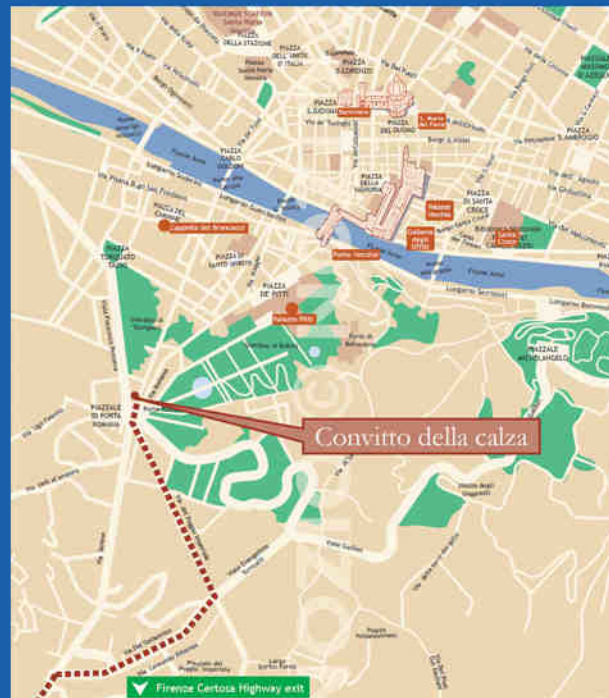




Regione Toscana

Diritti Valori Innovazione Sostenibilità

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Convitto della Calza

Piazza della Calza, 6- 50125 Florence – phone: 0039 055 222287
Informations WWW.calza.it

By plane

From Florence's Amerigo Vespucci Airport, take the "Vola in Bus" shuttle to the Santa Maria Novella train station. From the station, take one of the following ATAF buses: 11 (to Due Strade), 36 (to Mulino Nuovo) or 37 (to Galluzzo/Tavarnuzze) and get off in Piazza Della Calza. The Hotel Convitto della Calza faces the piazza at no. 6.

By Train

From Santa Maria Novella station take one of the following ATAF buses: 11 (to Due Strade), 36 (to Mulino Nuovo) or 37 (to Galluzzo/Tavarnuzze) and get off in Piazza Della Calza. The Hotel Convitto della Calza faces the piazza at no. 6.

By Car/Bus

From the A1 tollway, exit at "Firenze Certosa" and follow the signs for the Centro to Piazzale di Porta Romana. Pass through the ancient gate; the Piazza you come to is Piazza della Calza, you've arrived: the Hotel Convitto della Calza is at no. 6.

For information, please contact:

Regione Toscana

Direzione Generale Politiche Territoriali e Ambientali
Settore Tutela del Territorio e della Costa
Tessa Ercoli
tessa.ercoli@regione.toscana.it
www.beachmed.eu



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Regional Framework Operation

Strategic management of beach protection measures for the sustainable development of Mediterranean coastal areas

BEACHMED-e

Phase C Component 2 Conference

Subprojects progress of Phase C (Component 2), BEACHMED-e RFO

February 22nd - 23rd 2008

Florence
Convitto della Calza

February 22nd

BEACHMED-e Phase C Component 2 Conference

February 23rd

9:00 Registration

9:30 Opening of the Conference
Marco Betti, Regional Councillor for the Protection of the Territory and the Hydrological Service

10:00 **The Tuscan experience on coastal zone management**

Maria Sargentini, Tuscany Region, head of the Unit on Territorial and Coastal Protection

10:30 **Presentation of the Beachmed-e operation: the developments**

Paolo Lupino, Lazio Region, Regional Department for the Environment and People Cooperation

11:00 **The Component 2 of the Beachmed-e Project in the framework of the Tuscany Region ICZM Plan**

