OF THE EURO-MEDITERRANEAN AND SOUTHEASTERN EUROPEAN COUNTRIES

CYPRUSCountry Report

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Athens, 6 & 7 November 2006



Hellenic Government Ministry for the Environment Ministry of Foreign Affairs



EU Commission DG Environment DG AidCo



Mediterranean Component of the EU Water Initiative European Commission



Euro-Mediterranean Partnership



Euro-Mediterranean Information System on Know-How in the Water Sector



Regional Monitoring and Support Unit MEDA-Water Programme

Outline of Presentation

- 1. Geographic, Social and Economic Context
- 2. Water Resources Situation
- 3. Institutional Context
- 4. On-going Processes and Related Funding
- 5. Actual State, Needs and Challenges
- 6. Future Plans
- 7. Conclusions

Location and Physical Description



1. Geographic, Social & Economic Context

- Total Surface Area 9251 km²
- Rainfall 280 1000mm, average 460mm
- Population of Area under Government Control 800,000
- Average Net Annual Runoff including Groundwater replenishment 370Mm³
- Average Annual Water Availability 462 m³/person

GNP & Agriculture

GNP/Capita €16.500

Agricultural Contribution 2,84 %

Population employed in Agriculture 6,3%

Agricultural Water Demand 69%

2. Water Resources Situation

- Rainfall drop by 15% since 1970
- Evapotranspiration 86%
- Runoff 370Mm³
- Over-abstraction of aquifer 29Mm³/year
- Demands: Agriculture 182Mm³/year
 Domestic 85Mm³/year

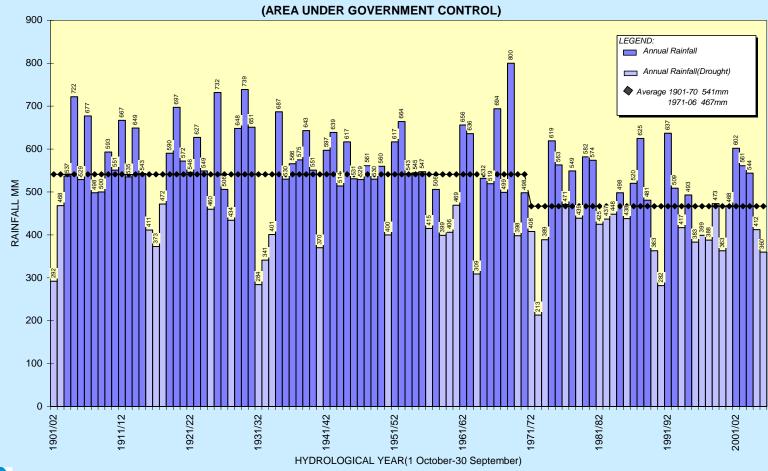


Precipitation

AVERAGE ANNUAL RAINFALL OF CYPRUS

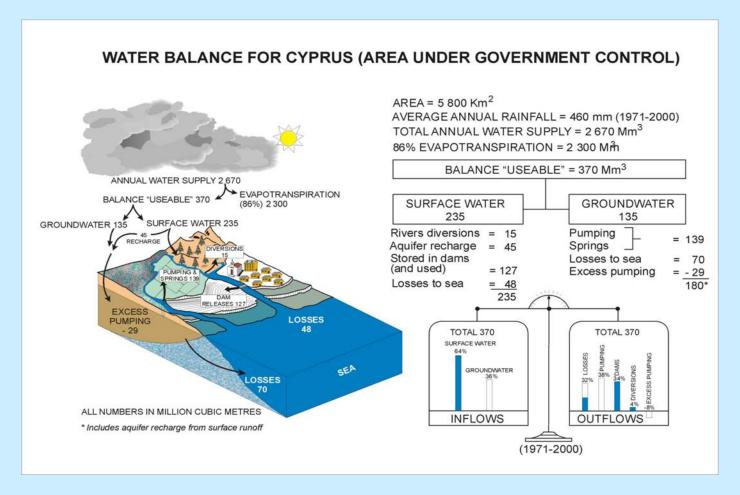
1901/1970-1971/06

(AREA LINDER GOVERNMENT CONTROL)



