

***BARCELONA PROCESS: UNION FOR THE MEDITERRANEAN:  
EURO-MEDITERRANEAN MINISTERIAL CONFERENCE ON WATER***

*Jordan, 22 December 2008*

**FIRST INDICATIVE LIST OF PROJECTS IDENTIFIED AS EXAMPLES**

***PAPER PRESENTED BY***

***FRANCE, JORDAN, GREECE, SPAIN, THE NETHERLANDS, EGYPT, TURKEY***

**FOR INFORMATION ONLY - NOT MEANT FOR ADOPTION**

**A. Financed and replicable projects**

1. Adaptation to climate change:
  - Agricultural techniques under plant cover (Tunisia)
2. Balance between supply and demand:
  - Efficient management of agricultural water in the Jordan Valley (Jordan)
  - Joint management of the Northern Sahara aquifer (Algeria, Libya, Tunisia)
3. Conservation and rehabilitation of natural environments:
  - Rehabilitation of the Korba Laguna by reusing treated wastewater (Tunisia)

**B. Projects to be finalised**

1. Adaptation to climate change:
  - Assessment of hazardous impact of sea level rise in area of Nile Delta (Egypt)
  - Framework for intra- and Inter- Multistakeholder Cooperation for the promotion of Sustainable Development in the Mediterranean with emphasis on Water (covering all Mediterranean countries)
  - Cooperation on Climate Change Impact and Adaptation Studies in the Water Resources Sector (Egypt, region)
  - Climate Change Impact and Adaptation Studies for the Coastal Line and Deltas (Egypt, region)
2. Balance between supply and demand:
  - Installation of small desalinisation units using solar energy (Morocco, Tunisia, Jordan)
  - Water saving in irrigation (Morocco)

- Reusing Greater Tunis' treated wastewater (Tunisia) (Horizon 2020 Programme's project)
- Rehabilitation of Southern Ghors Irrigation Project (Jordan)
- Improvement of Technical Applicability of Computational Means Compiling the Water Budget-Balancing and Allocation of the National Water Resources (Jordan)
- Implementation of a DSS (Jordan, Palestine and Israel)
- Reuse project Wadi Shalala. (Jordan)
- Utilization of Husban brackish water to Supply Amman (Jordan)
- Irrigation Improvement and Drainage Rehabilitation Projects (Egypt)

### 3. Conservation and rehabilitation of natural environments:

- Red Sea – Dead Sea transfer (Israel, Jordan, Palestinian Territories)
- Rehabilitation of the lower Jordan River System (Israel, Jordan, Palestinian Territories)
- Rehabilitating the Environment of the Yarmouk Basin and Suggesting Strategies for best Management and Optimal use of Yarmouk Water Resources. (Jordan, Palestine, Syria and Israel)

### 4. Depollution of the Mediterranean:

- Sanitation in Cairo (Egypt)/enlargement of the Gabal El Asfar waste water treatment plant and strengthening capacities of contracting authorities (Horizon 2020 Programme's project)
- Promotion of schemes minimising the impact of industrial waste (Morocco, Tunisia)
- Management of Water Resources to Reduce Pollution Risks (Jordan, Palestine and Israel)
- Sanitation (Morocco - National programme of environmental improvement in rural schools - and Turkey)
- Monitoring of Water Quality in the Northern Lakes and Nile River Branches through the application of Remote Sensing Technologies (Egypt)
- Improve and Enhance the Efficiency and Performance of the Nile Delta Northern Pump Stations (Egypt)
- Solar Energy Utilization for Energy Saving and Environmental protection (Egypt)
- Control and management of ballast water in the Mediterranean (Turkey, region)

## 5. Technologies and efficient use of water

- Seawater desalination (Tunisia, Morocco, Algeria)
  - Water efficiency technology: irrigation modernization (Algeria)
  - Technology transfer (experimental centre of non conventional treatment of waste water in small cities, Morocco)
  - Establishment of a National Water Information System (Jordan, EMWIS member's)
  - EU Mediterranean water initiative – Moving long-term water issues up the political agenda & strengthening water technology research and development capacity in the region (region)
  - Capacity Building in Areas of IWRM, Water Quality, Information Systems, Climate Change and Monitoring (Egypt, region)
  - Formulate a Permanent Joint Research Committee between the Euro-Med countries (Egypt, region)
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  - Institutional Reform (Egypt, region)
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