Luigi E. Cipriani, Tuscany Region, Unit on Territorial and Coastal Protection

11:30 Coffee Break

Thematic Session: subprojects progress of Phase C Component 2

12:00 **OPTIMAL - Erosion Monitoring**

Enzo Pranzini, Department of Earth Sciences of the University of Florence

12:30 **NAUSICAA - Climate and Erosion**

Frédéric Bouchette, University of Montpellier II Lab Geosciences

13:00 Lunch

15:00 **ReSAMMÉ - Sandy Deposit Research**

Mentino Preti, ARPA-IA Emilia-Romagna

15:30 **EUDREP - Sustainable Exploitation**

Luisa Nicoletti, ICRAM

16:00 **The experience of U.S.Army Corps of Engineers**

Jack E. Davis, Coastal & Hydraulics Laboratory

16:30 Discussion and Conclusions

17:00 Presentation of the field trip along the Tuscan coast

A simultaneous Interpretation service from/to Italian, French, Spanish, Greek and English will be provided

Field trip along the Tuscan coast

8:30 Departure from the Convitto della Calza

13:00 Lunch

19:00 Return to the Convitto della Calza

Sandy coastal littorals of the industrial countries are territory of special interest for sustainable strategic development. In these areas social and economic interests and the protection of natural ecosystems must meet the target of Integrated Coastal Zone Management (ICZM). However, beaches are delimited along the coastline, by a demarcating line (shoreline). From the morphologic point of view this line is an area of delicate equilibrium between sea action and availability of sand along the coast. This territory is especially delicate in respect of phenomenon that have now achieved global relevance and that are structurally linked to our modern development model:

- Vulnerability to the consequences of CO2 increasing in the atmosphere (increasing mean sea level, greater intensity of meteoric marine events);
- Vulnerability to reduced river sediment load transport (dams, river defence & river training measures, erosion control measures, extensive presence of paved area in river catchments);
- Vulnerability to the loss of natural protection areas due to uncontrolled urban development (posidonia fields, dune systems, autochthon coastal vegetation);
- Vulnerability to coastal infrastructures affecting sediment transport along the coastline (ports, piers, dams, breakwaters, reefs).

It is necessary to define global strategies and long term measures in regards to each of the above issues of vulnerability, each one involving remarkable erosion to the coastline and consequent economic and environmental damage. The erosion phenomenon of low coasts is still more exalted by the request of coastal spaces that, for the high potentialities of development, is more and more strong and pressing, putting in evidence a sensibility also regarding the coast periodic or seasonal regressions.

The BEACHMED-e Operation has been structured in three lines of action, called COMPONENTS, finalised to the identification of location of specific instruments. The aim of the project is to fight induced vulnerabilities and to make such instruments available to public Administrations:

- Design & construct technical instruments to characterise erosion at European scale and for the sustainable use of resources (Component 2);
- Set up of management instruments - for relation between urbanland development and morphologically fragile areas, related to ordinary and exceptional sea storms (Component 3);
- Set up of normative and organisational instruments – to define, regulate and manage coastal defence by all parties involved (Component 4).

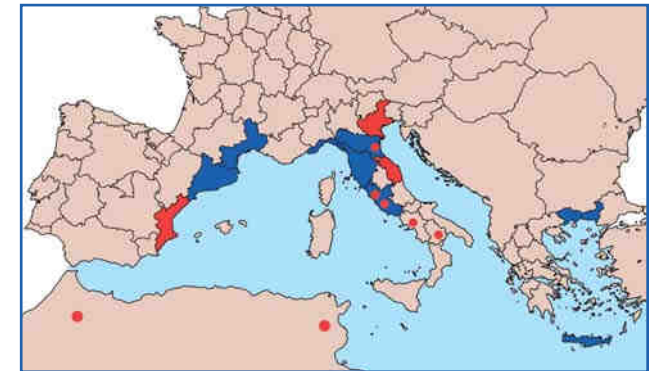


Scientific and technical activities of each Subproject will be developed and closed within the first half of 2008. Work is divided into three specific phases:

- Phase A: State of the art, bibliographical research, analysis of the database, exchange of experience, meetings with experts.
- Phase B: in-depth work on the topics of the Subprojects, research on and analysis of problems, outlining methodologies for the solution of problems, creation of common archives.
- Phase C: application of in-depth work and methodologies, creation of new solutions within the activity (pilot project or practical application).

