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Key Theme Paper

WATER DEMAND MANAGEMENT

Egypt & France
Athens, 21-22 July 2008



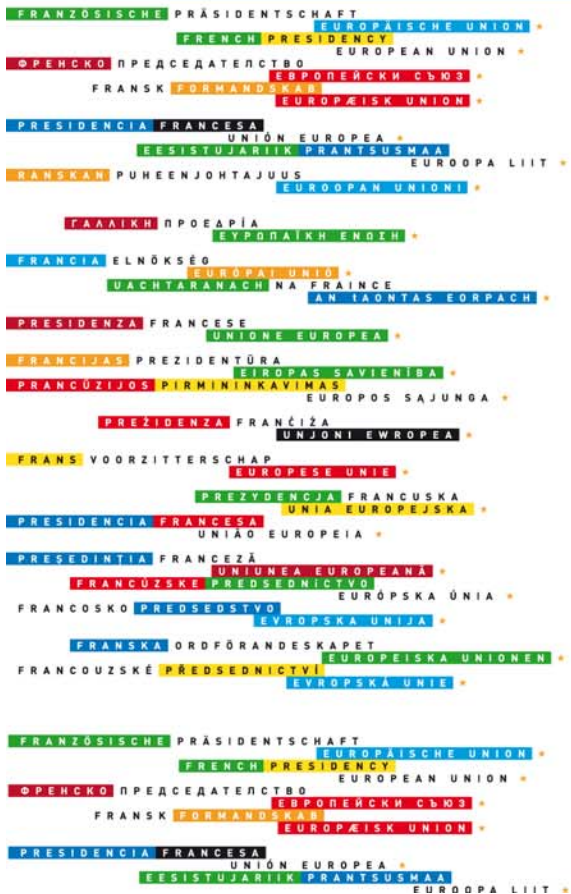
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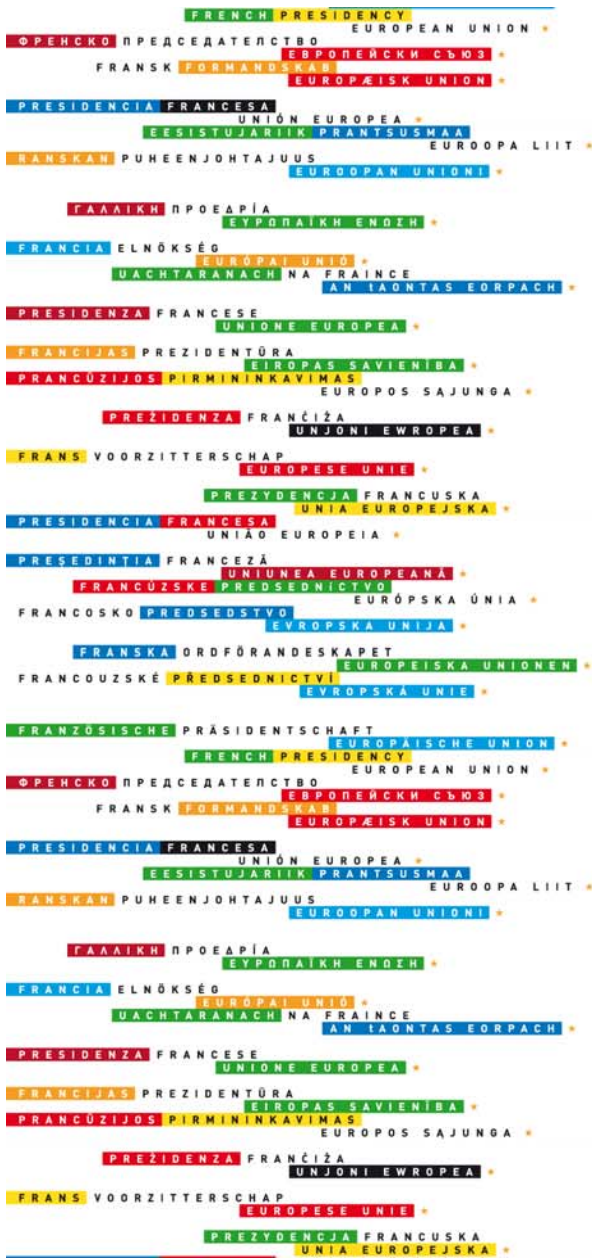
CHALLENGES

- Poverty / hunger & irrigated cultures
- Full utilisation of conventional water resources
- Increasing population density & environmental degradation

⇒ Increasing pressure



CHALLENGES



• Demand vs Supply

- 2005: 280 km³/year
- 2025: 330 km³/year

• 64% agriculture

- 14% drinking water
- 7% industry
- 15% energy

• Exploitation Index: Abstraction vs renewable resources

- EG, ISR, JO, LIB, PA, ES =
- MT, SY, TU 50% < <75%
- LB, CY, MA, TUR, ALG 25% < <50%
- GR, FR, IT <25%

DEFINITION & POTENTIAL WDM



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• How water is

- Allocated
- Channelled
- Used

• Different instruments

- Technical
- Institutional
- Legal
- Economic

• POTENTIAL FOR WDM

- 85 km³/year
- Agriculture (water efficiency < 45%)
- EU: 40%

• Virtual Water



Comparing

- 1. Water supply only option
- 2. Water pricing policies only option
- 3. Integrated option: efficient allocation, sustainable land use planning, water performance technologies and practices, emergence of a water saving culture

⇒ Option 3: best cost effectiveness ratio in the long term

HISTORICAL / POLITICAL EVOLUTION



•Med Strategy Sustainable Development, 2005

•Communication 414, EC, 2007

•CSD 16, 2008

•Climate change :
•e.g.Tunis Action Plan

GAP ANALYSIS



.2002 → 2006 National Level analysis

- .WDM policies implemented
- .However:
 - .Institutional constraints
 - .Lack of integration of policies
 - .Inadequate water pricing policies
 - .Lack public awareness

.Knowledge gap

- .Costs & economic, social and environmental benefits
- .Identify potential on the ground

WAYS TO EXPLORE



•PROMOTION OF ‘No regret Solutions’

- Common target
- Based on solid economic analysis
- Identification of WATER EFFICIENCY concrete projects on the ground

•WIDER REFLEXION

- Interlinkages btw WATER & Trade, Agriculture, Energy, Tourism



THANK YOU !

Please send your written contribution,
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