World Tourism Organization
	Public expenditure on tourism development (US\$/year)	X		X		Plan Bleu 1999
	People employed in tourism sector (Percentage)-1998	X		X		MOSA & UNDP, 1998
	Number of bed-places per hundred inhabitants (Number)-2002	X		X		World Tourism Organization
	Tourists arrivals (Number) – 2004	X		X		Nahar Newspaper, 2004
	Tourist Pressure on WSS infrastructure Ratio		X		X	-
General information on the urban water	Water available per capita (cubic meters/ day)	X		X		ESCWA, UNDP, 2003

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supply and sanitation situation (Domestic Water Consumptions)	Total - Water consumption per capita (litres per day per capita) – 2000	X		X		AQUASTAT FAO, 2004
	Rural - Water consumption per capita (litres per day per capita)-2000	X		X		ESCWA, UNDP,, 2003
	Urban - Water consumption per capita (litres per day per capita)-2000	X		X		ESCWA, UNDP,2003

COUNTRY: SYRIA

NATIONAL DATA

Type of Information	Indicators	Available	Not- Available	Sufficient	Insufficient	Source
Socio- demographic Indicators	Population (Million people) - 2002	X		X		Syrian Statistical Abstract 2004
	Urban Population (Percentage of total population) – 2002	X		X		Syrian Statistical Abstract 2004
	Population Growth Rate (Percentage) – 1975/2002	X		X		Syrian Statistical Abstract 2004
	Population Density (People/km ²)- 2002	X		X		Syrian Statistical Abstract 2004
	Life expectancy at birth (Years) - 2002	X		X		WHO 2004
	Fertility rate - (Number of children per women)	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
Economy	GDP (Billion US \$ PPP) – 2003	X		X		Syrian Statistical Abstract 2004
	GDP per Capita (US \$ per Capita) – 2003	X		X		Syrian Statistical Abstract 2004
	Gini coefficient of income distribution (Index) – 2003		X		X	Syrian Statistical Abstract 2004
	GDP by Agriculture (Percentage of GDP) – 2003	X		X		Syrian Statistical Abstract 2004
	GDP by Industry (Percentage of GDP) - 2003	X		X		Syrian Statistical Abstract 2004
	GDP by Services (Percentage of GDP) – 2003	X		X		Syrian Statistical Abstract 2004
Employment	Labour force employed in Agriculture (Percentage of total Labour force) – 2004	X		X		Syrian Statistical Abstract 2004
	Labour force employed in Industry (Percentage of total Labour force) – 2004	X		X		Syrian Statistical Abstract 2004
	Labour force employed in Manufacturing (Percentage of total Labour force) – 2004	X		X		Syrian Statistical Abstract 2004
	Labour force employed in Services (Percentage of total Labour force) – 2004	X		X		Syrian Statistical Abstract 2004
	Labour force not classified as economic activity (Percentage of total Labour force) – 2004		X		X	Syrian Statistical Abstract 2004
	Unemployment rate (Percentage of total active population) - 2004	X		X		Syrian Statistical Abstract 2004
Millennium Development Goals	Human Development Index (Index) – 2002	X		X		World Bank – UN - 2004
Eradicate extreme poverty and hunger (1)	Population below \$1 a day (Percentage) - 2002	X		X		World Bank 2004
Achieve universal primary education of	Education Index - 2002	X		X		UNESCO 2004

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primary schooling (21)					
Promote gender equality and empower women of education no later than 2015 (3)	Ratio of young literate females to males (Percentage) - 2002	X		X	UNESCO 2004
Reduce child mortality (4)	Under-five mortality rate (per 1.000 births) – 2002	X		X	WHO 2004
Improve maternal health (5)	Maternal mortality ratio (per 100.000 births) - 2002	X		X	WHO 2004
Combat HIV/AIDS, malaria and other diseases (6)	HIV prevalence (% 15-49 years)	X		X	UNAIDS (Joint United Nations Programme on HIV/AIDS). 2004
Ensure environmental sustainability (7)	Access to improved water supply	X		X	WHO 2004
Develop a global partnership for development (8)	Total ODA Given as Percent of GNP – 2002	X		X	World Bank 2004
WSSD	Access to improved water sanitation (Percentage of total population)	X		X	WHO 2004
	Presence of an Initiated Integrate Water Resource Management Plan, as required by 2005 (Y/N)	X		X	Ministry of Irrigation
Population dynamics	Urban population (Percentage of total population)	X		X	UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004, Syrian Statistical Abstract 2004
	Rural population (Percentage of total population)	X		X	UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004, Syrian Statistical Abstract 2004
Development pressures on environment	Total - Water consumption per capita (litres per day per capita) - 2000	X		X	Ministry of Hosing
	BOD Emissions (Kg/day) - 2004	X		X	Estimation
Environmental health impacts on development	Non sustainable Water production index - year	X		X	Blue Plan: MARGAT (J.), VALLEE (D.) – Water Resources and uses in the Mediterranean countries: figures and facts, 2000.Plan Bleu
	Rate of change of the occurrence of flood phenomena	X		X	M.O.I.
	Index of River fragmentation	X		X	M.O.I
	Area of wetland drained	X		X	M.O.I.
	Cholera and epidemic by dysentery (number/year)	X		X	WHO
	Malaria (Number for 1000 persons/ year)	X		X	WHO
Water market	Volume of water market	X		X	Ministry of Hosing
	Volume of groundwater market (where relevant)	X		X	Ministry of Hosing
Whole sale pricing (Water supply)	Agriculture	X		X	Ministry of Hosing – App.Estimation

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	Industry	X		X		Ministry of Hosing – App.Estimation
	Domestic	X		X		Ministry of Hosing – App.Estimation
	Municipality	X		X		Ministry of Hosing – App.Estimation
Whole sale pricing (Waste water treatment)	Agriculture	X			X	Ministry of Hosing
	Industry	X			X	Ministry of Hosing
	Domestic	X			X	Ministry of Hosing
	Municipality	X			X	Ministry of Hosing
Whole sale pricing (Private investment in Supply and Sanitation)	Private investment in water supply and sanitation (US\$(PPP)/m ³)		X		X	-
Privatisation of water utilities	Public	X			X	Ministry of Hosing
	Partly privatised	X			X	Ministry of Hosing
	Fully privatised	X			X	Ministry of Hosing

SECTORAL DATA

Short description of the relative socio-economic importance of agricultural sector in the national economy	People employed (% of total labour force)	X		X		FAO 2004
	GDP of agricultural sector (% of total GDP)	X		X		Syrian Statistical Abstract
	GDP from agriculture, except livestock and aquaculture (as % of GDP)	X		X		Syrian Statistical Abstract
	GDP from aquaculture (as % of GDP)	X		X		Syrian Statistical Abstract
	GDP from livestock (as % of GDP)	X		X		-
	Government subsidies to Agricultural sector ((US\$(PPP)/year)	X		X		FAO 2003
	FDI to agricultural sector (as % of total FDI)	X		X		-
Agricultural production by type in Mt	Cereals, Total	X		X		SSS 2004
	Citrus Fruit, Total	X		X		SSS 2004
	Coarse Grain, Total	X		X		SSS 2004
	Fibre Crops Primary	X		X		SSS 2004
	Fruit excl Melons, Total	X		X		SSS 2004
	Jute & Jute-like Fibres	X		X		SSS 2004
	Oilcakes Equivalent	X		X		FAO 2004
	Oil-cops Primary	X		X		SSS 2004
	Pulses, Total	X		X		FAO 2004
	Roots and Tubers, Total	X		X		SSS 2004
	Tree-nuts, Total	X		X		SSS 2004
	Vegetables & Melons, Total	X		X		SSS 2004
Short description of the relative socio-economic importance of agricultural sector in the national economy	Total import of agricultural sector (as % of total import) -1997	X		X		SSS 2004
	Total export of agricultural sector (as % of total export) - 1997	X		X		SSS 2004
	Food security (Percentage)	X		X		SSS 2004
	Main agricultural production by crop (tons/year)	X		X		SSS 2004

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	Agricultural production index (PIN 99-01)	X		X		SSS 2004
	Average farm dimension (ha)	X		X		SSS 2004
Main indicator of water needs and efficiency in agriculture-livestock and aquaculture productions	Water use in agriculture (cubic km/year)	X		X		MINISTRY OF IRRIGATION 2004
	Water managed area (ha)	X		X		FAO AQUASTAT 2003
	Water intensity (cubic meters/ha)	X		X		SSS 2004
	Water productivity (US \$ Billions/cubic km)	X		X		SSS 2004
	Specific water demand (by crop production)	X		X		FAO-CROPWAT
Social and economics analysis	People employed (Percentage of total population) - 2003	X		X		SSS 2004
	GDP from Energy sub-sector of industry	X		X		SSS 2004
	GDP from processing sub-sector of industry	X		X		SSS 2004
	GDP from transport sub-sector of industry	X		X		SSS 2004
General information on the urban water supply and sanitation situation	As percentage of total reference population (Urban access to)	X		X		Ministry of Hosing 2004
	As percentage of total reference population (Rural access to)	X		X		Ministry of Hosing 2004
	As percentage of total reference population (Total access to)	X		X		Ministry of Hosing 2004
Urban water demand and sanitation	Water for domestic use (cubic meter/year)	X		X		SSS 2004
	Water treated (Million Cubic Meters) 2000	X		X		SSS 2004
	Hyper chlorination of drinking water (?)	X		X		Ministry of Hosing 2004
	Quality of water supply (Average hours of suspension of the service per year)	X			X	Estimation
Urban water demand and sanitation (Domestic connections to water supply)	Housing units with piped water (As Percentage of reference housing units) - Total	X		X		Ministry of Hosing 2004
	Housing units with piped water (As Percentage of reference housing units) - Urban	X		X		Ministry of Hosing 2004
	Housing units with piped water (As Percentage of reference housing units) - Rural	X		X		Ministry of Hosing 2004
Urban water demand and sanitation (Domestic connections to sanitation services)	Housing units with toilet (As Percentage of reference housing units) - Total	X		X		Ministry of local Administration and Environment (MLAE)
	Housing units with toilet (As Percentage of reference housing units) - Urban	X		X		MLAE
	Housing units with toilet (As Percentage of reference housing units) - Rural	X		X		MLAE
Role of the tourism industry in the local economy	Tourism receipts (US\$ million) – 2004	X		X		Ministry of Tourism
	GDP of tourist sector (Percentage)	X		X		Ministry of Tourism
	Public expenditure on tourism development (US\$/year)	X		X		Ministry of Tourism
	People employed in tourism sector (Percentage)	X		X		SSS 2004
	Number of bed-places per hundred inhabitants (Number)	X		X		SSS 2004
	Tourists arrivals (Number) – 2002	X		X		SSS 2004
	Tourist Pressure on WSS infrastructure Ratio	X			X	Estimation
General information on the urban water	Water available per capita (cubic meters/ day)	X		X		SSS 2004

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

supply and sanitation situation (Domestic Water Consumptions)	Total - Water consumption per capita (litres per day per capita) – 2000	X		X		SSS 2004
	Rural - Water consumption per capita (litres per day per capita)	X		X		SSS 2004
	Urban - Water consumption per capita (litres per day per capita)	X		X		SSS 2004

COUNTRY: EGYPT

NATIONAL DATA

Type of Information	Indicators	Available	Not- Available	Sufficient	Insufficient	Source
Socio- demographic Indicators	Population (Million people) - 2002	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
	Urban Population (Percentage of total population) – 2002	X		X		
	Population Growth Rate (Percentage) – 1975/2002	X		X		
	Population Density (People/km ²)- 2002	X		X		
	Life expectancy at birth (Years) - 2002	X		X		
	Fertility rate - (Number of children per women)	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
Economy	GDP (Billion US \$ PPP) – 2002	X		X		World Bank 2004
	GDP per Capita (US \$ per Capita) – 2002	X		X		
	Gini coefficient of income distribution (Index) - 2002	X		X		
	GDP by Agriculture (Percentage of GDP) – 2002	X		X		
	GDP by Industry (Percentage of GDP) - 2002	X		X		
	GDP by Services (Percentage of GDP) – 2002	X		X		
Employment	Labour force employed in Agriculture (Percentage of total Labour force) – 2002	X		X		International Labour Organisation 2004
	Labour force employed in Industry (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Manufacturing (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Services (Percentage of total Labour force) – 2002	X		X		
	Labour force not classified as economic activity (Percentage of total Labour force) – 2002	X		X		
	Unemployment rate (Percentage of total active population) - 2002	X		X		
Millennium Development Goals	Human Development Index (Index) – 2002	X		X		World Bank – UN – 2004
Eradicate extreme poverty and hunger (1)	Population below \$1 a day (Percentage) - 2002	X		X		World Bank 2004
Achieve universal primary education of primary schooling (2)	Education Index - 2002	X		X		UNESCO 2004
Promote gender equality and empower women of education no later than 2015 (3)	Ratio of young literate females to males (Percentage) - 2002	X		X		
Reduce child mortality (4)	Under-five mortality rate (per 1.000 births) – 2004	X		X		WHO – World Health Report 2004
Improve maternal health (5)	Maternal mortality ratio (per 100.000 births) - 2004	X		X		
Combat HIV/AIDS, malaria and other diseases (6)	HIV prevalence (% 15-49 years)	X		X		UNAIDS (Joint United Nations)