The conference will focus on the Phase C – Component 2

COMPONENT	MEASURE and SUBPROJECT
2 Project plan and implementation of technical tools required for the characterization of the erosive phenomenon on a Mediterranean scale and for sustainable development of resources.	2.1 Erosion Monitoring OPTIMAL
	2.2 Climate and Erosion NAUSICAA
	2.3 Sandy Deposit Research ReSaMMè
	2.4 Sustainable Exploitation EuDREP
3 Interaction between urban development and areas which are morphologically sensitive in relationship to erosion and storm risk.	3.1 The Coastal Zone Medplan
	3.2 ICZM ICZM-MED
	3.3 Sedimentary Cycle GESA
	3.4 Natural Defense Systems POSIDuNE
4 Determine regulatory and organizational tools for the definition, regulation and management of coastal protection mechanisms for all public and private parties involved.	4.1 Regulation Process ObsEMedi



The Partnership in the Regional Framework Operation

Regione Lazio (IT), Regione Emilia-Romagna (IT), Regione Toscana (IT), Regione Liguria (IT), Conseil Général de l'Hérault (FR), Direction Régionale de l'Équipement Languedoc-Roussillon (FR), Generalitat Catalunya (ES), Est Macedonie and Trace Region (GR), Crete Region (GR)

Observing Partners

Generalitat Valenciana (ES), Drapor, Société de Dragage des Ports (Morocco), APAL, Agence de Protection et d'Aménagement du Littoral (Tunisie), Regione del Veneto (IT), Marevivo (IT), Ordine degli Ingegneri della Provincia di Napoli (IT), Centro di Educazione Ambientale (IT), Regione Marche (IT), F.A.I.C.T. Forum delle Città Adriatiche e Ioniche (IT), Acqua SPA Società per l'approvvigionamento idrico della Basilicata (IT), Parco Regionale del Delta del Po (IT)

Participant Partners

ARPA-Emilia Romagna, Università di Ferrara Dip. Scienze della Terra, CIRSA, Università di Bologna DISTART, Università di Bologna Dip. Biologia Evoluzionistica Sperimentale, Provincia di Pisa, Università di Firenze Dip. Ingegneria Civile, Università di Firenze Dip. Scienze della Terra, Comune di Follonica, Provincia di Livorno, Università di Roma La Sapienza Dip. Scienze della Terra, Università di Roma La Sapienza Dip. Biologia Animale e dell'Uomo, ICRAM – Roma, Litorale SPA, Registro Italiano Dighe, Università della Toscana Dip. Di Ecologia e Sviluppo Economico Sostenibile, Università degli Studi di Genova – DIP.TER.IS., Università degli Studi di Genova Facoltà di Architettura – Dipartimento Polis di Storia e Progetto dell'Architettura, del Territorio e del Paesaggio, ICCOPS – Landscape Natural and Cultural Heritage, ARPAL-Liguria, EID Méditerranée, Université de Montpellier ISTEEM, Université de Perpignan BDSI, Université de Montpellier 1 CEP/LASER, BRL, Université de Perpignan LEGEM, Instituto de Ciencias del Mar, Universitat de Barcelona, Laboratoire de l'Hydraulique et des Travaux Hydrauliques - Université Democritus de Thrace, Chambre Technique de Grèce - Section Regionale de Thrace, Laboratory of Ecological Engineering and Technology - Department of Environmental Engineering Democritus University of Thrace, Fondation Nationale de Recherche Agricole – Institut de Recherche Halieutique, Insitute des Mathématiques Appliquées (IACM), Organisme pour le Développement d'Est Créte (OANAK).