MEASURE 4.1
OBSEMEDI

Regulation and promotion of a European observatory for coastal defence in the Mediterranean

Phase A Conference
Alexandroupoli, november 10th 2006

OBSEMEDI PROJECT

Line 1

Regulation Process:Proposal for European regulations concerning the employment of underwater deposits and beach nourishment processes

Line 2

The Observatory: Study aimed at promoting a European Observatory for the Defence of Mediterranean Coasts

PARTNERS INVOLVED

Line 1

CIRSA, ICCOPS, ICRAM, Municipality of Follonica,Technical Chamber of Greece – Regional Section of Trace

Line 2

FORTH-IACM, ARPAL Liguria, Consortium EL FAR, OANAK, University of Ferrara, University of Florence, Technical Chamber of Greece – Regional Section of Trace

Line 1

Line 1

General Objective

To create a proposal for European regulations (laws and rules) concerning the use of marine deposits and beach nourishment, aimed at the use and defence of coastal zones

Line 1

methodology

regulatory approach ⟷ **traditional normative approach**

Regulatory system

What is it ?

And

Why is it better ?

Line 1

What is it?

- Regulation is structurally different to laws
- Regulation is represented by a flow of “rules” aimed at organising actions and specific applications within a specific sector
- Regulation is “rule making”

Line 1

Regulatory system is made by:

Protocols, agreements, guidelines,
best practices,
rules of conduct, etc

Line 1

It is better because

- regulatory system is able to manage the complexity of issues at stake
- It is able to manage scientific and technical aspects, availability of technical means, many administrative and socio-economic interests involved

Phase A

Line 1

Bibliographical and normative collection

Line 1

specific contents to develop

- **"Regulation" criteria and experiences in international, EU, national and regional field regarding coastal management and defence activities**
- **Normative aspects and "regulation" experiences concerning activities and impacts on coastal areas in Mediterranean regions**
- **Specific criteria and "regulation" experiences regarding coastal defence interventions in Mediterranean regions**
- **Monitoring, information and prevention models and experiences**

Line 1 Documents categories

- International, communitary, national and regional legislation
- Communitary, national and regional regulation (administrative and technical-scientific directives, guidelines, codes of conduct, best-practices, etc)
- Communitary and national jurisprudence
- Scientific publications
- Other Documents (communitary preparation acts,white books, green books, normative proposals, congress reports, etc.)

Line 2

Line 2

European Observatory feasibility study

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"Observatory System"

↓

Net based on current existing organisational assets

Line 2

The study will be developed into 4 phases

1. Current status
2. Needs
3. Methodology
4. Resources

1. Current status

Census and analysis of the structures which carry out coastal monitoring activities, especially in terms of erosion or climatic phenomena

2. Needs

Exploratory analysis of information needs for structures to defend coastlines

3. Methodology

Proposal of an Observatory system from an organisational and operative point of view

4. Resources

Exploratory cost analysis (in monetary and organizational terms) currently incurred to monitor coasts, potential costs incurred for operations interested in supporting monitoring activities

Phase A ObseMedi Line 2

1. Current status

a) Organisational Framework of Coastal Monitoring Structures

b) Questionnaire

Line 2

a) Organisational Framework of Coastal Monitoring structures

How: Information gathering by Internet and direct contacts

Where: Mediterranean coastal regions

Organisms of Mediterranean coastal regions contacted by Questionnaire

Line 2

b) Questionnaire

In this Phase the Questionnaire was submitted to the institutional organisms contacted

Line 2

What we asked

1. Operational Technical Services

- **IMAGE GATHERING**
- **GROUND MAPPING OF THE COASTLINE**
- **SEDIMENT AND MINERAL CLASSIFICATION**
- **BATHYMETRIC MEASUREMENTS AND SONAR**
- **AERIAL AND SATELLITE MAPPING**
- **GATHERING AND PROCESSING CLIMATE DATA**
- **TERRITORIALLY SCALED MODELS, ETC**

Line 2

2. Advisory Technical Services

- **DEFINITION OF EVALUATION CRITERIA TO ANALYSE EROSION**
- **IDENTIFICATION OF GEOINDICATORS**
- **CERTIFICATION PROCEDURES FOR DATA**
- **PROCESSING AND ASSESSING METHODOLOGIES TO IDENTIFY VULNERABILITY, RISKS AND AND ADAPTABILITY OPTIONS**
- **OPTIMISING RESOURCES**
- **METADATA EXCHANGE**

Next activities

- Line 1
- Development of a first analysis of normative and regulatory framework at EU level and national level
- Draft of a comparative study on national and regional best practices in the coastal management and defence area
- Line 2
- Questionnaire answers assessment
- Analysis of information needs for structures to defend coastlines
- Preparation of the second Questionnaire (Resources)