



Mediterranean network to Assess and upgrade Monitoring and forecasting Activity in the region

WP8-DISS&PROD: Task 8.1

Coastal Erosion Protection and Integrated Coastal Zone Management Guidance Demonstrator

Summary of 1st Year Progress and 2nd Year 1st half plans

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Objectives of the CEROSPIG Demonstrator:

- . Provide information on *coastal erosion* problems
- i. 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.*

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Scope of work:

8.1.1 - Present state, demands and specifications for the CEROSPIG Demonstrator

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: national coastal erosion state national data sources; responsible bodies for ICZM and coastal erosion protection; types and coverage of relevant coastal erosion and ICZM data available; guidance and capacity building needs on erosion protection and ICZM ;

8.1.1c Prepare specifications for the CEROSPIG based on collected information regarding: status of coastal processes and erosion protection; experience gathered from case studies; providers of information, assistance and data; EU

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Scope of work - continued:

3.1.2 - System analysis, specifications, design and realisation of the CEROSPIG demonstrator web site

3.1.3 - Implementation, test-wise operation and optimisation of the demonstrator

| MILESTONES | Planned Delivery | Updated Delivery |
|---|-------------------------|-------------------------|
| Questionnaire to MAMA members | 01.09.2002 | 01.02.2003 |
| Technical report on CEROSPIG | 01.01.2003 | 01.05.2003 |
| Launching of CEROSPIG prototype on WWW | 01.10.2003 | 01.07.2003 |
| Final CEROSPIG on WWW | 01.05.2004 | 01.05.2004 |

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1st Year Progress Status and 2nd Year Tasks:

| Task No. | Description (Pl. – Planned; A. –Actual) | Pl. Start A. Start | Pl. End A. End |
|----------|--|-----------------------|--------------------|
| 8.1.1a | ✓ Carry out a survey of coastal protection and ICZM information data and web links | 03/2002 01/2002 | 10/2002 10/2002 |
| 8.1.1b | • Questionnaires to MAMA members | 03/2002 03/2002 | 09/2002 02/2003 |
| 8.1.1c | ✓ Prepare specifications for CEROSPIG based on: ✓ <i>status</i> of coastal processes and erosion protection; ✓ experience gathered from case studies; ✓ providers of information, assistance and data; ✓ EU bodies, experts and manufacturers; • information from 8.1.1b; | 03/2002 03/2002 | 01/2003 05/2002 |
| 8.1.2 | ✓ System analysis, specifications, design and realisation of the demonstrator | 01/2003 07/2002 | 09/2003 07/2003 |
| 8.1.3 | • Implementation, test-wise operation and optimisation of the demonstrator | 10/2003 | 04/2004 |

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Details on achievements 1st year:

3.1.1 - Present state, demands and specifications for the CEROSPIG Demonstrator

3.1.1a Survey of coastal protection and ICZM information data and web links:

Prepared list of addresses of project relevant web sites;

Learned and contacted research and information programs (EU, International) e.g.: EUrosion, NetCoast, CoastBase, CoastLearn, MedOpen, Med Clearing House, SISCAI, ESEAS-RI;

Determined relevant guidance provided by publications of: USACE CEM, PAP/RAC ICZM manuals, RIKZ manuals, ICE manuals, Commission RAMOGE, ICCE, PIANC, ASBPA, IAHR, IPCC;

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Details on achievements 1st year - continued:

8.1.1a Survey of coastal protection and ICZM information data and web links - continued:

Updated information on state of the art methods of coastal protection and ICZM ;

Prepared list of web addresses links to met-ocean bathymetric and geological data banks and NRT forecasting sites relevant to the Mediterranean;

Prepared (partial) listing of documents providing experience gathered from case studies relevant for Mediterranean bordering countries (eg. UNEP-CAMP countries studies);

Prepared list of websites listing experts and manufacturers involved in research and implementation of coastal erosion protection and ICZM;

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Details on achievements 1st year - continued:

3.1.1 - Present state, demands and specifications for the CEROSPIG Demonstrator

3.1.1b Questionnaires to MAMA members:

Prepared structure of the questionnaires and partial ;

Partial preparation of queries, to be finished based on the additional information from other EU relevant programmes (EUrosion, NetCoast, CoastBase, CoastLearn, MedOpen) such as to prevent repetition or ambiguity. Will be completed by mid January 2003.

Prepared MS Visual Basic software for generation of the electronic questionnaires such as to automatically assimilate the replies in an ACCESS data base for further statistical analyses.

Prepared preliminary questionnaire, to be updated to final version by mid January 2003.

