

Union for the Mediterranean
Water Expert Group - Athens, 7-8 September 2009

Water Mediterranean Strategy Blue Plan contribution

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- ✚ Context and objectives...
- ✚ Activities done in 2008
- ✚ Blue Plan's contribution to MWS
- ✚ Planned activities in 2009 - 2010



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Recommendations of the 12th Meeting of the MCSD (Istanbul May 2007) approved by the 15th Meeting of the Contracting Parties (Almeria, January 2008) :

- Include, Water Demand Management, in the national priority strategies, to promote its implementation,
- See to it that the problems connected with WDM are properly integrated within the global environmental problems (climate change, biodiversity, ecosystem conservation),
- Promote mobilization and responsabilization, at the various relevant territorial scales

MCSD expects the Blue Plan to :

- Make a report, every two years, on progress accomplished in the Mediterranean in the field of WDM,
- Contribute to establishing a compendium of good practices,
- Organize in 2012 the fourth regional workshop in WDM,

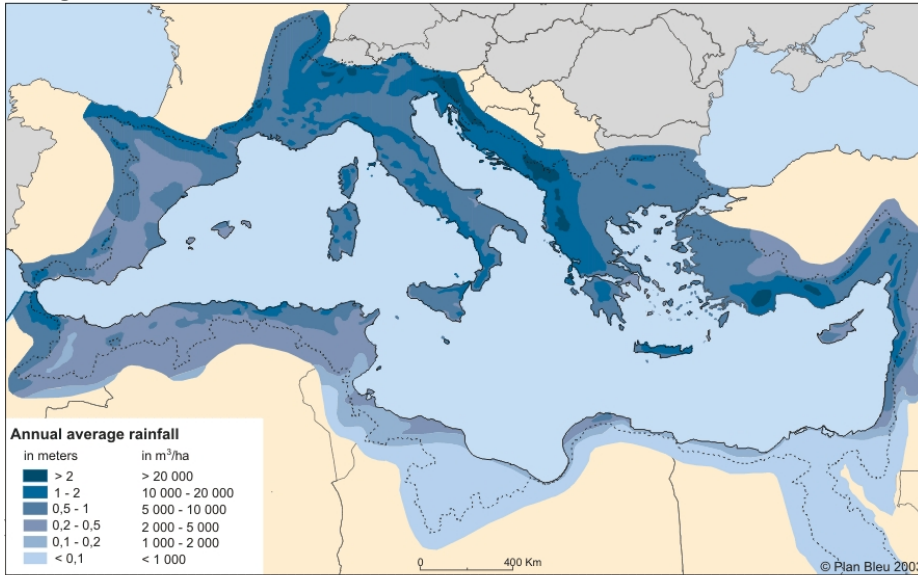
The MCSD also underlines the need for the development of synergies with existing initiatives



Vulnerable water resources

Water resources very unevenly distributed over both space and time
 3% of the world's water resources