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						Programme on HIV/AIDS). 2004
Ensure environmental sustainability (7)	Access to improved water supply	X		X		WHO – World Health Report 2004
Develop a global partnership for development (8)	Total ODA Given as Percent of GNP – 2002	X		X		UNDP – Human Development Report 2004
WSSD	Access to improved water sanitation (Percentage of total population)	X		X		WHO – World Health Report 2004
	Presence of an Initiated Integrate Water Resource Management Plan, as required by 2005 (Y/N)	X		X		World Summit on Sustainable Development– Egypt Country Profile 2002
Population dynamics	Urban population (Percentage of total population)	X		X		UNDP – Human Development Report 2004
	Rural population (Percentage of total population)	X		X		
Development pressures on environment	Total - Water consumption per capita (litres per day per capita) - 2000		X		X	
	BOD Emissions (Kg/day) - 1999	X		X		World Bank – World Development Indicators 2002
Environmental health impacts on development	Non sustainable Water production index – year 2000	X		X		Blue Plan: MARGAT (J.), VALLEE (D.) – Water Resources and uses in the Mediterranean countries: figures and facts, 2000. Plan Bleu
	Rate of change of the occurrence of flood phenomena	X		X		Derived from available flood data in OFDA/CRED International Disaster Database www.em-dat.net - Université Catholique de Louvain - Brussels - Belgium
	Index of River fragmentation	X		X		World Resources Institute 2004
	Area of wetland drained	X		X		MedWetCoast Land Use Study for Lake Burullus– Nov. 2001
	Cholera and epidemic by dysentery (number/year)	X		X		World Health Organization
	Malaria (Number for 1000 persons/ year)	X		X		
Water market	Volume of water market	X		X		Estimated from data of World Resources Institute – 2000/2001
	Volume of groundwater market (where relevant)		X		X	
Whole sale pricing (Water supply)	Agriculture	X		X		Estimated from expenditure figures
	Industry	X		X		

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

	Domestic	X		X		Ministry of Planning 2004/2005
	Municipality	X		X		
Whole sale pricing (Waste water treatment)	Agriculture	X		X		Estimated from figures published by Ministry of Planning and Ministry of Industry 2004/2005
	Industry	X		X		
	Domestic	X		X		
	Municipality	X		X		
Whole sale pricing (Private investment in Supply and Sanitation)	Private investment in water supply and sanitation (US\$(PPP)/m ³)	X		X		Ministry of Planning – WSS plan for 2004/2005
Privatisation of water utilities	Public	X		X		Inquiries from end users
	Partly privatised		X	X		No privatisation of water companies took place
	Fully privatised	X		X		National Environmental Action Plan of Egypt - 2002

SECTORAL DATA

Short description of the relative socio-economic importance of agricultural sector in the national economy	People employed (% of total labour force)	X		X		FAO 2004
	GDP of agricultural sector (% of total GDP)	X		X		World Bank 2004
	GDP from agriculture, except livestock and aquaculture (as % of GDP)	X		X		Ministry of Agriculture Data Base
	GDP from aquaculture (as % of GDP)	X		X		
	GDP from livestock (as % of GDP)	X		X		
	Government subsidies to Agricultural sector ((US\$(PPP)/year)		X	X		FAO 2003
	FDI to agricultural sector (as % of total FDI)		X		X	
Agricultural production by type in Mt	Cereals, Total	X		X		FAO 2004
	Citrus Fruit, Total	X		X		
	Coarse Grain, Total	X		X		
	Fibre Crops Primary	X		X		
	Fruit excl Melons, Total	X		X		
	Jute & Jute-like Fibres	X		X		
	Oilcakes Equivalent	X		X		
	Oil-cops Primary	X		X		
	Pulses, Total	X		X		
	Roots and Tubers, Total	X		X		
	Tree-nuts, Total	X		X		
	Vegetables & Melons, Total	X		X		
	Short description of the relative socio-economic importance of agricultural sector in the national economy	Total import of agricultural sector (as % of total import) -1997	X		X	
Total export of agricultural sector (as % of total export) - 1997		X		X		
Food security (Percentage)		X		X		
Main agricultural production by crop (tons/year)			X		X	

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

	Agricultural production index (PIN 99-01)	X		X		FAO 2004
	Average farm dimension (ha)	X		X		FAO 2003
Main indicator of water needs and efficiency in agriculture-livestock and aquaculture productions	Water use in agriculture (cubic km/year)	X		X		FAO AQUASTAT 2003
	Water managed area (ha)	X		X		
	Water intensity (cubic meters/ha)	X		X		FAO 2003
	Water productivity (US \$ Billions/cubic km)	X		X		FAO AQUASTAT 2003, WB
	Specific water demand (by crop production)			X		X
Social and economics analysis	People employed (Percentage of total population) - 2003	X		X		
	GDP from Energy sub-sector of industry	X		X		CAPMAS 2003
	GDP from processing sub-sector of industry	X		X		
	GDP from transport sub-sector of industry	X		X		
General information on the urban water supply and sanitation situation	As percentage of total reference population (Urban access to)	X		X		UNDP –Human Development Report 2004
	As percentage of total reference population (Rural access to)	X		X		
	As percentage of total reference population (Total access to)	X		X		
Urban water demand and sanitation	Water for domestic use (cubic meter/year)	X		X		IDSC statistics
	Water treated (Million Cubic Meters) 2000	X		X		
	Hyper chlorination of drinking water (?)			X		X
	Quality of water supply (Average hours of suspension of the service per year)			X		X
Urban water demand and sanitation (Domestic connections to water supply)	Housing units with piped water (As Percentage of reference housing units) - Total	X		X		UN - HABITAT
	Housing units with piped water (As Percentage of reference housing units) - Urban	X		X		
	Housing units with piped water (As Percentage of reference housing units) - Rural	X		X		
Urban water demand and sanitation (Domestic connections to sanitation services)	Housing units with toilet (As Percentage of reference housing units) - Total	X		X		UN - HABITAT
	Housing units with toilet (As Percentage of reference housing units) - Urban	X		X		
	Housing units with toilet (As Percentage of reference housing units) - Rural	X		X		
Role of the tourism industry in the local economy	Tourism receipts (US\$ million) – 2002	X		X		World Tourism Organization
	GDP of tourist sector (Percentage)	X		X		Estimate using Ministry of Planning Published Indicators
	Public expenditure on tourism development (US\$/year)	X		X		Ministry of Planning
	People employed in tourism sector (Percentage)	X		X		World Tourism Organization
	Number of bed-places per hundred inhabitants (Number)	X		X		Plan Bleu

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

	Tourists arrivals (Number) – 2002	X		X		World Tourism Organization
	Tourist Pressure on WSS infrastructure Ratio	X		X		Estimate
General information on the urban water supply and sanitation situation (Domestic Water Consumptions)	Water available per capita (cubic meters/ day)	X		X		Dertived from data in AQUASTAT FAO 2003
	Total - Water consumption per capita (litres per day per capita) – 2000	X		X		AQUASTAT FAO 2003
	Rural - Water consumption per capita (litres per day per capita)	X		X		Estimated from
	Urban - Water consumption per capita (litres per day per capita)	X		X		CAPMAS DATA 2004

COUNTRY: TUNISIA

NATIONAL DATA

Type of Information	Indicators	Available	Not-Available	Sufficient	Insufficient	Source
Socio- demographic Indicators	Population (Million people) - 2002	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
	Urban Population (Percentage of total population) – 2002	X		X		
	Population Growth Rate (Percentage) – 1975/2002	X		X		
	Population Density (People/km ²)- 2002	X		X		
	Life expectancy at birth (Years) - 2002	X		X		
	Fertility rate - (Number of children per women)	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
Economy	GDP (Billion US \$ PPP) – 2002	X		X		World Bank 2004
	GDP per Capita (US \$ per Capita) – 2002	X		X		
	Gini coefficient of income distribution (Index) - 2002	X		X		
	GDP by Agriculture (Percentage of GDP) – 2002	X		X		
	GDP by Industry (Percentage of GDP) - 2002	X		X		
	GDP by Services (Percentage of GDP) – 2002	X		X		
Employment	Labour force employed in Agriculture (Percentage of total Labour force) – 2002	X		X		International Labour Organization
	Labour force employed in Industry (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Manufacturing (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Services (Percentage of total Labour force) – 2002	X		X		
	Labour force classified as economic activity (Percentage of total Labour force) – 1997	X		X		INS 1997
	Labour force not classified as economic activity (Percentage of total Labour force) – 2002	X		X		
	Unemployment rate (Percentage of total active population) - 2002	X		X		IDD 2003
Millennium Development Goals	Human Development Index (Index) – 2002	X		X		World Bank – UN – 2004
Eradicate extreme poverty and hunger (1)	Population below \$1 a day (Percentage) - 2002	X		X		World Bank - 2004
Achieve universal primary education of primary schooling (2)	Education Index - 2002	X		X		UNESCO 2004
Promote gender equality and empower women of education no later than 2015 (3)	Ratio of young literate females to males (Percentage) - 2002	X		X		

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

Reduce child mortality (4)	Under-five mortality rate (per 1.000 births) – 2002	X		X		WHO 2004
Improve maternal health (5)	Maternal mortality ratio (per 100.000 births) - 2002	X		X		
Combat HIV/AIDS, malaria and other diseases (6)	HIV prevalence (% 15-49 years)	X		X		UNAIDS (Joint United Nations Programme on HIV/AIDS). 2004
Ensure environmental sustainability (7)	Access to improved water supply	X		X		WHO 2004
Develop a global partnership for development (8)	Total ODA Given as Percent of GNP – 2002	X		X		World Bank 2004
WSSD	Access to improved water sanitation (Percentage of total population)	X		X		WHO 2004
	Presence of an Initiated Integrate Water Resource Management Plan, as required by 2005 (Y/N)	X		X		Currently achieved
Population dynamics	Urban population (Percentage of total population)	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
	Rural population (Percentage of total population)	X		X		
Development pressures on environment	Total - Water consumption per capita (litres per day per capita) - 2000	X		X		AQUASTAT FAO 2004
	BOD Emissions (Kg/day) - 2004	X		X		World Bank
Environmental health impacts on development	Non sustainable Water production index - year	X		X		Blue Plan: MARGAT (J.), VALLEE (D.) – Water Resources and uses in the Mediterranean countries: figures and facts, 2000.Plan Bleu
	Rate of change of the occurrence of flood phenomena		X		X	
	Index of River fragmentation		X		X	
	Area of wetland drained	X		X		IDD 2003
	Cholera and epidemic by dysentery (number/year)	X		X		World Health Organization
	Malaria (Number for 1000 persons/ year)	X		X		
Water market	Volume of water market	X		X		SONEDE
	Volume of groundwater market (where relevant)	X		X		
Whole sale pricing (Water supply)	Agriculture	X		X		SONEDE
	Industry	X		X		
	Domestic	X		X		
	Municipality	X		X		
Whole sale pricing (Waste water treatment)	Agriculture	X			X	SDAT 1996
	Industry	X			X	
	Domestic	X			X	
	Municipality	X			X	

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

Whole sale pricing (Private investment in Supply and Sanitation)	Private investment in water supply and sanitation (US\$(PPP)/m ³)	X		X		SONEDE
Privatisation of water utilities	Public	X		X		SONEDE
	Partly privatised	X		X		
	Fully privatised	X		X		
SECTORAL DATA						
Short description of the relative socio-economic importance of agricultural sector in the national economy	People employed (% of total labour force)	X		X		FAO 2004
	GDP of agricultural sector (% of total GDP)	X		X		World Bank 2004
	GDP from agriculture, except livestock and aquaculture (as % of GDP)	X			X	
	GDP from aquaculture (as % of GDP)		X		X	
	GDP from livestock (as % of GDP)	X			X	World Bank 2004
	Government subsidies to Agricultural sector ((US\$(PPP)/year)	X			X	FMI 2003
	FDI to agricultural sector (as % of total FDI)	X		X		FIPA 2003
Agricultural production by type in Mt	Cereals, Total	X		X		FAO 2004
	Citrus Fruit, Total	X		X		
	Coarse Grain, Total	X			X	
	Fibre Crops Primary	X			X	
	Fruit excl Melons, Total	X			X	
	Jute & Jute-like Fibres		X		X	
	Oilcakes Equivalent	X			X	
	Oil-cops Primary	X		X		
	Pulses, Total	X			X	
	Roots and Tubers, Total	X		X		
	Tree-nuts, Total	X			X	
	Vegetables & Melons, Total	X		X		
	Short description of the relative socio-economic importance of agricultural sector in the national economy	Total import of agricultural sector (as % of total import) -1997	X		X	
Total export of agricultural sector (as % of total export) - 1997		X		X		
Food security (Percentage)		X		X		
Main agricultural production by crop (tons/year)		X		X		ONAGRI 2003
Agricultural production index (PIN 99-01)		X		X		FAO 2004
Average farm dimension (ha)		X		X		FAO 1997
Main indicator of water needs and efficiency in agriculture-livestock and aquaculture productions	Water use in agriculture (cubic km/year)	X		X		FAO AQUASTAT 2003
	Water managed area (ha)	X		X		
	Water intensity (cubic meters/ha)	X		X		FAO 2003
	Water productivity (US \$ Billions/cubic km)	X		X		FAO AQUASTAT 2003 – World Bank
	Specific water demand (by crop production)		X	X		FAO-CROPWAT