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Details on achievements 1st year - continued:

8.1.1 - Present state, demands and specifications for the CEROSPIG Demonstrator

8.1.1c Specifications for the CEROSPIG based on collected info:

Reviewed status of coastal processes, on sea-level rise effects, coastal erosion and coastal development in Mediterranean countries based on published information (CAMP report, IPCC 2002 report, ICCE 2002, LITTORAL 2002, PAP/RAC Coastal Erosion Experts Meeting 2002, etc.).

Assimilated the information derived from 8.1.1a, yet missing that from 8.1.1b.

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Details on achievements 1st year - continued:

3.1.2 - System analysis, specifications, design and realisation of the CEROSPIG demonstrator web site

Contracted *iDune* Ltd. for providing guidance in using *Dev2Go* web build tools and developing the CEROSPIG Demonstrator web site and purchased *Dev2Go* software.

Started the structured development of the CEROSPIG web site by preliminary conceptual system design and system analysis and by preparation of initial specifications.

Started learning the software, installed on temporary server and started development of preliminary CEROSPIG web site.



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Athenaeum Inter-Continental Hotel, Athens, Greece



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EXAMPLES of documents & sites:



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NetCoast



A Guide to Integrated Coastal
Zone Management



Coastal zones



Processes



Experiences

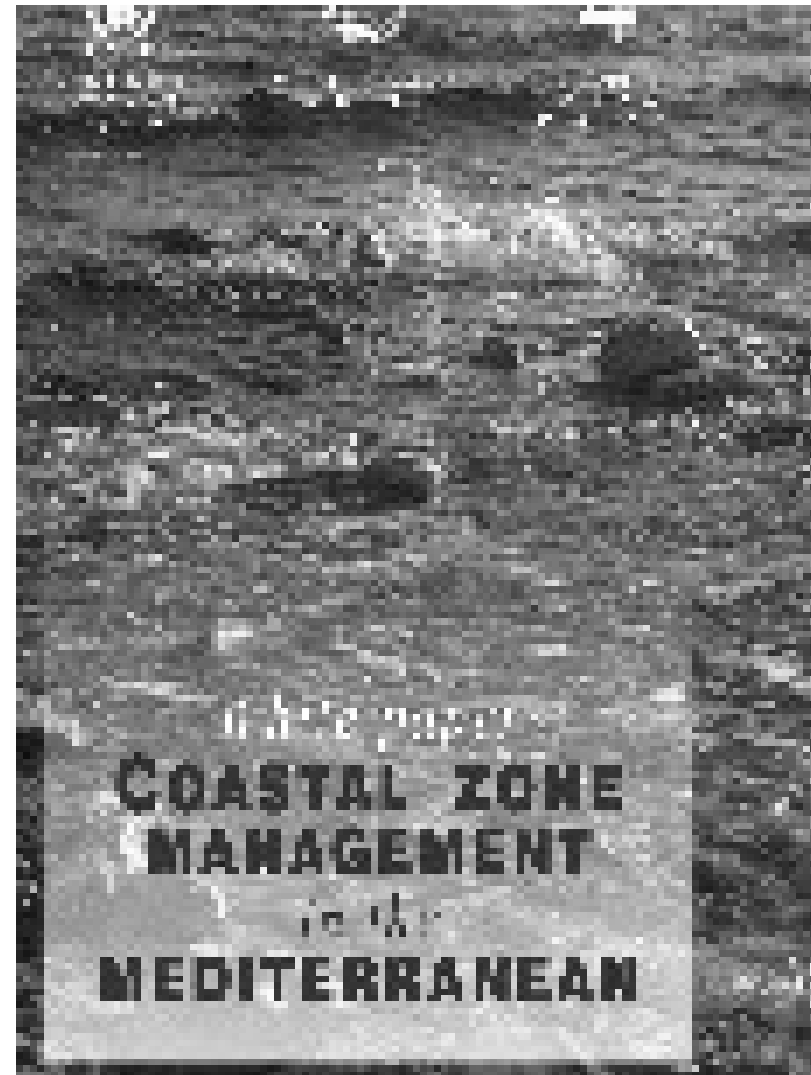
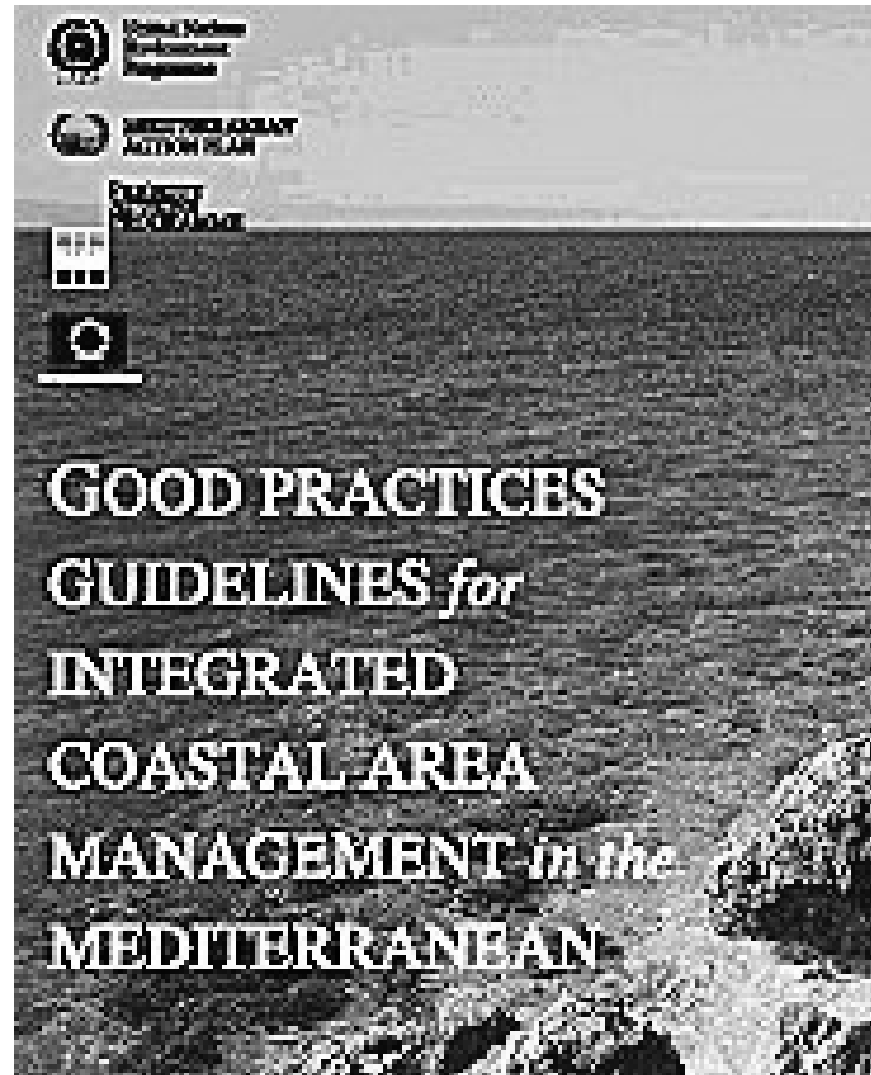
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RIKZ