Average rainfall distribution in the Mediterranean basin

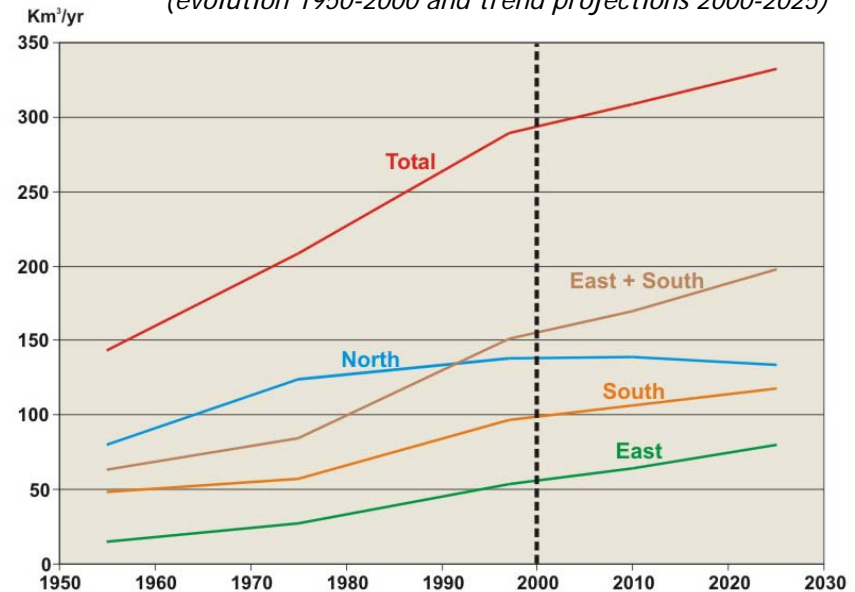


High increase in water demand by 2025

+ 18% at country scale

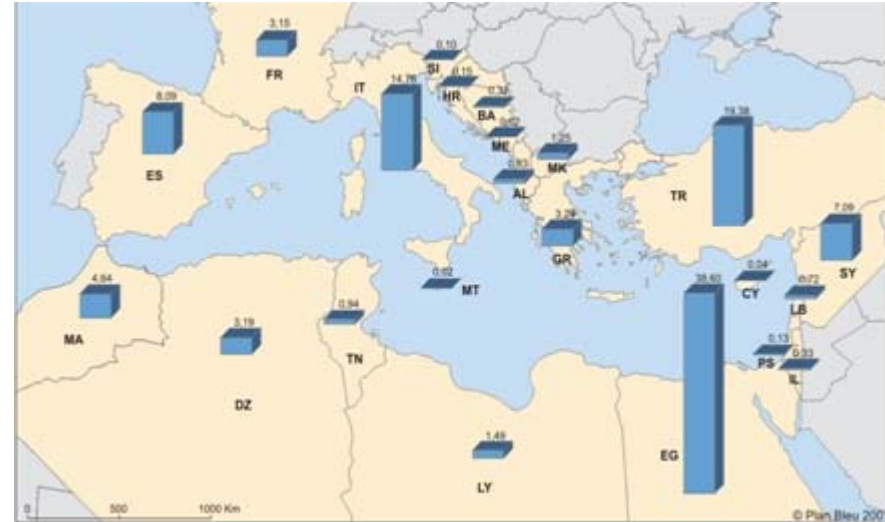
+ 25% in the South and East at catchment area level

Total water demand (evolution 1950-2000 and trend projections 2000-2025)