Social and economics analysis	People employed (Percentage of total population) - 2003	X		X		International Labour Organization 2002 – IDD 2003
	Part of the industry in the GDP – 2002	X		X		World Bank 2004
	GDP from various sub-sector of industry	X		X		World factbook
	GDP from Energy sub-sector of industry	X		X		
	GDP from processing sub-sector of industry		X		X	
	GDP from transport sub-sector of industry	X		X		Observatoire économique
	Product of manufacturing Industry - Billions of dinars - 2001	X		X		Ministry of Economic Development
	Investment - Million of dinars - 2001	X		X		
	Value of the exports - Billions of dinars - 2001	X		X		INS
General information on the urban water supply and sanitation situation	As percentage of total reference population (Urban access to)	X		X		FAO AQUASTAT 2004
	As percentage of total reference population (Rural access to)	X		X		World Resource Institute
	As percentage of total reference population (Total access to)	X		X		
Urban water demand and sanitation	Water for domestic use (cubic meter/year)	X		X		SONEDE 2004
	Water treated (Million Cubic Meters) 2000	X			X	
	Hyper chlorination of drinking water (?)	X			X	
	Quality of water supply (Average hours of suspension of the service per year)		X		X	
Urban water demand and sanitation (Domestic connections to water supply)	Housing units with piped water (As Percentage of reference housing units) - Total	X		X		SONEDE 2000
	Housing units with piped water (As Percentage of reference housing units) - Urban	X		X		
	Housing units with piped water (As Percentage of reference housing units) - Rural	X		X		
Urban water demand and sanitation (Domestic connections to sanitation services)	Housing units with toilet (As Percentage of reference housing units) - Total	X		X		UN - HABITAT
	Housing units with toilet (As Percentage of reference housing units) - Urban	X		X		
	Housing units with toilet (As Percentage of reference housing units) - Rural	X		X		
Role of the tourism industry in the local economy	Tourism receipts (US\$ million) – 2002, 2003	X		X		SESRTCIC
	GDP of tourist sector (Percentage)	X		X		
	Public expenditure on tourism development (US\$/year)	X		X		
	People employed in tourism sector (Percentage)	X		X		
	Number of bed-places per hundred inhabitants (Number) – 2003	X		X		World Tourism Organization
	Number of hotels (Number) - 2003	X		X		
	Volume of water	X		X		
	Tourists arrivals (Number) – 2002	X		X		
Tourist Pressure on WSS infrastructure Ratio		X	X			

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

General information on the urban water supply and sanitation situation (Domestic Water Consumptions)	Population (thousands)	X		X		INS 2003
	Rate of servicing (% of total population)	X		X		
	Rate of households supplying (% of total households)	X		X		
	Water available per capita (cubic meters/ day)	X		X		AQUASTAT FAO 2004
	Total - Water consumption per capita (litres per day per capita) – 2000	X		X		
	Rural - Water consumption per capita (litres per day per capita)	X		X		World Resource Institute
	Urban - Water consumption per capita (litres per day per capita)	X		X		

COUNTRY: ALGERIA

NATIONAL DATA

Type of Information	Indicators	Available	Not- Available	Sufficient	Insufficient	Source
Socio- demographic Indicators	Population (Million people) - 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Urban Population (Percentage of total population) – 2002	X		X		
	Population Growth Rate (Percentage) – 1975/2002	X		X		
	Population Density (People/km ²)- 2002	X		X		
	Life expectancy at birth (Years) - 2002	X		X		WHO 2004
	Fertility rate - (Number of children per women)	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
Economy	GDP (Billion US \$ PPP) – 2002	X		X		World Bank 2004
	GDP per Capita (US \$ per Capita) – 2002	X		X		
	Gini coefficient of income distribution (Index) - 2002	X		X		
	GDP by Agriculture (Percentage of GDP) – 2002	X		X		
	GDP by Industry (Percentage of GDP) - 2002	X		X		
	GDP by Services (Percentage of GDP) – 2002	X		X		
Employment	Labour force employed in Agriculture (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Industry (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Manufacturing (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Services (Percentage of total Labour force) – 2002	X		X		
	Labour force not classified as economic activity (Percentage of total Labour force) – 2002	X		X		
	Unemployment rate (Percentage of total active population) - 2002	X (2003)				IMF 2004
Millennium Development Goals	Human Development Index (Index) – 2002	X		X		World Bank –UN – 2004
Eradicate extreme poverty and hunger (1)	Population below \$1 a day (Percentage) - 2002	X		X		World Bank 2004
Achieve universal primary education of primary schooling (2)	Education Index - 2002	X		X		UNESCO 2004
Promote gender equality and empower women of education no later than 2015 (3)	Ratio of young literate females to males (Percentage) - 2002	X		X		UNESCO 2004
Reduce child mortality (4)	Under-five mortality rate (per 1.000 births) – 2002	X		X		WHO 2004
Improve maternal health (5)	Maternal mortality ratio (per 100.000 births) - 2002	X		X		WHO 2004
Combat HIV/AIDS, malaria and other diseases (6)	HIV prevalence (% 15-49 years)	X		X		UNAIDS (Joint United Nations Programme on HIV/AIDS).

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

						2004	
Ensure environmental sustainability (7)	Access to improved water supply	X		X		WHO 2004	
Develop a global partnership for development (8)	Total ODA Given as Percent of GNP – 2002	X		X		World Bank 2004	
WSSD	Access to improved water sanitation (Percentage of total population)	X		X		WHO 2004	
	Presence of an Initiated Integrate Water Resource Management Plan, as required by 2005 (Y/N)	X		X			
Population dynamics	Urban population (Percentage of total population)	X		X		UN (United Nations) Department of Economic and Social Affairs. Population Division. New York 2004	
	Rural population (Percentage of total population)	X		X			
Development pressures on environment	Total - Water consumption per capita (litres per day per capita) - 2000			X		X	
	BOD Emissions (Kg/day) - 2004	X		X		World Bank	
Environmental health impacts on development	Non sustainable Water production index - year	X		X		Blue Plan: MARGAT (J.), VALLEE (D.) – Water RESources and Uses Mediterranean countries: figures and facts, 2000. Plan Blue	
	Rate of change of the occurrence of flood phenomena			X		X	
	Index of River fragmentation			X		X	
	Area of wetland drained			X		X	
	Cholera and epidemic by dysentery (number/year)	X		X		World Health Organization	
	Malaria (Number for 1000 persons/ year)	X		X			
Water market	Volume of water market	X		X		ADE (2004), MRE (2003)	
	Volume of groundwater market (where relevant)	X		X		ADE (2004)	
Whole sale pricing (Water supply)	Agriculture	X		X		CNES	
	Industry	X		X			
	Domestic	X		X			
	Municipality	X		X			
Whole sale pricing (Waste water treatment)	Agriculture			X		PNAEDD 2002	
	Industry	X					
	Domestic			X			X
	Municipality	X					
Whole sale pricing (Private investment in Supply and Sanitation)	Private investment in water supply and sanitation (US\$(PPP)/m ³)			X		X	
Privatisation of water utilities	Public			X		X	
	Partly privatised			X		X	
	Fully privatised			X		X	

SECTORAL DATA

Short description of the relative socio-economic importance of agricultural	People employed (% of total labour force)	X		X		FAO 2004
	GDP of agricultural sector (% of total GDP)	X		X		World Bank 2004, IMF 2004

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

sector in the national economy	GDP from agriculture, except livestock and aquaculture (as % of GDP)		X		X	
	GDP from aquaculture (as % of GDP)		X		X	
	GDP from livestock (as % of GDP)		X		X	
	Government subsidies to Agricultural sector ((US\$(PPP)/year)		X		X	FAO 2003
	FDI to agricultural sector (as % of total FDI)		X		X	
Agricultural production by type in Mt	Cereals, Total	X		X		FAO 2004
	Citrus Fruit, Total	X		X		
	Coarse Grain, Total	X		X		
	Fibre Crops Primary	X		X		
	Fruit excl Melons, Total	X		X		
	Jute & Jute-like Fibres		X		X	
	Oilcakes Equivalent	X		X		
	Oil-cops Primary	X		X		
	Pulses, Total	X		X		
	Roots and Tubers, Total		X		X	
	Tree-nuts, Total		X		X	
	Vegetables & Melons, Total		X		X	
Short description of the relative socio-economic importance of agricultural sector in the national economy	Total import of agricultural sector (as % of total import) -1997	X		X		FAO 2003
	Total export of agricultural sector (as % of total export) - 1997	X		X		
	Food security (Percentage)	X		X		
	Main agricultural production by crop (tons/year)		X		X	
	Agricultural production index (PIN 99-01)	X		X		FAO 2004
	Average farm dimension (ha)	X		X		FAO 2003
Main indicator of water needs and efficiency in agriculture-livestock and aquaculture productions	Water use in agriculture (cubic km/year)	X		X		FAO AQUASTAT 2003
	Water managed area (ha)	X		X		
	Water intensity (cubic meters/ha)	X		X		FAO 2003
	Water productivity (US \$ Billions/cubic km)	X		X		FAO AQUASTAT 2003 – World Bank
	Specific water demand (by crop production)		X		X	FAO – CROPWAT
Social and economics analysis	People employed (Percentage of total population) - 2003	X		X		BC Berlin Consult – 1994
	GDP from Energy sub-sector of industry	X		X		GHG Inventory CNI – Algeria 2002
	GDP from processing sub-sector of industry	X		X		
	GDP from transport sub-sector of industry		X		X	
General information on the urban water supply and sanitation situation (Access to Water and Sanitation Services)	As percentage of total reference population (Urban access to)	X			X	UNICEF 2001
	As percentage of total reference population (Rural access to)	X			X	
	As percentage of total reference population (Total access to)	X			X	
Urban water demand and sanitation	Water for domestic use (cubic meter/year)	X			X	RAE sept.98
	Water treated (Million Cubic Meters) 2000	X			X	

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

						METAP 93
	Hyper chlorination of drinking water (?)	X			X	
	Quality of water supply (Average hours of suspension of the service per year)	X			X	
Urban water demand and sanitation (Domestic connections to water supply)	Housing units with piped water (As Percentage of reference housing units) - Total	X		X		UN – HABITAT
	Housing units with piped water (As Percentage of reference housing units) - Urban	X		X		
	Housing units with piped water (As Percentage of reference housing units) - Rural	X		X		
Urban water demand and sanitation (Domestic connections to sanitation services)	Housing units with toilet (As Percentage of reference housing units) - Total	X		X		UN – HABITAT
	Housing units with toilet (As Percentage of reference housing units) - Urban	X		X		
	Housing units with toilet (As Percentage of reference housing units) - Rural	X		X		
Role of the tourism industry in the local economy	Tourism receipts (US\$ million) – 2002	X				World Tourism Organization
	GDP of tourist sector (Percentage)		X			
	Public expenditure on tourism development (US\$/year)		X			
	People employed in tourism sector (Percentage)		X			
	Number of bed-places per hundred inhabitants (Number)	X		X		
	Tourists arrivals (Number) – 2002	X		X		
	Tourist Pressure on WSS infrastructure Ratio		X			World Tourism Organization
General information on the urban water supply and sanitation situation (Domestic Water Consumptions)	Water available per capita (cubic meters/ day)	X		X		RAE sept.98
	Total - Water consumption per capita (litres per day per capita) 2000	X		X		CENEAP 1999
	Rural - Water consumption per capita (litres per day per capita)		X		X	
	Urban - Water consumption per capita (litres per day per capita)		X		X	

COUNTRY: MOROCCO

NATIONAL DATA

Type of Information	Indicators	Available	Not- Available	Sufficient	Insufficient	Source
Socio- demographic Indicators	Population (Million people) – 2004	X		X		Direction of Statistics Morocco 2005
	Urban Population (Percentage of total population) – 2004	X		X		
	Population Growth Rate (Percentage) – 1994/2004	X		X		
	Population Density (People/km ²)- 2004	X		X		
	Life expectancy at birth (Years) - 2002	X		X		WHO 2004
	Fertility rate - (Number of children per women)	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
Economy	GDP (Billion US \$ PPP) – 2004	X		X		Ministry of Finance- Morocco 2005
	GDP per Capita (US \$ per Capita) – 2003	X		X		CIA-World factbook-2005
	Gini coefficient of income distribution (Index) - 2002	X		X		World Bank 2004
	GDP by Agriculture (Percentage of GDP) – 2004	X		X		Ministry of Finance- Morocco 2005
	GDP by Industry (Percentage of GDP) - 2004	X		X		
	GDP by Services (Percentage of GDP) – 2004	X		X		
Employment	Labour force employed in Agriculture (Percentage of total Labour force) – 2002	X		X		International Labour Organization
	Labour force employed in Industry (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Manufacturing (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Services (Percentage of total Labour force) – 2002	X		X		
	Labour force not classified as economic activity (Percentage of total Labour force) – 2002	X		X		
	Unemployment rate (Percentage of total active population) - 2004	X		X		Ministry of Finance 2005
	Unemployment rate (Percentage of total active population) – 1997-2000	X		X		
Millennium Development Goals	Human Development Index (Index) – 2002	X		X		World Bank – UN – 2004
Eradicate extreme poverty and hunger (1)	Population below \$1 a day (Percentage) - 2002	X		X		World Bank 2004
Achieve universal primary education of primary schooling (2)	Education Index - 2002	X		X		UNESCO 2004
Promote gender equality and empower women of education no later than 2015 (3)	Ratio of young literate females to males (Percentage) - 2002	X		X		
Reduce child mortality (4)	Under-five mortality rate (per 1.000 births) – 2002	X		X		WHO 2004

