

Project Objectives

MESSINA partners

The long term objective of MESSINA is to help bridge these gaps by breaking "knowledge isolation" of some local authorities and institutions in Europe and by raising their managerial and technical capabilities through a mutualisation of the experience accumulated by each of them. More operationally, MESSINA is expected to:

Objective 1: Provide a state of the art of shoreline monitoring and modelling techniques supporting coastline management policies, with a particular attention paid to innovative techniques;

Objective 2: Review concrete examples of economic analysis methodologies applied to shoreline management policy inside and outside Europe;

Objective 3: Embed lessons learnt from existing coastal defence engineering practices - including hard and soft engineering - into coastal planning processes at the local level;

Objective 4: Assess information requirements to better integrate coastal erosion processes into spatial planning policies;

Objective 5: Design and implement a pilot GIS-based information system dedicated to shoreline management planning at the local level, to be experimented by the project partners

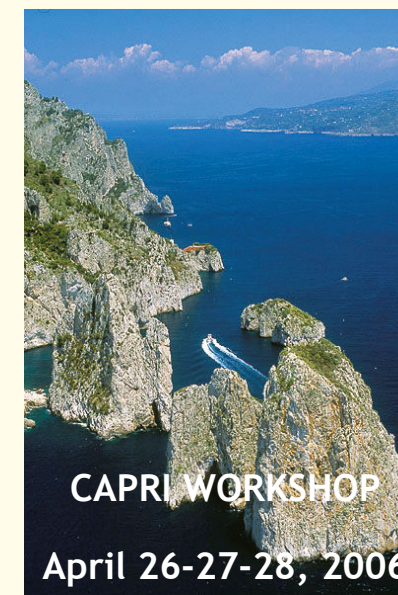
Ultimately, MESSINA aims at maximizing the benefits of future investments in coastline management and raising the public awareness about the need to manage the coastline in a sound and sustainable way. A MESSINA Coastal Toolkit will be available by September 2006, comprising Practical Guides preliminary discussed within the current workshop.

- ◆ **Institut Géographique National - IGN France International**
French Geographic Institute (France)
- ◆ **Rijksinstituut voor Kust en Zee (RIKZ)**
National Institute for Coastal and Marine Management of the Netherlands (Netherlands)
- ◆ **Communauté d'Agglomération du Bassin de Thau**
Agglomeration municipalities of the Thau Basin (France)
- ◆ **Ystadskommun**
Municipality of Ystad (Sweden)
- ◆ **Università degli Studi di Messina**
University of Messina (Italy)
- ◆ **Università degli Studi di Napoli Federico II**
University of Naples (Italy)
- ◆ **Universidad Autónoma de Barcelona (UAB)**
Autonomous University of Barcelona (Spain)
- ◆ **Uniwersytet Szczeciński**
University of Szczecin (Poland)
- ◆ **Urząd Gminy w Rewalu**
Municipality of Rewal (Poland)
- ◆ **Statens Geotekniska Institut (SGI)**
Swedish Geotechnical Institute
- ◆ **Erosionsskadecentrum**
Centre for coastal erosion studies (Sweden)
- ◆ **Provincia regionale di Ragusa**
Province of Ragusa (Italy)
- ◆ **Isle of Wight Council (UK)**

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Managing European Shorelines and Sharing Information on Nearshore Areas



www.interreg-messina.org

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Workshop Programme activities