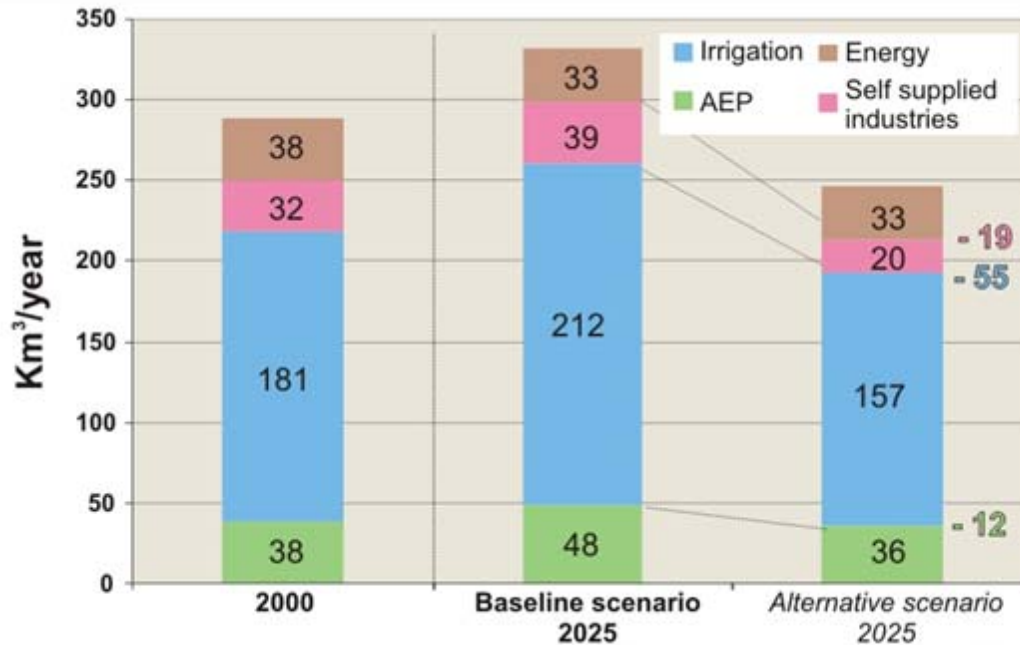


Saving 25% of water demand

Losses & misuses
in 2005: ~110 km³/y
40% of total water
demand



Water demand: potential savings by 2025



Potential water
savings in 2025:
86 km³/y
25% of total water
demand

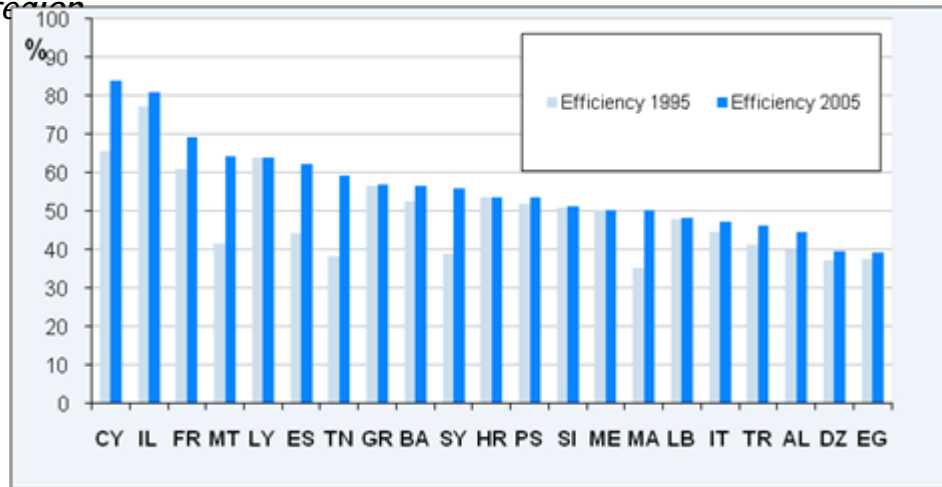
*Achievement of regional objectives of improving efficiencies***Recoverable losses estimation (in km³) per Mediterranean basin sub-region in 2025**

Mediterranean basin Sub-region (countries)	Drinking water	Irrigation	Industries	Total
	Efficiencies improvement hypotheses			
	Networks efficiency raised to 85% and users efficiency raised to 90%	Networks efficiency raised to 90% and plots efficiency raised to 80%	Recycling generalized to 50%	
North	5,0	18,0	8,0	31,0
South & East	7,0	37,0	11,0	55,0
Total	12,0	55,0	19,0	86,0

The Blue Plan endeavoured to evaluate the extent of water losses and «misuses» for each sector and on the basis of a set of ambitious “feasible” hypotheses to estimate recoverable losses per sector and per Mediterranean basin sub-region. The feasible potential savings would be about 86 km³/yr for total water demand of some 330 km³/yr by 2025.

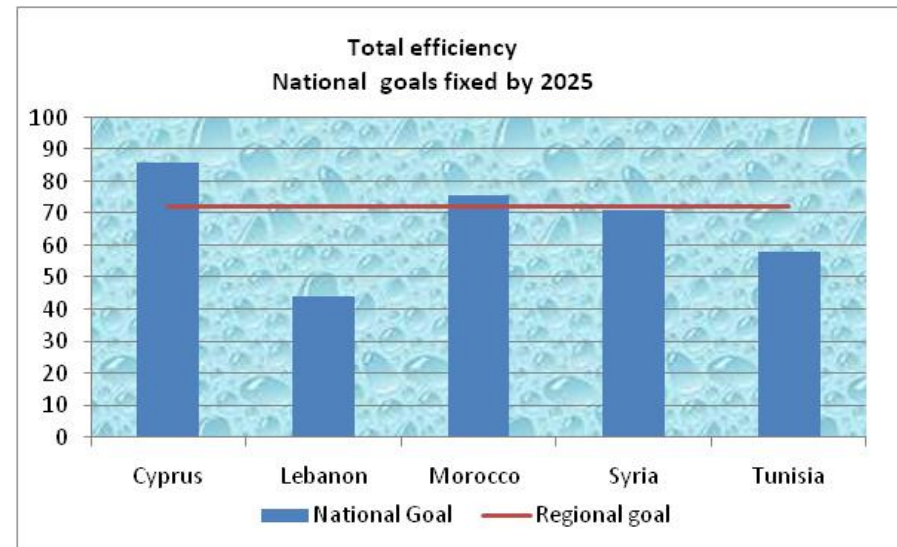
National objectives of improving efficiencies

Total use efficiency in the Mediterranean region



Between 1995 and 2005 virtually all states achieved encouraging progress in terms of their efficiency in the various water using sectors. Water use efficiency rose from 40% to 50%, which is an improvement of 10%.

Some countries have adopted national policies and strategies and the implementation of priority actions and / or national objectives to improve sectoral efficiencies by 2025



Blue Plan contribution to Water Mediterranean Strategy :

Based on a state of the art of works already carried out in different Mediterranean countries and at regional level on the economic approach of water management :

Produce a synthesis of works conducted in the different Mediterranean countries by using sectors (domestic, agricultural, tourism, industry),

Propose the implementation of an economic approach of WDM, focusing on the costs and benefits of such measures which make an efficient use of water,

Propose a methodology used to estimate them.



CALENDAR

The full work program of the Blue Plan, which will last until 2010

These activities will be based on case studies that compare the costs and benefits - as well as economic, social and environmental impacts - of different water management solutions

State of the art of works carried out at the Mediterranean scale (2009)

Synthesis of works on the issue « *economic approach of water management* »

Update of potential water savings at the national and regional levels (2nd half of 2009 and early 2010)

Regional quantitative water saving goal based on national studies

Methodological approach and results (2010)

Proposition of methodological approach by Blue Plan



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