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

Improve maternal health (5)	Maternal mortality ratio (per 100.000 births) - 2002	X		X		
Combat HIV/AIDS, malaria and other diseases (6)	HIV prevalence (% 15-49 years)	X		X		UNAIDS (Joint United Nations Programme on HIV/AIDS). 2004
Ensure environmental sustainability (7)	Access to improved water supply	X		X		WHO 2004
Develop a global partnership for development (8)	Total ODA Given as Percent of GNP – 2002	X		X		World Bank 2004
WSSD	Access to improved water sanitation (Percentage of total population)	X		X		WHO 2004
	Presence of an Initiated Integrate Water Resource Management Plan, as required by 2005 (Y/N)	X		X		Minister of Territory development, Water and Environment -2004
Population dynamics	Urban population (Percentage of total population)	X		X		Direction of Statistics, Morocco
	Rural population (Percentage of total population)	X		X		
Development pressures on environment	Total - Water consumption per capita (litres per day per capita) - 2000	X		X		AQUASTAT FAO 2004
	BOD Emissions (Kg/day) - 2004	X		X		World Bank
Environmental health impacts on development	Non sustainable Water production index - year		X	X		Blue Plan: MARGAT (J.), VALLEE (D.) – Water Resources and uses in the Mediterranean countries: figures and facts, 2000.Plan Bleu
	Rate of change of the occurrence of flood phenomena		X		X	
	Index of River fragmentation		X		X	
	Area of wetland drained	X		X		Rapport sur l'Etat de l'environnement2002
	Cholera and epidemic by dysentery (number/year)	X		X		Ministry of Health-2002
	Malaria (Number for 1000 persons/ year)	X		X		
Water market	Volume of water market		X		X	
	Volume of groundwater market (where relevant)		X		X	
Whole sale pricing (Water supply)	Agriculture	X			X	Secrétariat de l'eau 2004
	Industry	X			X	
	Domestic	X			X	
	Municipality	X			X	
Whole sale pricing (Waste water treatment)	Agriculture	X			X	
	Industry	X			X	
	Domestic	X			X	
	Municipality	X			X	

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

Whole sale pricing (Private investment in Supply and Sanitation)	Private investment in water supply and sanitation (US\$(PPP)/m ³)	X		X		Secrétariat de l'eau 2003
Privatisation of water utilities	Public	X		X		
	Partly privatised	X		X		
	Fully privatised	X		X		
SECTORAL DATA						
Short description of the relative socio-economic importance of agricultural sector in the national economy	People employed (% of total labour force)	X			X	FAO 2004
	GDP of agricultural sector (% of total GDP)	X			X	Direction de la statistique 2004
	GDP from agriculture, except livestock and aquaculture (as % of GDP)	X			X	Ministry of Finance -2004
	GDP from aquaculture (as % of GDP)	X			X	
	GDP from livestock (as % of GDP)	X			X	
	Government subsidies to Agricultural sector ((US\$(PPP)/year)	X			X	
	FDI to agricultural sector (as % of total FDI)		X		X	
Agricultural production by type in Mt	Cereals, Total	X		X		FAO 2004
	Citrus Fruit, Total	X		X		
	Coarse Grain, Total	X		X		
	Fibre Crops Primary	X		X		
	Fruit excl Melons, Total	X		X		
	Jute & Jute-like Fibres	X		X		
	Oilcakes Equivalent	X		X		
	Oil-cops Primary	X		X		
	Pulses, Total	X		X		
	Roots and Tubers, Total	X		X		World Resources Institute-2004
	Tree-nuts, Total		X	X		FAO 2004
Vegetables & Melons, Total		X	X			
Short description of the relative socio-economic importance of agricultural sector in the national economy	Total import of agricultural sector (as % of total import) -1997	X		X		World Bank 2003
	Total export of agricultural sector (as % of total export) - 1997	X		X		
	Food security Variation in Domestic Cereal Production, 1992-2001 (average percent variation from mean))	X		X		Institute World Trend 2004
	Food security :Net Cereal Imports and Food Aid as a Percent of Total Consumption {b}, 1998-2000	X		X		
	Food security :Food Aid as a Percent of Total Imports, 1998-2000	X		X		
	Main agricultural production by crop (tons/year) (000 mtons/2002)	X		X		Ministry of Agriculture 2002
	Agricultural production index (PIN 99-01)	X		X		FAO 2004

	Average farm dimension (ha)	X		X		Ministry of Agriculture 2002
Main indicator of water needs and efficiency in agriculture-livestock and aquaculture productions	Water use in agriculture (cubic km/year)	X		X		FAO AQUASTAT 2003
	Water managed area (ha)	X		X		
	Water intensity (cubic meters/ha)	X		X		
	Water productivity (US \$ Billions/cubic km)	X		X		FAO AQUASTAT 2003 – World Bank
	Specific water demand (by crop production)		X	X		FAO - CROPWAT
Social and economics analysis	People employed (Percentage of total population) - 2003	X		X		Ministry of Finance 2002
	GDP from Energy sub-sector of industry	X		X		Direction de la statistique, 2003
	GDP from processing sub-sector of industry	X		X		Ministry of Finance 2002
	GDP from transport sub-sector of industry	X		X		
General information on the urban water supply and sanitation situation	As percentage of total reference population (Urban access to)	X		X		UNICEF 2001
	As percentage of total reference population (Rural access to)	X		X		
	As percentage of total reference population (Total access to)	X		X		
Urban water demand and sanitation	Water for domestic use (cubic meter/year)	X		X		ONEP 1999
	Water treated (Million Cubic Meters) 2000	X		X		Rapport sur l'état de l'environnement 2002
	Hyper chlorination of drinking water (?)		X		X	
	Quality of water supply (Average hours of suspension of the service per year)		X		X	
Urban water demand and sanitation (Domestic connections to water supply)	Housing units with piped water (As Percentage of reference housing units) - Total	X		X		Rapport sur l'état de l'environnement 2002
	Housing units with piped water (As Percentage of reference housing units) - Urban	X		X		
	Housing units with piped water (As Percentage of reference housing units) - Rural	X		X		
Urban water demand and sanitation (Domestic connections to sanitation services)	Housing units with toilet (As Percentage of reference housing units) - Total	X		X		Recensement Générale de la Population et l'Habitat, 1994
	Housing units with toilet (As Percentage of reference housing units) - Urban	X		X		
	Housing units with toilet (As Percentage of reference housing units) - Rural	X		X		
General information on the urban water supply and sanitation situation (Domestic Water Consumptions)	Water available per capita (cubic meters/ day)	X		X		Direction General d'Hydraulique-1996
	Total - Water consumption per capita (litres per day per capita) – 2000	X		X		AQUASTAT FAO 2004
	Rural - Water consumption per capita (litres per day per capita)	X		X		Ministry of

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

	Urban - Water consumption per capita (litres per day per capita)	X		X		Environnement 2000
Role of the tourism industry in the local economy	Tourism receipts (US\$ million) – 2002	X		X		Ministère des finances 2005
	GDP of tourist sector (Percentage)	X		X		
	Public expenditure on tourism development (US\$/year)	X		X		
	People employed in tourism sector (Percentage)	X		X		Ministère des finances 2004
	Number of bed-places per hundred inhabitants (Number)	X		X		
	Tourists arrivals (Number) – 2002	X		X		Ministère des finances 2005
	Tourist Pressure on WSS infrastructure Ratio			X	X	

COUNTRY: TURKEY

indicates data is not available

indicates data is insufficient

NATIONAL DATA

Type of Information	Indicators	Available	Not-Available	Sufficient	Insufficient	Source
Socio-demographic Indicators	Population (Million people) - 2002	X		X		UNDP 2004
	Urban Population (Percentage of total population) – 2002	X		X		UNDP 2004
	Population Growth Rate (Percentage) – 1975/2002	X		X		UNDP 2004
	Population Density (People/km ²)- 2002	X		X		UNDP 2004
	Life expectancy at birth (Years) - 2002	X		X		WHO 2004
	Fertility rate - (Number of children per women) (1970-75 and 2000-05 periods are available)	X		X		UNDP 2004
Economy	GDP (Billion US \$ PPP) – 2002	X		X		World Bank 2004
	GDP per Capita (US \$ per Capita) – 2002	X		X		World Bank 2004
	Gini coefficient of income distribution (Index) - 2002	X		X		World Bank 2004
	GDP by Agriculture (Percentage of GDP) – 2002 and 2003	X		X		World Bank 2004 Turkish Treasury 2005
	GDP by Industry (Percentage of GDP) - 2002 and 2003	X		X		World Bank 2004 Turkish Treasury 2005
	GDP by Services (Percentage of GDP) – 2002 and 2003	X		X		World Bank 2004 Turkish Treasury 2005
Employment	Labour force employed in Agriculture (Percentage of total Labour force) – 2002 and 2004	X		X		International Labour Organisation SIS 2005
	Labour force employed in Industry (Percentage of total Labour force) – 2002 and 2004	X		X		International Labour Organisation SIS 2005
	Labour force employed in Manufacturing (Percentage of total Labour force) – 2002 not available 2003 and 2004	X		X		SIS 2005
	Labour force employed in Services (Percentage of total Labour force) – 2002 and 2004	X		X		International Labour Organisation SIS 2005
	Labour force not classified as economic activity (Percentage of total Labour force) – 2002	X		X		SIS 2005
	Unemployment rate (Percentage of total active population) - 2002 and 2004	X		X		International Labour Organisation SIS 2005
Type of Information	Indicators	Available	Not-Available	Sufficient	Insufficient	Source
Millennium Development	Human Development Index (Index) – 2002	X		X		World Bank 2004
	<i>Eradicate extreme poverty and hunger (1)</i>	X		X		World Bank 2004

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

Goals	Population below \$1 a day (Percentage) - 2002				
	<i>Achieve universal primary education of primary schooling (21)</i> Education Index - 2002	X		X	UNESCO 2004
	<i>Promote gender equality and empower women of education no later than 2015 (3)</i> Ratio of young literate females to males (Percentage) - 2002	X		X	UNESCO 2004
	<i>Reduce child mortality (4)</i> Under-five mortality rate (per 1.000 births) – 2002	X		X	WORLDBANK
	<i>Improve maternal health (5)</i> Maternal mortality ratio (per 100.000 births) - 2002	X		X	WHO 2004
	<i>Combat HIV/AIDS, malaria and other diseases (6)</i> HIV prevalence (% 15-49 years)	X		X	UNAIDS 2004
	<i>Ensure environmental sustainability (7)</i> Access to improved water supply	X		X	WHO 2004
	<i>Develop a global partnership for development (8)</i> Total ODA Given as Percent of GNP – 2002	X		X	World Bank 2004
	WSSD	Access to improved water sanitation (Percentage of total population)	X		X
Presence of an Initiated Integrate Water Resource Management Plan, as required by 2005 (Y/N)		X		X	DSI (State Hydraulic Works) 2005
Population dynamics	Urban population (Percentage of total population)	X		X	UNDP 2004
	Rural population (Percentage of total population)	X		X	UNDP 2004
Development pressures on environment	Total - Water consumption per capita (litres per day per capita) - 2000	X		X	FAO - AQUASTAT 2003 MEF 2005
	BOD Emissions (Kg/day) - 2004	X		X	World Bank

Type of Information	Indicators	Available	Not-Available	Sufficient	Insufficient	Source
Environmental health impacts on development	Non sustainable Water production index - year	X		X		Blue Plan 2000
	Rate of change of the occurrence of flood phenomena	X		X		DSI 2005
	Index of River fragmentation		X			
	Area of wetland drained	X		X		BIOPOLITICS
	Cholera and epidemic by dysentery (number/year)	X		X		WHO 2004
	Malaria (Number for 1000 persons/ year)	X		X		WHO 2004
Water market	Volume of water market		X			
	Volume of groundwater market (where relevant)		X			
Whole sale pricing (Water supply)	Agriculture		X			
	Industry	X		X		8th Five Years Development Plan
	Domestic	X		X		8th Five Years Development Plan
	Municipality	X		X		8th Five Years Development Plan
Whole sale pricing (Waste water treatment)	Agriculture		X			
	Industry		X			
	Domestic		X			
	Municipality		X			
Whole sale pricing (Private investment in Supply and Sanitation)	Private investment in water supply and sanitation (US\$(PPP)/m ³)	X		X		SIS 2005
Privatisation of water utilities	Public	X		X		Average values calculated from tariffs of metropolitan municipalities (ASKI, ISKI, IZSU)
	Partly privatised	X		X		
	Fully privatised	X		X		

SECTORAL DATA

Type of Information	Indicators	Available	Not-Available	Sufficient	In-sufficient	Source
Short description of the relative socio-economic importance of agricultural sector in the national economy (These indicators are given for the years 1970, 1980, 1990, 2000, and 2002)	People employed (% of total labour force)	X		X		FAO 2004
	GDP of agricultural sector (% of total GDP)	X		X		World Bank 2004 Turkish Treasury 2005
	GDP from agriculture, except livestock and aquaculture (as % of GDP)	X		X		SPO 2004
	GDP from aquaculture (as % of GDP)	X		X		SPO 2004 Turkish Treasury 2005
	GDP from livestock (as % of GDP)	X		X		SPO 2004
	Government subsidies to Agricultural sector ((US\$(PPP)/year)	X		X		MA 2004
	FDI to agricultural sector (as % of total FDI)	X		X		SPO 2004
Agricultural production by type in Mt (Production in billionUS\$ values are not available)	Cereals, Total	X			X	FAO 2004 8th Five Years Development Plan
	Citrus Fruit, Total	X			X	
	Coarse Grain, Total	X			X	
	Fibre Crops Primary	X			X	
	Fruit excl Melons, Total	X			X	
	Jute & Jute-like Fibres	X			X	
	Oilcakes Equivalent	X			X	
	Oil-cops Primary	X			X	
	Pulses, Total	X			X	
	Roots and Tubers, Total	X			X	
	Tree-nuts, Total	X			X	
Vegetables & Melons, Total	X			X		
Short description of the relative socio-economic importance of agricultural sector in the national economy	Total import of agricultural sector (as % of total import) -1997	X		X		FAO 2003
	Total export of agricultural sector (as % of total export) - 1997	X		X		FAO 2003
	Food security (Percentage)	X		X		FAO 2003
	Main agricultural production by crop (tons/year)	X		X		Earth Trends 2003
	Agricultural production index (PIN 99-01)	X		X		FAO 2004
	Average farm dimension (ha)	X		X		FAO 2003
Main indicator of water needs and efficiency in agriculture-livestock and aquaculture productions	Water use in agriculture (cubic km/year)	X		X		FAO AQUASTAT 2003
	Water managed area (ha)	X		X		FAO AQUASTAT 2003
	Water intensity (cubic meters/ha)	X		X		FAO 2003
	Water productivity (US \$ Billions/cubic km)	X		X		FAO AQUASTAT 2003 World Bank
	Specific water demand (by crop production)	X		X		FAO AQUASTAT 2005