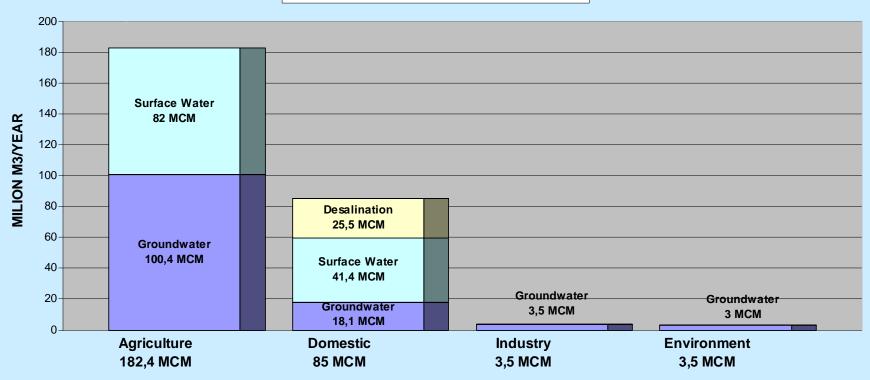


Water Balance



Water Demand by sector and anticipated sources used for the year 2006

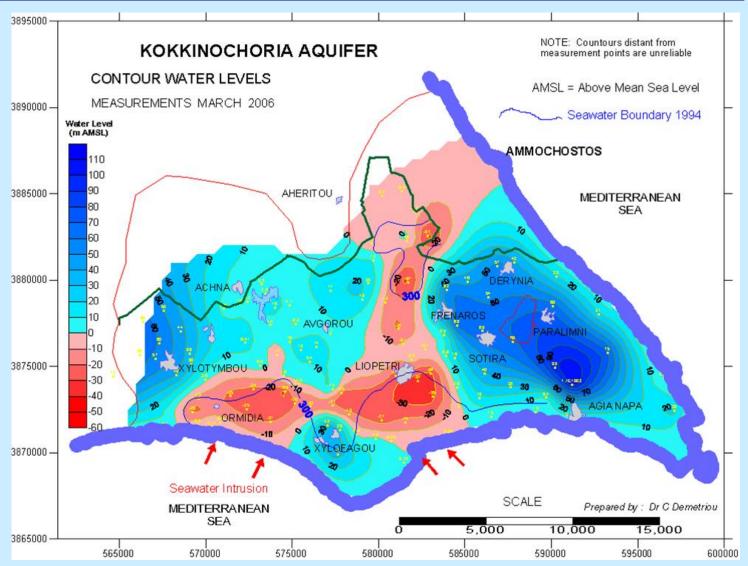
■ Groundwater □ Surface Water □ Desalination





Threats to Water Resources

- Over abstraction of the aquifers, seawater intrusion
- Water scarcity and multiyear droughts
- Pollution from agriculture, pig farms, garbage disposal sites





Sewage Collection and Treatment

- Presently cover population of 442.000
- Plan to cover population of 700.000 by 2012

3. Institutional Context

- Water Development Department of the Ministry of Agriculture, Natural Resources and Environment is the main water agent
- Other authorities in the Ministries, Water and Sewage Boards, Municipalities and Community Councils for services
- Efforts to concentrate all government water functions to a single authority have been made but so far without success

4. On-going processes and related funding

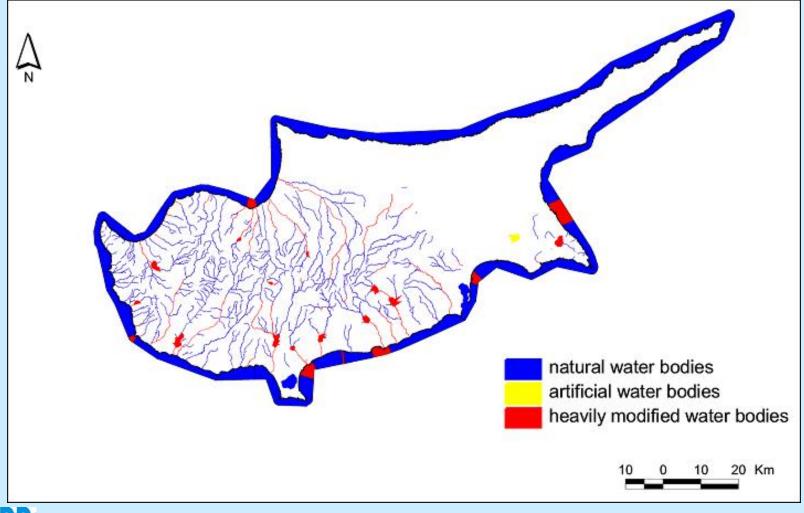
- Government Investments in place in water sector
 € 1,74 billion (2001 Value at a compounding rate of 7,5%) and 2002-2005 investments around € 100 million
- Water Boards investments in 2005 around
 € 1,6 million
- Sewage Boards investments in 2005 around
 € 500 million