Wednesday 26th

- 9.45 Workshop opening - Registration
- 10.00 Regional and local Authorities greetings
- 10.30 *Overview of the Project MESSINA* (H. Pichon)
- 10.45 *Presentation of MESSINA Workshop Engineering the Shoreline* (T. de Pippo)
- 11.00 Coffee Break
- 11.30 *Beach nourishment applications on Maronti Bay - Isle of Ischia* (C. Petrosino - University of Naples)
- 12.00 *Shoreline management integrating beach nourishment and artificial reef creation in Giardini-Naxos Bay* (A. Pelle, G. Randazzo - University of Messina)
- 12.30 *Coastal protection in Dziwnow and its results* (K. Furmańczyk - University of Szczecin)
- 13.00 *Seaview Duver Coastal Defence Scheme, Isle of Wight. Case study illustrating the nature conservation value that can be achieved through mitigation* (C. Marriott - Isle of Wight Council)
- 13.30 Lunch
- 15.00 *Tordela River delta: sedimentary balance can be managed?* (J. Serra - University Autonomus of Barcelona)
- 15.30 *Nourishment and maintenance of sandy beaches, using marine bottom material: the needs for the management of the coastal protection* (D. Paltrinieri - Arenaria s.r.l. Ancona)
- 16.00 *Geco BMS: innovative system of coastal defence* (F. Civitaresse - Geco s.r.l.)
- 16.30 *Cost-benefit analysis of soft coastal defence techniques: a "case studies" review* (M. Apicella - Scientific and Technologic Park of Salerno and Inner Areas of Campania)
- 17.00 Coffee Break
- 17.30 Presentation of MESSINA Practical Guide *Engineering the Shoreline*
- 18.00 Discussions

Thursday 27th

- 9.45 *Workshop Monitoring and Modelling the Shoreline - Introduction* (R. Mc Innes)
- 10.00 Presentation of the Ragusa case-study (G. Biondi - Province of Ragusa)
- 10.30 *Strategic Monitoring of South East England* (A. Bradbury)
- 11.00 Coffee Break
- 11.30 *The use of magnetic data as an innovative monitoring technique* (E. Mathie - Isle of Wight Council)
- 12.00 Introduction to the other case-studies and the MESSINA Practical Guide *Monitoring and Modelling the Shoreline* (C. Marriott - Isle of Wight Council)
- 12.30 Round table discussions (C. Marriott)
- 13.00 Lunch
- 14.30 *Workshop Valuing the Shoreline - Introduction* (K. Rankka - Swedish Geotechnical Institute)
- 14.40 *Socio-economic methods for evaluating decisions in coastal erosion management* (M. Persson - Lund University)
- Socio economic analysis / 4 case studies
- 15.10 *Ystad Sandskog* (E. Alm and A.-S Eriksson - City of Ystad)
- 15.35 *Coastal Extension in South Holland and Protection of coastal cities* (E. Uytewaal - RIKZ)
- 16.10 *Protection measures for the ruins of the church on Trzesacz* (K. Furmańczyk - University of Szczecin)
- 16.40 Coffee Break
- 17.00 *Coastal erosion on Sète's Lido* (Autonomous University of Barcelona)
- 17.30 Presentation of MESSINA Practical Guide *Valuing the Shoreline*
- 18.00 Discussions

Friday 28th

- 9.45 *Workshop Designing and implementing GIS-based information system dedicated to shoreline management at local level - Introduction* (H. Pichon)
- 10.00 *Observation of a spatial planning process: the rehabilitation of the lido between Sète and Marseillan - France* (N. Hérisson - Communauté d'Agglomération du Bassin de Thau)
- 10.30 *Integration of GIS data for spatial planning: the polish case of Rewal* (I. Szakowski, J. Dudzinska - University of Szczecin)
- 11.00 Coffee Break
- 11.30 *GIS integration as a tool for risk assessment and follow-up of the French Coastal Law towards recommendations for coastal observatories: the case of the Côte d'Albâtre, in High-Normandy, France* (H. Pichon - IGN France International)
- 12.00 *The French Coastal Observatory and its involvement in DEDUCE INTERREG IIIC project* (S. Colas - French Environmental Institute)
- 12.30 Presentation of MESSINA Practical Guide *integrating the Shoreline into spatial planning policies*
- 12.45 Discussions
- 13.00 Lunch
- 15.00 Plenary session of MESSINA Components on the Project conclusion and Practical Guide editing
- 16.00 Poster Session on MESSINA Components topics and case studies, next events and meetings
- 17.00 Discussions
- 17.30 Closure of workshop sessions
- 20.30 Official Dinner