SECTORAL DATA

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

Type of Information	Indicators	Available	Not-Available	Sufficient	In-sufficient	Source
Social and economics analysis	People employed (Percentage of total population) - 2003	X		X		SIS, 2003
	GDP from Energy sub-sector of industry		X			
	GDP from processing sub-sector of industry		X			
	GDP from transport sub-sector of industry		X			
Domestic Water Consumptions	Water available per capita (cubic meters/ day)		X			
	Total - Water consumption per capita (litres per day per capita) – 2000					FAO - AQUASTAT 2003
	Rural - Water consumption per capita (litres per day per capita)		X			
	Urban - Water consumption per capita (litres per day per capita)		X			
General information on the urban water supply and sanitation situation	As percentage of total reference population (Urban access to)	X		X		UNICEF 2001
	As percentage of total reference population (Rural access to)	X		X		UNICEF 2001
	As percentage of total reference population (Total access to)	X		X		UNICEF 2001
Urban water demand and sanitation	Water for domestic use (cubic meter/year) (for the years 1970, 1980, 1990, 2000, and 2002)	X			X	FAO - AQUASTAT 2003 Turkey Country Report 2003
	Water treated (Million Cubic Meters) 2000		X			
	Hyper chlorination of drinking water (?)		X			
	Quality of water supply (Average hours of suspension of the service per year)		X			
Urban water demand and sanitation (Domestic connections to water supply)	Housing units with piped water (As Percentage of reference housing units) - Total	X		X		UN – HABITAT WHO 2001
	Housing units with piped water (As Percentage of reference housing units) - Urban	X		X		UN – HABITAT WHO 2001
	Housing units with piped water (As Percentage of reference housing units) - Rural	X		X		UN – HABITAT WHO 2001
Urban water demand and sanitation (Domestic connections to sanitation services)	Housing units with toilet (As Percentage of reference housing units) - Total		X			
	Housing units with toilet (As Percentage of reference housing units) - Urban		X			
	Housing units with toilet (As Percentage of reference housing units) - Rural		X			

SECTORAL DATA

Type of Information	Indicators	Available	Not-Available	Sufficient	In-sufficient	Source
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Appendix to D4-1: Data Availability, Adequacy and Sources by Country

Role of the tourism industry in the local economy	Tourism receipts (US\$ million) – 2002 and 2003	X		X		World Tourism Organization SIS, CBRT 2004
	GDP of tourist sector (Percentage)	X		X		SIS, CBRT 2004
	Public expenditure on tourism development (US\$/year) - 2001	X		X		World Tourism Organization
	People employed in tourism sector (Percentage)	X		X		World Tourism Organization
	Number of bed-places per hundred inhabitants (Number) - 2002	X		X		World Tourism Organization
	Tourists arrivals (Number) – 2002	X		X		World Tourism Organization Ministry of Tourism
	Tourist Pressure on WSS infrastructure Ratio			X		

COUNTRY: GREECE

NATIONAL DATA

Type of Information	Indicators	Available	Not- Available	Sufficient	Insufficient	Source
Socio- demographic Indicators	Population (Million people) - 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Urban Population (Percentage of total population) – 2002	X		X		
	Population Growth Rate (Percentage) – 1975/2002	X		X		
	Population Density (People/km ²)- 2002	X		X		
	Life expectancy at birth (Years) - 2002	X		X		WHO 2004
	Fertility rate - (Number of children per women)	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
Economy	GDP (Billion US \$ PPP) – 2002	X		X		World Bank 2004
	GDP per Capita (US \$ per Capita) – 2002	X		X		
	Gini coefficient of income distribution (Index) - 2002	X		X		
	GDP by Agriculture (Percentage of GDP) – 2002	X		X		
	GDP by Industry (Percentage of GDP) - 2002	X		X		
	GDP by Services (Percentage of GDP) – 2002	X		X		
Employment	Labour force employed in Agriculture (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Industry (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Manufacturing (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Services (Percentage of total Labour force) – 2002	X		X		
	Labour force not classified as economic activity (Percentage of total Labour force) – 2002	X		X		
	Unemployment rate (Percentage of total active population) - 2002	X		X		
Millennium Development Goals	Human Development Index (Index) – 2002	X		X		World Bank –UN – 2004
Eradicate extreme poverty and hunger (1)	Population below \$1 a day (Percentage) - 2002	X		X		World Bank 2004
Achieve universal primary education of primary schooling (21)	Education Index - 2002	X		X		UNESCO 2004
Promote gender equality and empower women of education no later than 2015 (3)	Ratio of young literate females to males (Percentage) - 2002	X		X		UNESCO 2004
Reduce child mortality (4)	Under-five mortality rate (per 1.000 births) – 2002	X		X		WHO 2004
Improve maternal health (5)	Maternal mortality ratio (per 100.000 births) - 2002	X		X		WHO 2004
Combat HIV/AIDS, malaria and other diseases (6)	HIV prevalence (% 15-49 years)	X		X		UNAIDS (Joint United Nations Programme on HIV/AIDS).

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

						2004
Ensure environmental sustainability (7)	Access to improved water supply	X		X		WHO 2004
Develop a global partnership for development (8)	Total ODA Given as Percent of GNP – 2002	X		X		World Bank 2004
WSSD	Access to improved water sanitation (Percentage of total population)	X		X		WHO 2004
	Presence of an Initiated Integrate Water Resource Management Plan, as required by 2005 (Y/N)	X		X		Ministry of Development, 2003
Population dynamics	Urban population (Percentage of total population)	X		X		UN (United Nations) Department of Economic and Social Affairs. Population Division. New York 2004
	Rural population (Percentage of total population)	X		X		
Development pressures on environment	Total - Water consumption per capita (litres per day per capita) - 2000	X		X		AQUASTAT FAO 2004
	BOD Emissions (Kg/day) - 2004	X		X		World Bank
Environmental health impacts on development	Non sustainable Water production index - year		X		X	Blue Plan: MARGAT (J.), VALLEE (D.) – Water RESources and Uses Mediterranean countries: figures and facts, 2000. Plan Blue
	Rate of change of the occurrence of flood phenomena		X		X	
	Index of River fragmentation		X		X	
	Area of wetland drained		X		X	World Health Organization
	Cholera and epidemic by dysentery (number/year)	X		X		
	Malaria (Number for 1000 persons/ year)	X		X		
Water market	Volume of water market		X		X	
	Volume of groundwater market (where relevant)		X		X	
Whole sale pricing (Water supply)	Agriculture	X		X		
	Industry		X		X	
	Domestic		X		X	
	Municipality		X		X	
Whole sale pricing (Waste water treatment)	Agriculture		X		X	
	Industry		X		X	
	Domestic		X		X	
	Municipality		X		X	
Whole sale pricing (Private investment in Supply and Sanitation)	Private investment in water supply and sanitation (US\$(PPP)/m ³)	X				(Massarutto, 1999; UNEP. 2002)
Privatisation of water utilities	Public	X			X	
	Partly privatised		X		X	
	Fully privatised		X		X	

SECTORAL DATA

Short description of the relative socio-	People employed (% of total labour force)	X		X		FAO 2004, General Sectorial of National Statistical Service of Greece, 2003
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Appendix to D4-1: Data Availability, Adequacy and Sources by Country

economic importance of agricultural sector in the national economy	GDP of agricultural sector (% of total GDP)	X		X		World Bank 2004	
	GDP from agriculture, except livestock and aquaculture (as % of GDP)	X		X		European Commission, 2003	
	GDP from aquaculture (as % of GDP)		X		X		
	GDP from livestock (as % of GDP)		X		X		
	Government subsidies to Agricultural sector ((US\$(PPP)/year)	X			X		Ministry of Agriculture, 2003
	FDI to agricultural sector (as % of total FDI)		X		X		
Agricultural production by type in Mt	Cereals, Total	X		X		FAO 2004	
	Citrus Fruit, Total	X		X			
	Coarse Grain, Total	X		X			
	Fibre Crops Primary	X		X			
	Fruit excl Melons, Total	X		X			
	Jute & Jute-like Fibres		X		X		
	Oilcakes Equivalent	X		X			
	Oil-cops Primary	X		X			
	Pulses, Total	X		X			
	Roots and Tubers, Total	X		X			
	Tree-nuts, Total	X		X			
	Vegetables & Melons, Total	X		X			
	Short description of the relative socio-economic importance of agricultural sector in the national economy	Total import of agricultural sector (as % of total import) -1997	X		X		
Total export of agricultural sector (as % of total export) - 1997		X		X			
Food security (Percentage)		X		X			
Main agricultural production by crop (tons/year)			X		X		
Agricultural production index (PIN 99-01)		X					FAO 2004
Average farm dimension (ha)			X		X		
Main indicator of water needs and efficiency in agriculture-livestock and aquaculture productions	Water use in agriculture (cubic km/year)	X		X		FAO AQUASTAT 2003	
	Water managed area (ha)	X		X			
	Water intensity (cubic meters/ha)	X		X			
	Water productivity (US \$ Billions/cubic km)	X		X		FAO AQUASTAT 2003 – World Bank	
	Specific water demand (by crop production)		X		X		FAO - CROPWAT
Social and economics analysis	People employed (Percentage of total population) - 2003	X		X		Natioanl Statistical Services, 2003	
	GDP from Energy sub-sector of industry		X		X		
	GDP from processing sub-sector of industry		X		X		
	GDP from transport sub-sector of industry		X		X		
General information on the urban water supply and sanitation situation (Access to Water and Sanitation Services)	As percentage of total reference population (Urban access to)	X		X		UNICEF 2001	
	As percentage of total reference population (Rural access to)	X		X			
	As percentage of total reference population (Total access to)	X		X			
Urban water demand and sanitation	Water for domestic use (cubic meter/year)	X			X	AQUASTAT FAO 2004	

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

	Water treated (Million Cubic Meters) 2000		X		X	
	Hyper chlorination of drinking water (?)		X		X	
	Quality of water supply (Average hours of suspension of the service per year)		X		X	
Urban water demand and sanitation (Domestic connections to water supply)	Housing units with piped water (As Percentage of reference housing units) - Total	X		X		UN – HABITAT
	Housing units with piped water (As Percentage of reference housing units) - Urban	X		X		
	Housing units with piped water (As Percentage of reference housing units) - Rural	X		X		
Urban water demand and sanitation (Domestic connections to sanitation services)	Housing units with toilet (As Percentage of reference housing units) - Total	X		X		UN – HABITAT
	Housing units with toilet (As Percentage of reference housing units) - Urban	X		X		
	Housing units with toilet (As Percentage of reference housing units) - Rural	X		X		
Role of the tourism industry in the local economy	Tourism receipts (US\$ million) – 2002	X		X		World Tourism Organization
	GDP of tourist sector (Percentage)	X		X		
	Public expenditure on tourism development (US\$/year)		X		X	
	People employed in tourism sector (Percentage)	X		X		
	Number of bed-places per hundred inhabitants (Number)	X		X		
	Tourists arrivals (Number) – 2002	X		X		
	Tourist Pressure on WSS infrastructure Ratio		X		X	
General information on the urban water supply and sanitation situation (Domestic Water Consumptions)	Water available per capita (cubic meters/ day)	X		X		EYDAP S.A. 2005
	Total - Water consumption per capita (litres per day per capita) 2000	X		X		AQUASTAT FAO 2004
	Rural - Water consumption per capita (litres per day per capita)		X		X	World Resources Institute
	Urban - Water consumption per capita (litres per day per capita)		X		X	

COUNTRY: CYPRUS

NATIONAL DATA

Type of Information	Indicators	Available	Not- Available	Sufficient	Insufficient	Source
Socio- demographic Indicators	Population (Million people) - 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Urban Population (Percentage of total population) – 2002	X		X		
	Population Growth Rate (Percentage) – 1975/2002	X		X		
	Population Density (People/km ²)- 2002	X		X		
	Life expectancy at birth (Years) - 2002	X		X		WHO 2004
	Fertility rate - (Number of children per women)	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
Economy	GDP (Billion US \$ PPP) – 2002	X		X		World Bank 2004
	GDP per Capita (US \$ per Capita) – 2002	X		X		
	Gini coefficient of income distribution (Index) - 2002	X		X		CYSTAT 2003
	GDP by Agriculture (Percentage of GDP) – 2002	X		X		World Bank 2004
	GDP by Industry (Percentage of GDP) - 2002	X		X		
	GDP by Services (Percentage of GDP) – 2002	X		X		
Employment	Labour force employed in Agriculture (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Industry (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Manufacturing (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Services (Percentage of total Labour force) – 2002	X		X		
	Labour force not classified as economic activity (Percentage of total Labour force) – 2002	X		X		
	Unemployment rate (Percentage of total active population) - 2002	X		X		
Millennium Development Goals	Human Development Index (Index) – 2002	X		X		World Bank –UN – 2004
Eradicate extreme poverty and hunger (1)	Population below \$1 a day (Percentage) - 2002	X		X		World Bank 2004
Achieve universal primary education of primary schooling (2)	Education Index - 2002	X		X		UNESCO 2004
Promote gender equality and empower women of education no later than 2015 (3)	Ratio of young literate females to males (Percentage) - 2002	X		X		UNESCO 2004
Reduce child mortality (4)	Under-five mortality rate (per 1.000 births) – 2002	X		X		WHO 2004
Improve maternal health (5)	Maternal mortality ratio (per 100.000 births) - 2002	X		X		WHO 2004
Combat HIV/AIDS, malaria and other diseases (6)	HIV prevalence (% 15-49 years)		X		X	UNAIDS (Joint United Nations Programme on HIV/AIDS).