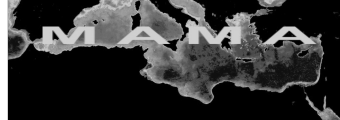


About **NetCoast**

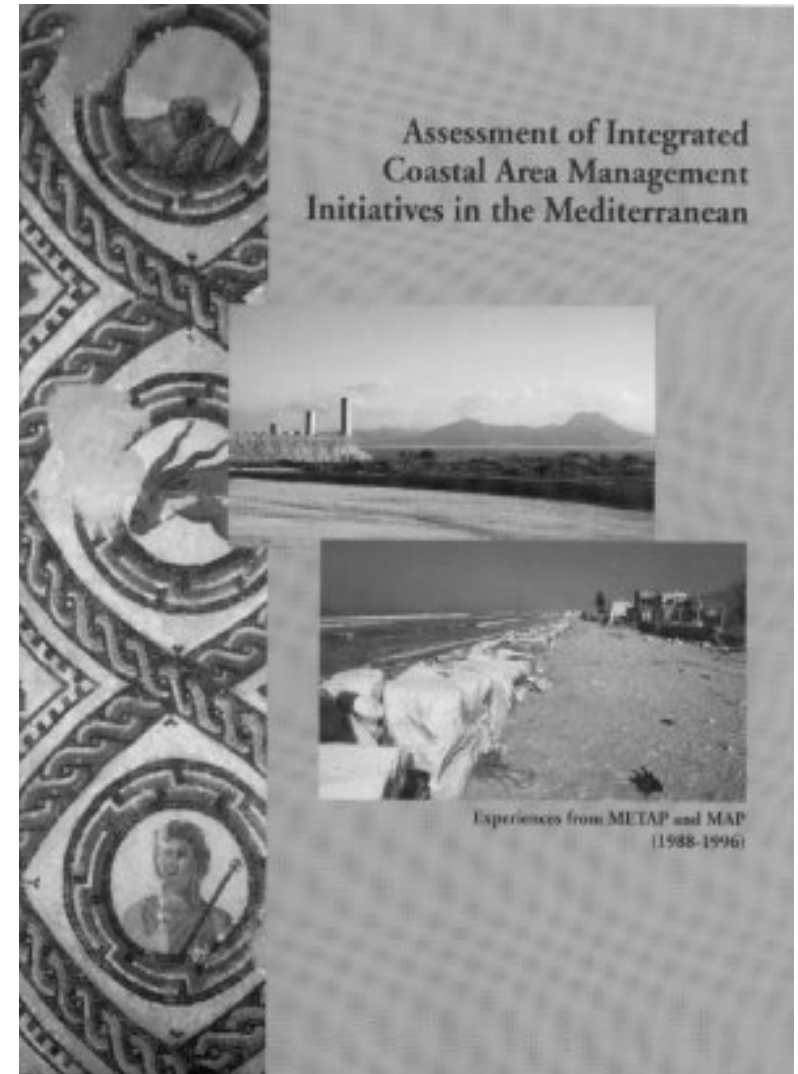
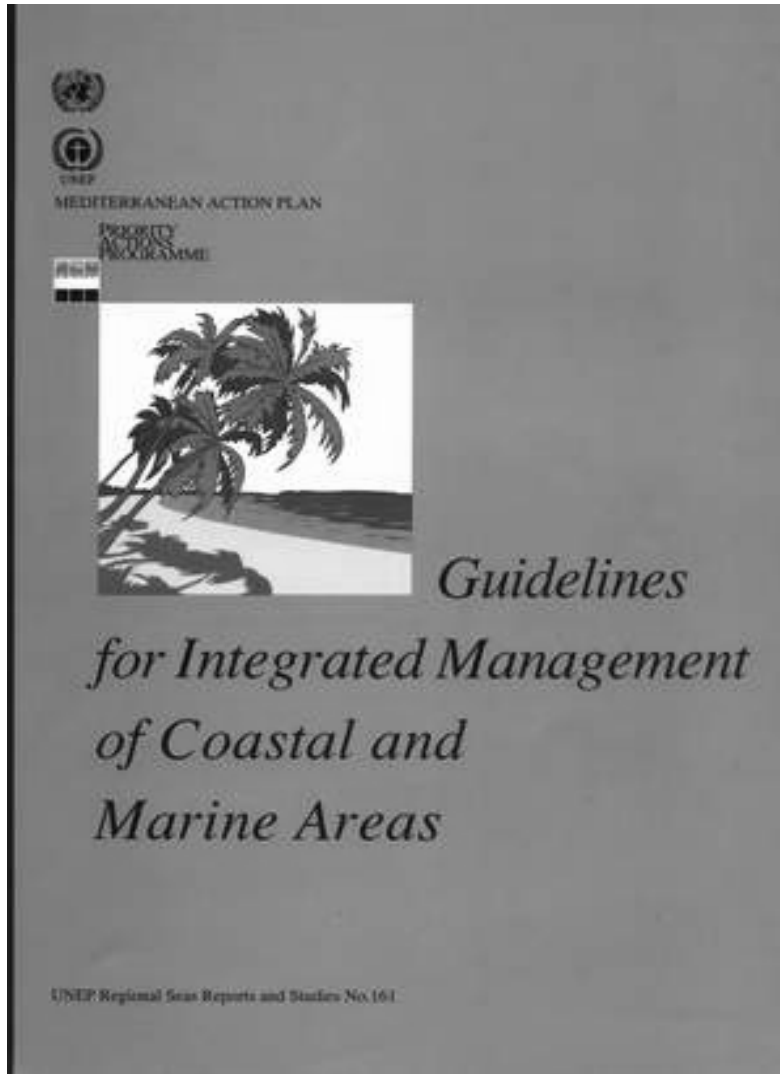


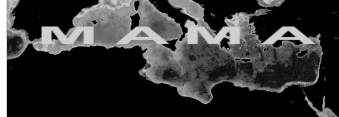
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Fondazione Eni Enrico Mattei

**Climate Change Impacts on the
Mediterranean Coastal Zones**

Frédéric Brochier and Emiliano Ramenzi

NOTA DI LAVORO 27.2001



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THANK YOU!

a) FOR YOUR ATTENTIVE LISTENING

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