

Review of MAMA WP 1 Activities July - December 2002

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MAIN WP 1 Activities

Task 1.2

- Country profiles on the current capabilities in pre-operational ocean forecasting**
- Inventory on marine monitoring activities**

MAMA WP1

Country Profiles on Pre-Operational Ocean Forecasting

Aims of the country profiles:

- 1. Activities of institutes/agencies/organisations dealing with the monitoring, assessment and forecasting of the state of the ocean and coastal areas;**
- 2. The national structure for the support and conduction of marine monitoring and research activities;**
- 3. The key public administration/authorities responsible for marine affairs, and for environmental policy formulation and implementation;**
- 4. The relevance of the maritime sector in the economic activities of each country;**
- 5. Implications for MedGOOS in the optimal design and implementation of operational forecasting for maximal benefits to the coastal states.**

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Country Profiles on Pre-Operational Ocean Forecasting

The targeted Institutions are

- **Operational oceanography agencies**
- **Marine research institutions relevant to ocean monitoring**
- **Oceanographic data centres**
- **Potential users/recipients of operational marine services, such as coast guards, shipping companies, port authorities, environmental agencies, etc.**

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Country Profiles on Pre-Operational Ocean Forecasting

To be compiled by each of the MAMA responsible partners for their respective countries.

Provide the basis for an assessment on the needs and potentialities for operational oceanography in the region.

The country profile consists of three main sections

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Country Profile on Pre-Operational Ocean Forecasting

Section A – Profile of relevant institutions

- **Institute Name**
- **Institute Address and Contacts**
- **Type of Institution**
- **Mission**
- **Type of Activities**
- **Main Sectors/Fields of Activity**
- **Staff**
- **Ongoing Programmes**
- **Numerical Modelling and Forecasting**
- **Support services required for operational oceanography**

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Country Profile on Pre-Operational Ocean Forecasting

Section B – Profile on the National Organisational Structure in Marine Affairs and Research

Describes the national organisational and institutional arrangements for the conduction of marine affairs and research in each country with an emphasis on the activities relevant to ocean monitoring and forecasting

- List of Ministries/Environmental Authorities/Agencies & key entities with marine related responsibilities**
- List of Marine research organisations**
- List of co-ordinating bodies**
- Research and Monitoring Programmes**

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Country Profile on Pre-Operational Ocean Forecasting

Section C – Relevance of Marine Sector to the Economy

- **General description of the maritime economy of each country**
- **Identification of the relevance of the Sea as an economic resource**
- **Ranking key classes of maritime activities and identifying the associated trends**

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Inventory on marine monitoring activities in the Mediterranean

Inventory of what?

- **Ongoing and routine observations on same area of sea**
- **In the Mediterranean and relevant to MedGOOS**
- **Entries on the basis of applications (Part1) and observing programmes (Part2) rather than responsible institutes**
- **Separate entry form for each application (Part 1) and each monitoring activity (Part 2)**

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Inventory on marine monitoring activities in the Mediterranean

Methodology

- conducted by means of an electronic questionnaire
- conducted in two parts
- electronic entry form for each part
- support of pull-down multiple choice answers
- supported by hypertext help
- facilitate a streamlined compilation
- mandatory/non-mandatory fields

....conducted in each country by the responsible MAMA partner

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Inventory on marine monitoring activities in the Mediterranean

Structure

Part 1: National requirements for the monitoring of the marine environment

- main recipients
- key requested deliverables
- details on products and services provided,
- type of monitoring activities required to support the service
- main parameters measured
- type of analysis and assessments made to adapt measurements to user needs
- how deliver the service
- extended potential benefits?

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Inventory on marine monitoring activities in the Mediterranean

Structure -- (part 1 continued)

- B1. Type of requirement/s addressed by the application
- B2. Responsible body (*Product Recipient*) making the request
- B3. Description of added value product, application or service
- B4. Description of Networking capabilities for product provision
- B5. Brief profile of the observing programme supporting products provision
- B6. Organisation responsible for the observing programme
- B7. General information sources
- B8. Additional by-products

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Inventory on marine monitoring activities in the Mediterranean

Structure

Part 2: Description and practices of the marine monitoring activities

- technical details
- current practices
- details on platforms, instrumentation, sensors, telecom systems, data storage and exchange codes and formats, maintenance, etc.