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

						2004
Ensure environmental sustainability (7)	Access to improved water supply	X		X		WHO 2004
Develop a global partnership for development (8)	Total ODA Given as Percent of GNP – 2002	X		X		World Bank 2004
WSSD	Access to improved water sanitation (Percentage of total population)	X		X		WHO 2004
	Presence of an Initiated Integrate Water Resource Management Plan, as required by 2005 (Y/N)	X		X		WDD, Personal communication
Population dynamics	Urban population (Percentage of total population)	X		X		UN (United Nations) Department of Economic and Social Affairs. Population Division. New York 2004
	Rural population (Percentage of total population)	X		X		
Development pressures on environment	Total - Water consumption per capita (litres per day per capita) - 2000	X		X		FAO Aquastat web database
	BOD Emissions (Kg/day) - 2004		X		X	WDD, Personal communication
Environmental health impacts on development	Non sustainable Water production index - year	X			X	Blue Plan: MARGAT (J.), VALLEE (D.) – Water RESources and Uses Mediterranean countries: figures and facts, 2000. Plan Blue
	Rate of change of the occurrence of flood phenomena		X		X	WDD, Personal communication
	Index of River fragmentation		X		X	
	Area of wetland drained		X		X	
	Cholera and epidemic by dysentery (number/year)	X			X	World Health Organization
	Malaria (Number for 1000 persons/ year)	X			X	
Water market	Volume of water market		X		X	WDD, Personal communication
	Volume of groundwater market (where relevant)		X		X	
Whole sale pricing (Water supply)	Agriculture	X		X		WDD, Personal communication: Limassol Water Board website
	Industry	X		X		
	Domestic	X		X		
	Municipality		X		X	
Whole sale pricing (Waste water treatment)	Agriculture		X		X	WDD, Personal communication
	Industry		X		X	
	Domestic		X		X	
	Municipality		X		X	
Whole sale pricing (Private investment in Supply and Sanitation)	Private investment in water supply and sanitation (US\$(PPP)/m ³)		X		X	WDD, Personal communication
Privatisation of water utilities	Public		X		X	WDD, Personal communication
	Partly privatised		X		X	
	Fully privatised		X		X	

SECTORAL DATA

Short description of the relative socio-economic importance of agricultural	People employed (% of total labour force)	X		X		FAO 2004
	GDP of agricultural sector (% of total GDP)	X			X	World Bank 2004

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

sector in the national economy	GDP from agriculture, except livestock and aquaculture (as % of GDP)	X			X	CYSTAT 2005
	GDP from aquaculture (as % of GDP)	X			X	
	GDP from livestock (as % of GDP)		X		X	
	Government subsidies to Agricultural sector ((US\$(PPP)/year)		X		X	FAO 2003
	FDI to agricultural sector (as % of total FDI)		X		X	CYSTAT 2005
Agricultural production by type in Mt	Cereals, Total	X		X		FAO 2004
	Citrus Fruit, Total	X		X		
	Coarse Grain, Total	X		X		
	Fibre Crops Primary	X		X		
	Fruit excl Melons, Total	X		X		
	Jute & Jute-like Fibres		X		X	
	Oilcakes Equivalent	X		X		
	Oil-cops Primary	X		X		
	Pulses, Total	X		X		
	Roots and Tubers, Total	X		X		
	Tree-nuts, Total	X		X		
	Vegetables & Melons, Total	X		X		
Short description of the relative socio-economic importance of agricultural sector in the national economy	Total import of agricultural sector (as % of total import) -1997	X		X		FAO 2003
	Total export of agricultural sector (as % of total export) - 1997	X		X		
	Food security (Percentage)	X		X		
	Main agricultural production by crop (tons/year)	X		X		CYSTAT 2001
	Agricultural production index (PIN 99-01)	X		X		FAO 2004
	Average farm dimension (ha)	X		X		FAO 2003
Main indicator of water needs and efficiency in agriculture-livestock and aquaculture productions	Water use in agriculture (cubic km/year)	X		X		FAO AQUASTAT 2003
	Water managed area (ha)	X		X		
	Water intensity (cubic meters/ha)	X		X		FAO 2003
	Water productivity (US \$ Billions/cubic km)	X		X		FAO AQUASTAT 2003 – World Bank
	Specific water demand (by crop production)		X		X	CYSTAT 2005
Social and economics analysis	People employed (Percentage of total population) - 2003	X		X		CyStat website
	GDP from Energy sub-sector of industry	X		X		
	GDP from processing sub-sector of industry	X		X		
	GDP from transport sub-sector of industry	X		X		
General information on the urban water supply and sanitation situation (Access to Water and Sanitation Services)	As percentage of total reference population (Urban access to)	X		X		UNICEF 2001, WHO & UNICEF 2001
	As percentage of total reference population (Rural access to)	X		X		
	As percentage of total reference population (Total access to)	X		X		
Urban water demand and sanitation	Water for domestic use (cubic meter/year)	X		X		WDD & FAO (2002)

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

	Water treated (Million Cubic Meters) 2000	X		X		WDD Personal communication	
	Hyper chlorination of drinking water (?)	X		X			
	Quality of water supply (Average hours of suspension of the service per year)	X			X		
Urban water demand and sanitation (Domestic connections to water supply)	Housing units with piped water (As Percentage of reference housing units) - Total	X			X	WDD Personal communication	
	Housing units with piped water (As Percentage of reference housing units) - Urban	X			X		
	Housing units with piped water (As Percentage of reference housing units) - Rural	X			X		
Urban water demand and sanitation (Domestic connections to sanitation services)	Housing units with toilet (As Percentage of reference housing units) - Total	X		X		WDD Personal communication	
	Housing units with toilet (As Percentage of reference housing units) - Urban	X		X			
	Housing units with toilet (As Percentage of reference housing units) - Rural	X		X			
Role of the tourism industry in the local economy	Tourism receipts (US\$ million) – 2002	X		X		World Tourism Organization	
	GDP of tourist sector (Percentage)			X		X	Cyprus Tourism Organization (CTO), Personal Communication
	Public expenditure on tourism development (US\$/year)			X		X	
	People employed in tourism sector (Percentage)			X		X	
	Number of bed-places per hundred inhabitants (Number)	X			X		CYSTAT 2005
	Tourists arrivals (Number) – 2002	X			X		World Tourism Organization
	Tourist Pressure on WSS infrastructure Ratio			X		X	Cyprus Tourism Organization (CTO), Personal Communication
General information on the urban water supply and sanitation situation (Domestic Water Consumptions)	Water available per capita (cubic meters/ day)			X		X	WDD Personal communication
	Total - Water consumption per capita (litres per day per capita) 2000	X			X		WDD & FAO (2002)
	Rural - Water consumption per capita (litres per day per capita)	X			X		
	Urban - Water consumption per capita (litres per day per capita)	X			X		

COUNTRY: SPAIN

indicates data is not available

indicates data is insufficient

NATIONAL DATA

Type of Information	Indicators	Available	Not- Available	Sufficient	Insufficient	Source
Socio- demographic Indicators	Population (Million people) - 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Urban Population (Percentage of total population) – 2002	X		X		
	Population Growth Rate (Percentage) – 1975/2002	X		X		
	Population Density (People/km ²)- 2002	X		X		
	Life expectancy at birth (Years) - 2002	X		X		WHO, 2004
	Fertility rate - (Number of children per women)	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
Economy	GDP (Billion US \$ PPP) – 2002	X		X		World Bank 2004
	GDP per Capita (US \$ per Capita) – 2002	X		X		
	Gini coefficient of income distribution (Index) - 2002	X		X		
	GDP by Agriculture (Percentage of GDP) – 2002	X		X		
	GDP by Industry (Percentage of GDP) - 2002	X		X		
	GDP by Services (Percentage of GDP) – 2002	X		X		
Employment	Labour force employed in Agriculture (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Industry (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Manufacturing (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Services (Percentage of total Labour force) – 2002	X		X		
	Labour force not classified as economic activity (Percentage of total Labour force) – 2002		X			
	Unemployment rate (Percentage of total active population) - 2002	X		X		
Millennium Development Goals	Human Development Index (Index) – 2002	X		X		World Bank – UN - 2004

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

Eradicate extreme poverty and hunger (1)	Population below \$1 a day (Percentage) - 2002	X		X		World Bank - 2004
Achieve universal primary education of primary schooling (21)	Education Index - 2002	X		X		UNESCO 2004
Promote gender equality and empower women of education no later than 2015 (3)	Ratio of young literate females to males (Percentage) - 2002	X		X		UNESCO 2004
Reduce child mortality (4)	Under-five mortality rate (per 1.000 births) – 2002	X		X		WHO 2004
Improve maternal health (5)	Maternal mortality ratio (per 100.000 births) - 2002	X		X		WHO 2004
Combat HIV/AIDS, malaria and other diseases (6)	HIV prevalence (% 15-49 years)	X		X		UNAIDS (Joint United Nations Programme on HIV/AIDS). 2004
Ensure environmental sustainability (7)	Access to improved water supply	X		X		WHO 2004
Develop a global partnership for development (8)	Total ODA Given as Percent of GNP – 2002	X		X		World Bank 2004
WSSD	Access to improved water sanitation (Percentage of total population)		X			
	Presence of an Initiated Integrate Water Resource Management Plan, as required by 2005 (Y/N)	X				
Population dynamics	Urban population (Percentage of total population)	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Rural population (Percentage of total population)	X		X		
Development pressures on environment	Total - Water consumption per capita (litres per day per capita) - 2000	X		X		AQUASTAT FAO 2004
	BOD Emissions (Kg/day) - 2004	X		X		World Bank
Environmental health impacts on development	Non sustainable Water production index - year	X		X		Blue Plan: MARGAT (J.), VALLEE (D.) – Water Resources and uses in the Mediterranean countries: figures and facts, 2000.Plan Bleu
	Rate of change of the occurrence of flood phenomena		X			
	Index of River fragmentation		X			
	Area of wetland drained		X			
	Cholera and epidemic by dysentery (number/year)	X		X		World Health Organization
	Malaria (Number for 1000 persons/ year)	X		X		World Health Organization
Water market	Volume of water market		X			
	Volume of groundwater market (where relevant)		X			
Whole sale pricing (Water supply)	Agriculture		X			
	Industry		X			
	Domestic		X			
	Municipality		X			
Whole sale pricing (Waste water treatment)	Agriculture		X			
	Industry		X			
	Domestic		X			
	Municipality		X			

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

Whole sale pricing (Private investment in Supply and Sanitation)	Private investment in water supply and sanitation (US\$(PPP)/m ³)		X			
Privatisation of water utilities	Public		X			
	Partly privatised		X			
	Fully privatised		X			

SECTORAL DATA

Short description of the relative socio-economic importance of agricultural sector in the national economy	People employed (% of total labour force)	X		X		FAO 2004
	GDP of agricultural sector (% of total GDP)	X		X		World Bank 2004
	GDP from agriculture, except livestock and aquaculture (as % of GDP)		X			
	GDP from aquaculture (as % of GDP)		X			
	GDP from livestock (as % of GDP)		X			
	Government subsidies to Agricultural sector ((US\$(PPP)/year)		X			
	FDI to agricultural sector (as % of total FDI)		X			
Agricultural production by type in Mt	Cereals, Total	X			X	FAO 2004
	Citrus Fruit, Total	X			X	
	Coarse Grain, Total	X			X	
	Fibre Crops Primary	X			X	
	Fruit excl Melons, Total	X			X	
	Jute & Jute-like Fibres	X			X	
	Oilcakes Equivalent	X			X	
	Oil-cops Primary	X			X	
	Pulses, Total	X			X	
	Roots and Tubers, Total	X			X	
	Tree-nuts, Total	X			X	
	Vegetables & Melons, Total	X			X	
	Short description of the relative socio-economic importance of agricultural sector in the national economy	Total import of agricultural sector (as % of total import) -1997		X		
Total export of agricultural sector (as % of total export) - 1997			X			
Food security (Percentage)		X		X		na
Main agricultural production by crop (tons/year)			X			
Agricultural production index (PIN 99-01)		X		X		FAO 2004
Average farm dimension (ha)			X			
Main indicator of water needs and efficiency in agriculture-livestock and aquaculture productions	Water use in agriculture (cubic km/year)	X		X		FAO AQUASTAT 2003
	Water managed area (ha)	X		X		
	Water intensity (cubic meters/ha)	X		X		FAO 2003
	Water productivity (US \$ Billions/cubic km)	X		X		FAO AQUASTAT 2003 –World Bank
	Specific water demand (by crop production)		X			
Social and economics analysis	People employed (Percentage of total population) - 2003		X			
	GDP from Energy sub-sector of industry		X			

