

**Sustainable management of scarce resources  
in the coastal zone of the Mediterranean**



**Country**

European Research Project

**Client**

Project co-financed by the European Commission in the context of the INCO-MED A3 programme - Contract ICA3-CT-2002-10006

**Date**

2002-2005

**Background**

The European SMART project (Sustainable management of scarce resources in the coastal zone) aims to set up the necessary methods and resources for defining a development and management strategy for coastal zones and their catchment areas around the Mediterranean. SMART is based on an integrated, multidisciplinary approach involving scientific components (numerical simulation models, environmental indicators, etc.), socio-economic components (demographic analysis, involvement of industrial and tourist development, etc.) and political components (assistance and advice in the definition of water management and pollution control policies, comparison with European directives on water, etc.).

The project is being carried out in close collaboration with managers and decision-makers at the five pilot sites (Lebanon, Jordan, Tunisia, Turkey and Egypt), with a view to exchanging experience, developing methodologies and ensuring sustainable development.

**Essential features of the project:**

- ◆ A multidisciplinary team consisting of industrial organisations, universities, private research institutes and public organisations.
- ◆ 9 Mediterranean and European countries (Austria, France, Portugal, Italy, Lebanon, Tunisia, Jordan, Turkey and Egypt).
- ◆ Implementation period covering 36 months from 1 September 2002 to 31 August 2005.
- ◆ 5 pilot sites pilotes: Abu Ali bay and Tripoli catchment area (Lebanon), the Gulf of Aqaba

(Jordan), Izmir bay and Gediz catchment area (Turkey), Hammamet and its catchment area (Tunisia), Abu Qir bay and lake Idku (Egypt).

- ◆ Strong interactions with shore and coastal zone catchment managers at each site, water police and project partners.
- ◆ A total budget of 1 574 600 euros (including 1 104 600 contributed by the European Union).

**Sogreah's services**

- ◆ Listening to decision-makers and players in the field of water at the 5 pilot sites and evaluating their requirements and expectations.
- ◆ Analyser present and future conflicts over water use.
- ◆ Designing and developing hydrodynamic and water-quality modelling resources based on the TELEMAC software system.

## SMART

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- ◆ Defining environmental and development scenarios taking into account technical, socio-economic and political aspects in the countries concerned, in order to determine their impact on the natural environment.
- ◆ Comparing results and analyses for the 5 pilot sites (Lebanon, Turkey, Tunisia, Jordan and Egypt) in order to deduce common points and divergences.
- ◆ Designing and developing information systems for assisting with the management of water resources and decision-making using a control panel based on environmental indicators.
- ◆ Drawing up a list of recommendations for preparing, implementing and monitoring public policies in the field of water in Mediterranean coastal zones based on Sogreah's experience of European directives (WFD).
- ◆ Applying new information and communication technologies in the service of the environment.