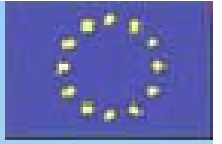


**MAMA** Kick-off Meeting,  
*Paris, 11-13 March 2002*



# **M**editerranean network to **A**ssess and upgrade **M**onitoring and forecasting **A**ctivity in the region

**WP8-DISS&PROD: Task 8.1**

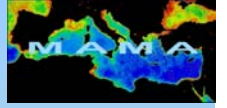
## **Coastal Erosion Protection and Integrated Coastal Zone Management Guidance Demonstrator**

Dov S. Rosen

**Head, Department of Marine Geology and Coastal Processes**



**Israel Oceanographic & Limnological Research**

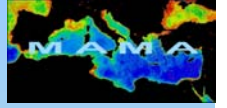


## *Objectives of the CEROSPIG Demonstrator:*

- i. Provide information on *coastal erosion* problems,
- ii. Develop capacity for *Sustainable Integrated Coastal Zone Management* based on Forecasts of the coastal environment.

## *Method of achievement:*

Develop a web-site *providing guidance and information on Protection against Coastal Erosion and on Integrated Coastal Zone Management.*



## **Scope of work:**

**Preliminary conceptual design of the web site based on:**

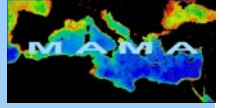
- a. A survey of information data and web links**
- b. Survey of potential user demands for relevant information and for potential sources of information and data providers on Coastal Erosion Protection and ICZM Guidance**

**Formulation of specifications for the CEROSPIG Demonstrator,**

**Development of CEROSPIG with the assistance of  Ltd. and its Dev2Go web build tools,**

**Implementation, test tuning and operation of the CEROSPIG Demonstrator.**

**Idune & Dev2Go web site: [www.idune.com](http://www.idune.com)**

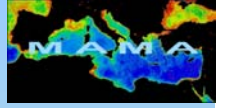


## ***8.1.1 - Present state, demands and specifications for the CEROSPIG Demonstrator M3-M12***

***8.1.1a – Carry out a survey of coastal protection and ICZM information data and web links***

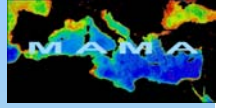
***8.1.1b - Questionnaires to MAMA members for information identifying and describing :***

- (i) their national coastal erosion problems,***
- (ii) data sources, responsible bodies and types of data availability, coverage and formats,***
- (iii) guidance needs on erosion protection, ICZM and capacity building.***



## **8.1.1c - Prepare specifications for the CEROSPIG based on following collected information**

- **Status of coastal processes, on sea-level rise effects, coastal erosion and coastal development in Mediterranean countries,**
- **State of the art methods of coastal protection and ICZM,**
- **Links to met-ocean, bathymetric and geological data banks and NRT forecasting sites,**
- **Experience gathered from case studies relevant for Mediterranean bordering countries,**
- **Directory of EU bodies, experts and manufacturers involved in research and implementation of coastal erosion protection and ICZM,**
- **Participants' information and presentation of received information with relevant conclusions /guidance after professional review by a board of experts on these issues.**

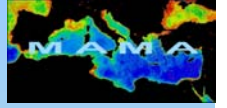


## **8.1.2 - System analysis, specifications, design and realisation of the demonstrator M13-M21**

**The CEROSPIG Demonstrator will be developed at IOLR and a copy will be installed as mirror site on the MAMA WWW.**

**It will be developed in compliance with international standards for structured development of information systems via the following steps:**

- 1. System analysis,**
- 2. Rough and detailed specifications,**
- 3. System design**
- 4. Development of the CEROSPIG demonstrator**

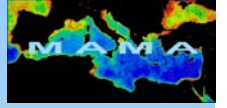


## 8.1.2 – CEROSPIG capabilities

**The demonstrator will be designed to include:**

- **All relevant functions to upload, download and update data and information via the Internet,**
- **Capability to import and export filters to a number of common formats and operating systems.**
- **Capability to verify information and data consistency, actuality and relevance.**
- **Capability for some basic functions facilitating sound and visualisation (JPG, GIF, TIF, and movies).**





### **8.1.3 - Implementation, test-wise operation and optimisation of the demonstrator M22-M28**

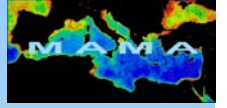
**During the 6-month testing stage (Mo22-Mo28), the CEROSPIG software will be accessed by all MB who will be asked to provide feedback on its performance and give recommendations for optimisation in preparation to the full operational state.**

**Experiences and recommendations will be compiled in procedures and guidelines to facilitate the transfer to a fully operational system.**

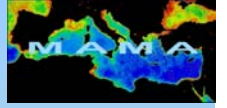
**Perform analysis of future operation and maintenance costs of the system, and a cost-benefit analysis concerning operational data exchange in the Mediterranean.**

**At the end of this exercise CEROSPIG will be launched and opened to unrestricted access.**





<b>MILESTONES</b>	<b>BENCHMARK DELIVERY (in Months from start)</b>
<b>Technical report on CEROSPIG</b>	12
<b>Launching of CEROSPIG prototype on WWW</b>	21
<b>Final CEROSPIG on WWW</b>	28+



***THANK YOU!***

***a) FOR YOUR ATTENTIVE LISTENING***

***b) FOR YOUR FUTURE COOPERATION IN  
PROVIDING INFORMATION & TESTING  
THE CEROSPIG DEMONSTRATOR***