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

	GDP from processing sub-sector of industry		X			
	GDP from transport sub-sector of industry		X			
General information on the urban water supply and sanitation situation (Domestic Water Consumptions)	Water available per capita (cubic meters/ day)		X			
	Total - Water consumption per capita (litres per day per capita) – 2000	X		X		AQUASTAT FAO 2004
	Rural - Water consumption per capita (litres per day per capita)		X			
	Urban - Water consumption per capita (litres per day per capita)		X			
General information on the urban water supply and sanitation situation	As percentage of total reference population (Urban access to)		X			
	As percentage of total reference population (Rural access to)		X			
	As percentage of total reference population (Total access to)		X			
Urban water demand and sanitation	Water for domestic use (cubic meter/year)	X			X	AQUASTAT FAO 2004
	Water treated (Million Cubic Meters) 2000		X			
	Hyper chlorination of drinking water (?)		X			
	Quality of water supply (Average hours of suspension of the service per year)		X			
Urban water demand and sanitation (Domestic connections to water supply)	Housing units with piped water (As Percentage of reference housing units) - Total		X			
	Housing units with piped water (As Percentage of reference housing units) - Urban		X			
	Housing units with piped water (As Percentage of reference housing units) - Rural		X			
Urban water demand and sanitation (Domestic connections to sanitation services)	Housing units with toilet (As Percentage of reference housing units) - Total		X			
	Housing units with toilet (As Percentage of reference housing units) - Urban		X			
	Housing units with toilet (As Percentage of reference housing units) - Rural		X			
Role of the tourism industry in the local economy	Tourism receipts (US\$ million) – 2002	X		X		World Tourism Organization
	GDP of tourist sector (Percentage)		X			
	Public expenditure on tourism development (US\$/year)		X			
	People employed in tourism sector (Percentage)		X			
	Number of bed-places per hundred inhabitants (Number)	X		X		World Tourism Organization
	Tourists arrivals (Number) – 2002	X		X		World Tourism Organization
	Tourist Pressure on WSS infrastructure Ratio		X			

COUNTRY: PORTUGAL

NATIONAL DATA

Type of Information	Indicators	Available	Not- Available	Sufficient	Insufficient	Source
Socio- demographic Indicators	Population (Million people) - 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Urban Population (Percentage of total population) – 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Population Growth Rate (Percentage) – 1975/2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Population Density (People/km ²)- 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Life expectancy at birth (Years) - 2002	X		X		WHO 2004
	Fertility rate - (Number of children per women)	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
Economy	GDP (Billion US \$ PPP) – 2002	X		X		World Bank 2004
	GDP per Capita (US \$ per Capita) – 2002	X		X		World Bank 2004
	Gini coefficient of income distribution (Index) - 2002	X		X		World Bank 2004
	GDP by Agriculture (Percentage of GDP) – 2002	X		X		World Bank 2004
	GDP by Industry (Percentage of GDP) - 2002	X		X		World Bank 2004
	GDP by Services (Percentage of GDP) – 2002	X		X		World Bank 2004
Employment	Labour force employed in Agriculture (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Industry (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Manufacturing (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Services (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force not classified as economic activity (Percentage of total Labour force) – 2002		X		X	-
	Unemployment rate (Percentage of total active population) - 2002	X		X		International Labour Organisation

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

Millennium Development Goals	Human Development Index (Index) – 2002	X		X		World Bank – UN – 2004
Eradicate extreme poverty and hunger (1)	Population below \$1 a day (Percentage) - 2002	X		X		World Bank 2004
Achieve universal primary education of primary schooling (21)	Education Index - 2002	X		X		UNESCO 2004
Promote gender equality and empower women of education no later than 2015 (3)	Ratio of young literate females to males (Percentage) - 2002	X		X		UNESCO 2004
Reduce child mortality (4)	Under-five mortality rate (per 1.000 births) – 2002	X		X		WHO 2004
Improve maternal health (5)	Maternal mortality ratio (per 100.000 births) - 2002	X		X		WHO 2004
Combat HIV/AIDS, malaria and other diseases (6)	HIV prevalence (% 15-49 years)	X		X		UNAIDS (Joint United Nations Programme on HIV/AIDS). 2004
Ensure environmental sustainability (7)	Access to improved water supply	X		X		WHO 2004
Develop a global partnership for development (8)	Total ODA Given as Percent of GNP – 2002	X		X		World Bank 2004
WSSD	Access to improved water sanitation (Percentage of total population)	X		X		WHO 2004
	Presence of an Initiated Integrate Water Resource Management Plan, as required by 2005 (Y/N)	X		X		INAG 2004
Population dynamics	Urban population (Percentage of total population)	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
	Rural population (Percentage of total population)	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
Development pressures on environment	Total - Water consumption per capita (litres per day per capita) - 2000	X		X		AQUASTAT FAO 2004
	BOD Emissions (Kg/day) - 2004	X		X		World Bank
Environmental health impacts on development	Non sustainable Water production index - year		X		X	Blue Plan: MARGAT (J.), VALLEE (D.) – Water Resources and uses in the Mediterranean countries: figures and facts, 2000. Plan Bleu
	Rate of change of the occurrence of flood phenomena		X		X	-
	Index of River fragmentation		X		X	-
	Area of wetland drained		X		X	-
	Cholera and epidemic by dysentery (number/year)	X		X		WHO
	Malaria (Number for 1000 persons/ year)	X		X		WHO
Water market	Volume of water market	X		X		INAG 2002
	Volume of groundwater market (where relevant)		X		X	-

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

Whole sale pricing (Water supply)	Agriculture	X			X	INAG 2002
	Industry	X			X	INAG 2002
	Domestic	X			X	INAG 2002
	Municipality	X			X	INAG 2002
Whole sale pricing (Waste water treatment)	Agriculture		X		X	-
	Industry	X		X		INAG 2002
	Domestic	X		X		INAG 2002
	Municipality		X		X	-
Whole sale pricing (Private investment in Supply and Sanitation)	Private investment in water supply and sanitation (US\$(PPP)/m ³)		X		X	-
Privatisation of water utilities	Public	X			X	INAG 2002
	Partly privatised		X		X	
	Fully privatised		X		X	

SECTORAL DATA

Short description of the relative socio-economic importance of agricultural sector in the national economy	People employed (% of total labour force)	X		X		FAO 2004
	GDP of agricultural sector (% of total GDP)	X		X		World Bank 2004
	GDP from agriculture, except livestock and aquaculture (as % of GDP)		X		X	-
	GDP from aquaculture (as % of GDP)		X		X	-
	GDP from livestock (as % of GDP)		X		X	-
	Government subsidies to Agricultural sector ((US\$(PPP)/year)	X			X	Ministry of agriculture 2003
	FDI to agricultural sector (as % of total FDI)		X		X	-
Agricultural production by type in Mt	Cereals, Total	X		X		FAO 2004
	Citrus Fruit, Total	X		X		FAO 2004
	Coarse Grain, Total	X		X		FAO 2004
	Fibre Crops Primary	X		X		FAO 2004
	Fruit excl Melons, Total	X		X		FAO 2004
	Jute & Jute-like Fibres		X		X	FAO 2004
	Oilcakes Equivalent	X		X		FAO 2004
	Oil-cops Primary	X		X		FAO 2004
	Pulses, Total	X		X		FAO 2004
	Roots and Tubers, Total	X		X		FAO 2004
	Tree-nuts, Total	X		X		FAO 2004
	Vegetables & Melons, Total	X		X		FAO 2004
	Short description of the relative socio-economic importance of agricultural sector in the national economy	Total import of agricultural sector (as % of total import) -1997	X		X	
Total export of agricultural sector (as % of total export) - 1997		X		X		World Bank 2003
Food security (Percentage)		X		X		FAO 2004
Main agricultural production by crop (tons/year)			X		X	-

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

	Agricultural production index (PIN 99-01)	X		X		FAO 2004
	Average farm dimension (ha)	X		X		INE 1999
Main indicator of water needs and efficiency in agriculture-livestock and aquaculture productions	Water use in agriculture (cubic km/year)	X		X		FAO AQUASTAT 2003
	Water managed area (ha)	X		X		FAO AQUASTAT 2003
	Water intensity (cubic meters/ha)	X		X		FAO AQUASTAT 2003
	Water productivity (US \$ Billions/cubic km)	X		X		FAO AQUASTAT 2003, WORLD BANK
	Specific water demand (by crop production)		X		X	FAO-CROPWAT
		People employed (Percentage of total population) - 2003	X		X	
Social and economics analysis	GDP from Energy sub-sector of industry		X		X	-
	GDP from processing sub-sector of industry		X		X	-
	GDP from transport sub-sector of industry		X		X	-
General information on the urban water supply and sanitation situation	As percentage of total reference population (Urban access to)	X		X		UNICEF 2001
	As percentage of total reference population (Rural access to)	X		X		UNICEF 2001
	As percentage of total reference population (Total access to)	X		X		UNICEF 2001
Urban water demand and sanitation	Water for domestic use (cubic meter/year)	X			X	AQUASTAT FAO, 2004
	Water treated (Million Cubic Meters) 2000		X		X	-
	Hyper chlorination of drinking water (?)		X		X	-
	Quality of water supply (Average hours of suspension of the service per year)		X		X	-
Urban water demand and sanitation (Domestic connections to water supply)	Housing units with piped water (As Percentage of reference housing units) - Total		X		X	UN – HABITAT
	Housing units with piped water (As Percentage of reference housing units) - Urban		X		X	UN – HABITAT
	Housing units with piped water (As Percentage of reference housing units) - Rural		X		X	UN – HABITAT
Urban water demand and sanitation (Domestic connections to sanitation services)	Housing units with toilet (As Percentage of reference housing units) - Total		X		X	UN – HABITAT
	Housing units with toilet (As Percentage of reference housing units) - Urban		X		X	UN – HABITAT
	Housing units with toilet (As Percentage of reference housing units) - Rural		X		X	UN - HABITAT
Role of the tourism industry in the local economy	Tourism receipts (US\$ million) – 2002	X		X		World Tourism Organisation
	GDP of tourist sector (Percentage)	X		X		
	Public expenditure on tourism development (US\$/year)		X		X	World Tourism Organisation
	People employed in tourism sector (Percentage)		X		X	World Tourism Organisation
	Number of bed-places per hundred inhabitants (Number)	X		X		World Tourism

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

						Organisation
	Tourists arrivals (Number) – 2002	X		X		World Tourism Organisation
	Tourist Pressure on WSS infrastructure Ratio		X		X	World Tourism Organisation
General information on the urban water supply and sanitation situation (Domestic Water Consumptions)	Water available per capita (cubic meters/ day)		X		X	-
	Total - Water consumption per capita (litres per day per capita) – 2000	X		X		AQUASTAT FAO, 2004
	Rural - Water consumption per capita (litres per day per capita)		X		X	World Resources Institute
	Urban - Water consumption per capita (litres per day per capita)		X		X	-

COUNTRY: FRANCE:

NATIONAL DATA

Type of Information	Indicators	Available	Not- Available	Sufficient	Insufficient	Source
Socio- demographic Indicators	Population (Million people) - 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Urban Population (Percentage of total population) – 2002	X		X		
	Population Growth Rate (Percentage) – 1975/2002	X		X		
	Population Density (People/km ²)- 2002	X		X		
	Life expectancy at birth (Years) - 2002	X		X		WHO 2004
	Fertility rate - (Number of children per women)	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
Economy	GDP (Billion US \$ PPP) – 2002	X		X		World Bank 2004
	GDP per Capita (US \$ per Capita) – 2002	X		X		
	Gini coefficient of income distribution (Index) - 2002	X		X		
	GDP by Agriculture (Percentage of GDP) – 2002	X		X		
	GDP by Industry (Percentage of GDP) - 2002	X		X		
	GDP by Services (Percentage of GDP) – 2002	X		X		
Employment	Labour force employed in Agriculture (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Industry (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Manufacturing (Percentage of total Labour force) – 2002	X		X		
	Labour force employed in Services (Percentage of total Labour force) – 2002	X		X		
	Labour force not classified as economic activity (Percentage of total Labour force) – 2002	X		X		
	Unemployment rate (Percentage of total active population) - 2002	X		X		
Millennium Development Goals	Human Development Index (Index) – 2002	X		X		World Bank-UN 2004
Eradicate extreme poverty and hunger (1)	Population below \$1 a day (Percentage) - 2002	X		X		World Bank 2004
Achieve universal primary education of primary schooling (21)	Education Index - 2002	X		X		UNESCO 2004
Promote gender equality and empower women of education	Ratio of young literate females to males (Percentage) - 2002	X		X		UNESCO 2004

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

no later than 2015 (3)						
Reduce child mortality (4)	Under-five mortality rate (per 1.000 births) – 2002	X		X		WHO 2004
Improve maternal health (5)	Maternal mortality ratio (per 100.000 births) - 2002	X		X		WHO 2004
Combat HIV/AIDS, malaria and other diseases (6)	HIV prevalence (% 15-49 years)	X		X		UNAIDS (Joint United Nations Programme on HIV/AIDS). 2004
Ensure environmental sustainability (7)	Access to improved water supply	X		X		WHO 2004
Develop a global partnership for development (8)	Total ODA Given as Percent of GNP – 2002	X		X		World Bank 2004
WSSD	Access to improved water sanitation (Percentage of total population)	X		X		WHO 2004
	Presence of an Initiated Integrate Water Resource Management Plan, as required by 2005 (Y/N)	X		X		
Population dynamics	Urban population (Percentage of total population)	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
	Rural population (Percentage of total population)	X		X		
Development pressures on environment	Total - Water consumption per capita (litres per day per capita) - 2000	X		X		AQUASTAT FAO 2004
	BOD Emissions (Kg/day) - 2004	X		X		World Bank
Environmental health impacts on development	Non sustainable Water production index - year		X			
	Rate of change of the occurrence of flood phenomena	X		X		IFEN Ministère de l'écologie France
	Index of River fragmentation		X			
	Area of wetland drained		X			
	Cholera and epidemic by dysentery (number/year)	X		X		World Health Organisation
	Malaria (Number for 1000 persons/ year)	X		X		
Water market	Volume of water market		X			
	Volume of groundwater market (where relevant)		X			
Whole sale pricing (Water supply)	Agriculture	X		X		IFEN Ministère de l'écologie France
	Industry	X		X		IFEN Ministère de l'écologie France