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Inventory on marine monitoring activities in the Mediterranean

Structure -- (part 2 continued)

Description and practices of the marine monitoring activities

- **C1. Name of observing programme**
- **C2. Detailed description of the observing programme**
 - **C2.1 Overall zone of application**
 - **C2.2 Spatial configuration of observations**
 - **C2.3 Sea area**
 - **C2.4 Overall position information**
 - **C2.5 Position fixing of observations**
 - **C2.6 Programme Status**
 - **C2.7 Staff Deployment**

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Inventory on marine monitoring activities in the Mediterranean

Structure -- (part 2 continued)

- C2.8 Parameter information**
- C2.9 Equipment used**
- C2.10 Data management**
- C2.11 Quality assurance**
- C2.12 Data access**

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Inventory on marine monitoring activities in the Mediterranean

Structure -- (part 2 continued)

D - Maintenance practice

- **D1. Short term maintenance on sensors and equipment**
- **D2. Long term maintenance on buoys, mooring and associated equipment**

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Inventory on marine monitoring activities in the Mediterranean

How To Compile The Entry Form ...

- **To complete the questionnaire, first login to the website at the address: www.capemalta.net/medgoos/questionnaire**
- **Select the appropriate country flag to proceed.**
- **Fill in the details. (Can disconnect from internet)**
- **Reconnect and send the form.**

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Inventory on marine monitoring activities in the Mediterranean

....After sending the form :

- A screen with the completed information will appear on the screen. (This can be saved and printed)**
- Results are sent by e-mail to the MedGOOS Secretariat (Malta)**
- Copy of this email is sent to the MAMA designated partner in the respective country**
- This is also sent to the Email address entered in the questionnaire**

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

MAMA The First MedGOOS Project



National Requirements for the Monitoring of the Marine Environment

B 9

Annexes

Questionnaire II

B 9.1.2 -- Required

B 9.1.3 -- Potential

B 9.1.4 -- Benefits :

C 1.1 - Sensors / Equipment Monitored

Sensor Type	Maintenance Frequency	Maintenance Need	Collection Method
	1 Month less	Collection	
	1 Month less	Collection	
	1 Month less	Collection	
	1 Month less	Collection	
	1 Month less	Collection	

C 1.2 - Mean Needed

C 1.3 - Duration of Observations

C 1.4 - Number of Persons Needed

C 1.5 - Type of Operations

D 2 - Long Term Maintenance on Ships, Mooring and Associated Equipment (Level 1 Maintenance)

D 2.1 - List of Operations

List of Operations	Frequency of Operations
	month
	month
	month
	month
	month

D 2.2 - Description Tools

D 2.3 - Threshold of Access

D 2.4 - Mode of Access

D 2.5 - Mode of Access

[Go to top of section](#)

ducts, Applications and Services

Reset

Submit

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Inventory on marine monitoring activities in the Mediterranean

**You can have a look at the electronic entry form of the questionnaire by
linking to**

www.ifremer.fr/mama/workpackages/wp1/wp1_management.htm

or

www.capemalta.net/medgoos/questionnaire

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WHY?

- **Identify gaps and capacity building needs**
- **identify existing infrastructure/expertise/activities/capacities that can provide building blocks to the initial observing system**
- **design the ocean monitoring and forecasting system that addresses the needs of the region**
- **target the niche for operational oceanography**

MAMA WP1

WHAT DELIVERABLES?

- **Regional report on the current capabilities in pre-operational ocean forecasting in the Mediterranean**
- **Baseline info for the design of the initial observing system (WP2)**
- **Compile info for the Medir-OP web-based directory/database (WP6)**
- **Country profiles as a framework for NAW Meetings**
- **Forward look to how individual countries can benefit from operational oceanography**
- **Target how individual countries can benefit from future plans to implement ocean forecasting in the region**