5. Actual State, Needs and Challenges

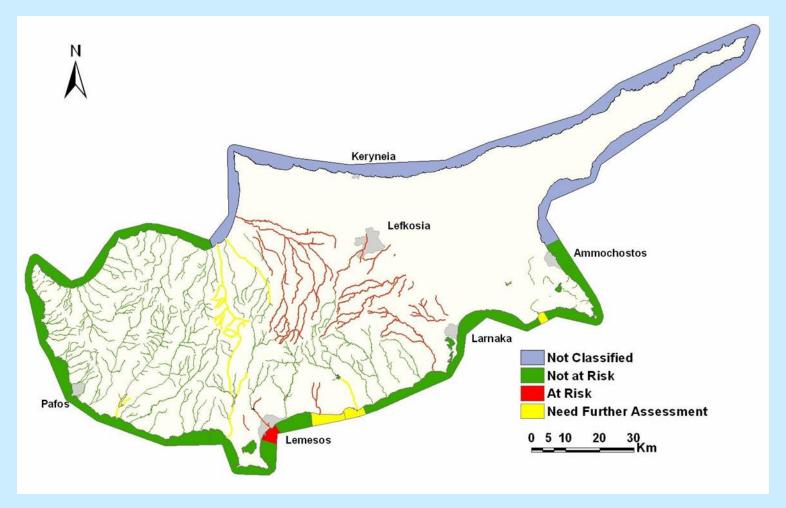
- All households supplied with potable water
- Efforts to integrate recycled water to water equation
- Desalination Plants
- Sewage treatment Plants to cost € 900 million by 2012
- Water Framework Directive

Water body	Number of water bodies not 'at risk'	Number of water bodies 'at risk'	Needing further assess- ment	Total number of water bodies	% of water bodies 'at risk'
Rivers	125	35	7	167	
Heavily modified	32	11	6	49	
Total	157	46	13	216	21%
Lakes	5	0	0	5	
Heavily modified	8	1	3	12	
Artificial	0	0	1	1	
Total	13	1	4	18	6%
Coastal waters	18	0	2	20	
Heavily modified	3	1	1	5	
Total	21	1	3	25	4%

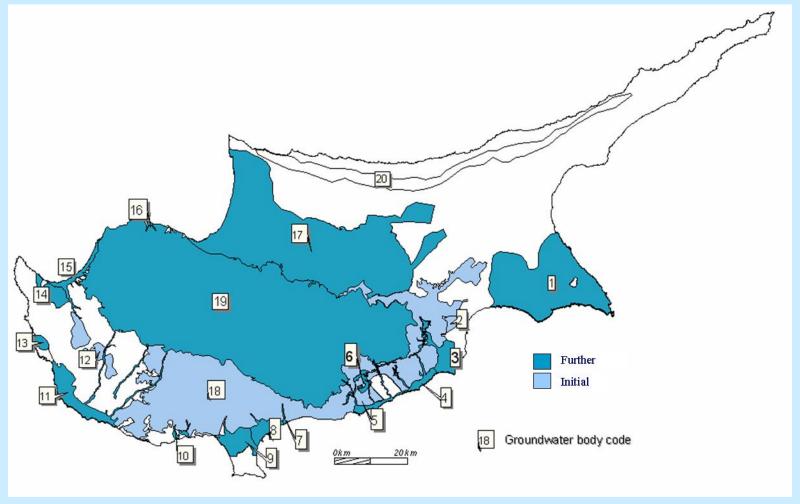
Water Bodies



Surface Water Bodies



Groundwater bodies



6. Future Plans

Management Plan for WFD

by December 2009

- Drought Management Sub-Plan
- Intensification of Demand Management Measures
- Nature Protection

7. Conclusions

Obstacles for implementing future challenges:

- National Capacity
- Technology and Equipment
- Technical and Financial Support
- Political will
- Change of attitude of users

Thank you for your attention

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