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

	Domestic	X		X		IFEN Ministère de l'écologie France
	Municipality		X			
Whole sale pricing (Waste water treatment)	Agriculture		X			
	Industry		X			
	Domestic		X			
	Municipality		X			
Whole sale pricing (Private investment in Supply and Sanitation)	Private investment in water supply and sanitation (US\$(PPP)/m ³)		X			
Privatisation of water utilities	Public	X				IFEN SCEES 2002
	Partly privatised	X				IFEN SCEES 2002
	Fully privatised		X			

SECTORAL DATA

Short description of the relative socio-economic importance of agricultural sector in the national economy	People employed (% of total labour force)	X		X		World Bank 2004
	GDP of agricultural sector (% of total GDP)	X		X		FAO 2004
	GDP from agriculture, except livestock and aquaculture (as % of GDP)		X			
	GDP from aquaculture (as % of GDP)		X			
	GDP from livestock (as % of GDP)		X			
	Government subsidies to Agricultural sector ((US\$(PPP)/year)		X			
	FDI to agricultural sector (as % of total FDI)		X			
Agricultural production by type in Mt	Cereals, Total	X			X	FAO 2004 INSEE
	Citrus Fruit, Total	X			X	FAO 2004
	Coarse Grain, Total	X			X	FAO 2004
	Fibre Crops Primary	X			X	FAO 2004 INSEE
	Fruit excl Melons, Total	X			X	FAO 2004
	Jute & Jute-like Fibres		X			
	Oilcakes Equivalent	X			X	FAO 2004
	Oil-cops Primary	X			X	FAO 2004
	Pulses, Total	X			X	FAO 2004
	Roots and Tubers, Total	X			X	FAO 2004
	Tree-nuts, Total	X			X	FAO 2004
	Vegetables & Melons, Total	X			X	FAO 2004
Short description of the relative	Total import of agricultural sector (as % of total import) -1997	X		X		FAO 2003

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

socio-economic importance of agricultural sector in the national economy	Total export of agricultural sector (as % of total export) - 1997	X		X		FAO 2003
	Food security (Percentage)	X				
	Main agricultural production by crop (tons/year)		X			
	Agricultural production index (PIN 99-01)	X		X		FAO 2004
	Average farm dimension (ha)		X			
Main indicator of water needs and efficiency in agriculture-livestock and aquaculture productions	Water use in agriculture (cubic km/year)	X		X		FAO AQUASTAT 2003
	Water managed area (ha)	X		X		FAO AQUASTAT 2003
	Water intensity (cubic meters/ha)	X		X		FAO 2003
	Water productivity (US \$ Billions/cubic km)	X		X		FAO AQUASTAT 2003 – World Bank
	Specific water demand (by crop production)		X			
Social and economics analysis	People employed (Percentage of total population) - 2003	X		X		INSEE
	GDP from Energy sub-sector of industry	X		X		INSEE
	GDP from processing sub-sector of industry		X			
	GDP from transport sub-sector of industry		X			
General information on the urban water supply and sanitation situation	As percentage of total reference population (Urban access to)		X			
	As percentage of total reference population (Rural access to)		X			
	As percentage of total reference population (Total access to)	X			X	OCDE 2004
Urban water demand and sanitation	Water for domestic use (cubic meter/year)	X			X	AQUASTAT FAO 2004
	Water treated (Million Cubic Meters) 2000	X			X	IFEN 2002
	Hyper chlorination of drinking water (?)		X			
	Quality of water supply (Average hours of suspension of the service per year)		X			
Urban water demand and sanitation (Domestic connections to water supply)	Housing units with piped water (As Percentage of reference housing units) - Total	X		X		IFEN 2002
	Housing units with piped water (As Percentage of reference housing units) - Urban		X			
	Housing units with piped water (As Percentage of reference housing units) - Rural		X			
Urban water demand and sanitation (Domestic connections to sanitation services)	Housing units with toilet (As Percentage of reference housing units) - Total		X			
	Housing units with toilet (As Percentage of reference housing units) - Urban		X			
	Housing units with toilet (As Percentage of reference housing units) - Rural		X			
Role of the tourism industry in the	Tourism receipts (US\$ million) – 2002	X		X		World Tourism

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

local economy					Organization
	GDP of tourist sector (Percentage)	X		X	World Tourism Organization
	Public expenditure on tourism development (US\$/year)		X		
	People employed in tourism sector (Percentage)	X		X	INSEE
	Number of bed-places per hundred inhabitants (Number)	X		X	World Tourism Organization
	Tourists arrivals (Number) – 2002	X		X	World Tourism Organization
	Tourist Pressure on WSS infrastructure Ratio		X		
General information on the urban water supply and sanitation situation (Domestic Water Consumptions)	Water available per capita (cubic meters/ day)	X		X	RNDE
	Total - Water consumption per capita (litres per day per capita) – 2000	X		X	RNDE
	Rural - Water consumption per capita (litres per day per capita)		X		
	Urban - Water consumption per capita (litres per day per capita)		X		

COUNTRY: ITALY

NATIONAL DATA

Type of Information	Indicators	Available	Not-Available	Sufficient	Insufficient	Source
Socio- demographic Indicators	Population (Million people) - 2002	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
	Urban Population (Percentage of total population) – 2002	X		X		
	Population Growth Rate (Percentage) – 1975/2002	X		X		
	Population Density (People/km ²)- 2002	X		X		WHO 2004
	Life expectancy at birth (Years) - 2002	X		X		
	Fertility rate - (Number of children per women)	X		X		UN Department of Economic and Social Affairs, Population Division. New York. 2004
Economy	GDP (Billion US \$ PPP) – 2002	X		X		World Bank 2004
	GDP per Capita (US \$ per Capita) – 2002	X		X		
	Gini coefficient of income distribution (Index) - 2002	X		X		
	GDP by Agriculture (Percentage of GDP) – 2002	X		X		
	GDP by Industry (Percentage of GDP) - 2002	X		X		
	GDP by Services (Percentage of GDP) – 2002	X		X		
Employment	Labour force employed in Agriculture (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Industry (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Manufacturing (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force employed in Services (Percentage of total Labour force) – 2002	X		X		International Labour Organisation
	Labour force not classified as economic activity (Percentage of total Labour force) – 2002	X		X		ISTAT
	Unemployment rate (Percentage of total active population) - 2002	X		X		International Labour Organisation
Millennium Development Goals	Human Development Index (Index) – 2002	X		X		World Bank-UN 2004
Eradicate extreme poverty and hunger (1)	Population below \$1 a day (Percentage) - 2002	X		X		World Bank 2004

Achieve universal primary education of primary schooling (21)	Education Index - 2002	X		X		UNESCO 2004
Promote gender equality and empower women of education no later than 2015 (3)	Ratio of young literate females to males (Percentage) - 2002	X		X		UNESCO 2004
Reduce child mortality (4)	Under-five mortality rate (per 1.000 births) – 2002	X		X		WHO 2004
Improve maternal health (5)	Maternal mortality ratio (per 100.000 births) - 2002	X		X		WHO 2004
Combat HIV/AIDS, malaria and other diseases (6)	HIV prevalence (% 15-49 years)	X		X		UNAIDS (Joint United Nations Programme on HIV/AIDS). 2004
Ensure environmental sustainability (7)	Access to improved water supply	X		X		WHO 2004
Develop a global partnership for development (8)	Total ODA Given as Percent of GNP – 2002	X		X		World Bank 2004
WSSD	Access to improved water sanitation (Percentage of total population)	X		X		WHO 2004
	Presence of an Initiated Integrate Water Resource Management Plan, as required by 2005 (Y/N)	X		X		
Population dynamics	Urban population (Percentage of total population)	X		X		UN (United Nations) Department of Economic and Social Affairs, Population Division. New York. 2004
	Rural population (Percentage of total population)	X		X		
Development pressures on environment	Total - Water consumption per capita (litres per day per capita) - 2000	X		X		AQUASTAT FAO 2004
	BOD Emissions (Kg/day) - 2004	X		X		World Bank
Environmental health impacts on development	Non sustainable Water production index - year		X			
	Rate of change of the occurrence of flood phenomena		X			
	Index of River fragmentation		X			
	Area of wetland drained		X			
	Cholera and epidemic by dysentery (number/year)	X		X		World Health Organisation
	Malaria (Number for 1000 persons/ year)	X		X		World Health Organisation
Water market	Volume of water market		X			
	Volume of groundwater market (where relevant)		X			
Whole sale pricing (Water supply)	Agriculture		X			

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

	Industry		X			
	Domestic		X			
	Municipality		X			
Whole sale pricing (Waste water treatment)	Agriculture		X			
	Industry		X			
	Domestic		X			
	Municipality		X			
Whole sale pricing (Private investment in Supply and Sanitation)	Private investment in water supply and sanitation (US\$(PPP)/m ³)		X			
Privatisation of water utilities	Public		X			
	Partly privatised		X			
	Fully privatised		X			

SECTORAL DATA

Short description of the relative socio-economic importance of agricultural sector in the national economy	People employed (% of total labour force)	X		X		FAO 2004
	GDP of agricultural sector (% of total GDP)	X		X		World Bank 2004
	GDP from agriculture, except livestock and aquaculture (as % of GDP)		X			
	GDP from aquaculture (as % of GDP)		X			
	GDP from livestock (as % of GDP)		X			
	Government subsidies to Agricultural sector ((US\$(PPP)/year)		X			
	FDI to agricultural sector (as % of total FDI)		X			
Agricultural production by type in Mt	Cereals, Total	X			X	FAO 2004
	Citrus Fruit, Total	X			X	FAO 2004
	Coarse Grain, Total	X			X	FAO 2004
	Fibre Crops Primary	X			X	FAO 2004
	Fruit excl Melons, Total	X			X	FAO 2004
	Jute & Jute-like Fibres		X			
	Oilcakes Equivalent	X			X	FAO 2004
	Oil-cops Primary	X			X	FAO 2004
	Pulses, Total	X			X	FAO 2004
	Roots and Tubers, Total	X			X	FAO 2004
	Tree-nuts, Total	X			X	FAO 2004
	Vegetables & Melons, Total	X			X	FAO 2004
Short description of the relative socio-economic importance of agricultural sector in the national economy	Total import of agricultural sector (as % of total import) -1997	X		X		World Bank 2003
	Total export of agricultural sector (as % of total export) - 1997	X		X		World Bank 2003
	Food security (Percentage)	X		X		
	Main agricultural production by crop (tons/year)	X		X		INEA 2004
	Agricultural production index (PIN 99-01)	X		X		FAO 2004

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

	Average farm dimension (ha)	X		X		Ministry of Environment - 1998
Main indicator of water needs and efficiency in agriculture-livestock and aquaculture productions	Water use in agriculture (cubic km/year) 2000	X		X		FAO AQUASTAT 2003
	Water managed area (ha) 2000	X		X		FAO AQUASTAT 2003
	Water intensity (cubic meters/ha)	X		X		FAO AQUASTAT 2003
	Water productivity (US \$ Billions/cubic km)	X		X		FAO AQUASTAT 2003 – World Bank
	Specific water demand (by crop production)			X		
Social and economics analysis	People employed (Percentage of total population) - 2003	X		X		UN Statistics Division, International Labour Office, year: 2003
	GDP from Energy sub-sector of industry			X		
	GDP from processing sub-sector of industry			X		
	GDP from transport sub-sector of industry			X		
General information on the urban water supply and sanitation situation	As percentage of total reference population (Urban access to)	X		X		UNICEF 2001
	As percentage of total reference population (Rural access to)	X		X		UNICEF 2001
	As percentage of total reference population (Total access to)	X		X		UNICEF 2001
Urban water demand and sanitation	Water for domestic use (cubic meter/year)	X			X	FAO AQUASTAT 2004
	Water treated (Million Cubic Meters) 2000			X		
	Hyper chlorination of drinking water (?)			X		
	Quality of water supply (Average hours of suspension of the service per year)			X		
Urban water demand and sanitation (Domestic connections to water supply)	Housing units with piped water (As Percentage of reference housing units) - Total					
	Housing units with piped water (As Percentage of reference housing units) - Urban					
	Housing units with piped water (As Percentage of reference housing units) - Rural					
Urban water demand and sanitation (Domestic connections to sanitation services)	Housing units with toilet (As Percentage of reference housing units) - Total	X				
	Housing units with toilet (As Percentage of reference housing units) - Urban	X				
	Housing units with toilet (As Percentage of reference housing units) - Rural	X				
Role of the tourism industry in the local	Tourism receipts (US\$ million) – 2002	X		X		World Tourism

Appendix to D4-1: Data Availability, Adequacy and Sources by Country

economy						Organization
	GDP of tourist sector (Percentage)		X			
	Public expenditure on tourism development (US\$/year)		X			
	People employed in tourism sector (Percentage)		X			
	Number of bed-places per hundred inhabitants (Number)	X		X		World Tourism Organization
	Tourists arrivals (Number) – 2002	X		X		World Tourism Organization
	Tourist Pressure on WSS infrastructure Ratio		X			
General information on the urban water supply and sanitation situation (Domestic Water Consumptions)	Water available per capita (cubic meters/ day)		X			
	Total - Water consumption per capita (litres per day per capita) – 2000	X			X	FAO AQUASTAT 2004
	Rural - Water consumption per capita (litres per day per capita)		X			
	Urban - Water consumption per capita (litres per day per capita)		X			