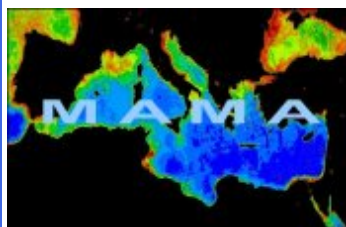


Mediterranean network to  
Assess and upgrade the  
Monitoring and forecasting  
Activity in the region

# MAMA

## The First MedGOOS Project



### Inventory on marine monitoring activities in the Mediterranean



in cooperation with



**EDIOS** - The European Directory of the Initial  
Ocean-observing System




Questionnaire prepared by the MedGOOS Secretariat, IOI-Malta Operational Centre, University of Malta

Funded under the EC Programme, Environment and Sustainable Development, 6th Framework Programme






## Metadata Input Form -Part 2

General note on questionnaire compilation - In most sections it is possible to enter more than one selection. Make your choice by using the check boxes where available. In cases where only one answer is necessary this is either stated specifically or indicated in the help document. For free-format fields please enter answers either on separate lines or separately by a semicolon ';'. Free-format fields have fixed lengths and do not allow entries longer than the maximum number of allowed characters.

You can access help and information on how to fill in particular fields by clicking on the icon . This opens a window with the required information. Please note that this window should be closed before you can access the help document again for another field.

## A - Entry Form Signature

	Entry Identifier :	/	
	Compiled by :		
	Institute :		
	Street Address :		
	Zip Code :		
	Town/City :		
	Country :		
	Telephone	(       ) -	
	Fax	(       ) -	
	Email Address :		
	Compilation Date :		
	Currency Date :		

# C - Description and practices of the marine monitoring activities

## C 1 -- Name of observing programme

(Use same name if already mentioned in part 1- section B5.1)

Brief Description of the Observing Programme

## C 2 -- Detailed description of the observing programme

### C 2.1 -- Overall zone of application



Air

Air-sea interface

Coastal seas

Estuaries

Seabed

Water surface

Water column/midwater

Other :

### C 2.2 -- Spatial configuration of observations



#### C 2.2.1 -- Type

Fixed points *(tick if applicable)*

Continuous transect *(tick if applicable)*

Overall number of stations :

Overall number of tracks:

#### C 2.2.2 -- Details

Vertical profile

Eulerian

Lagrangian

Random

Regular

Other :

### C 2.3 -- Sea area (according to Mediterranean regions - [Annex 2](#))

C 2.4 -- Overall position information 	
Latitude range :	Point A: . - Point B: .
Longitude range :	Point A: . - Point B: .
Measurements depth ( in Metres ):	Min : Max :
Sea floor depth ( in Metres ):	Min : Max :
C 2.5 -- Position fixing of observations	
	
C 2.5.1 -- Geographic frame of reference (e.g. WGS84)	
C 2.5.2 -- Coordinate system	
C 2.5.3 -- Reference level for depths	
C 2.6 -- Programme Status 	
<div> <div>Start Date :</div> <div>End Date :</div> </div>	
	<div> <div>Active measurement programme</div> <div> Planned end :  Date of end (if known)  Planned restart:  Date of restart (if known) </div> </div>
	<div> <div>Non-active measurement programme</div> <div> Planned repeat  Date (if known) </div> </div>



## C 2.8 -- Parameter information *(choose from list in Annex I)*





## C 2.9 -- Equipment used *(This section is repeated for each different platform)*

### C 2.9.1 -- Platform :

Number :

Type/Name :

(Choose from list in [annex 5](#))

Description :

Supplier :

Mooring System (If applicable)



### C 2.9.2 -- Instruments :

Quantity	Type/Name	Description	Supplier
	(Choose from list in <a href="#">annex 6</a> )		



### C 2.9.3 -- Sensors :

Quantity	Supplier	Description	Precision & Resolution



### C 2.9.4 -- Energy Supply :

### C 2.9.5 -- Data Transmission:

Method	Delayed Mode		
	Real-time	Number of Data Transmission Channels	
		Maximum Data Rate	
		Can Transmit Images?	



### C 2.9.6-- Telecoms Systems, Hardware and Software :



Operational Data  
Transmission System :

From underwater to a surface buoy,  
vessel, or shore

From a surface buoy or  
ship to shore

From a surface buoy or ship to  
satellite

Transmission Medium

used :



Radio Link  
Digital acoustic telemetry  
Government network

Fibre-optic cable  
Commercial  
International network

Electrical cable  
Academic network  
Dedicated or proprietary network



## C 2.9 -- Equipment used *(This section is repeated for each different platform)*

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(Choose from list in [annex 5](#))

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## C 2.10 -- Data management



### C 2.10.1 -- Data storage codes and formats

GF3  
NetCDF  
ECMWF

GTS  
MEDATLAS  
EC-DGXII-MAST

GTSP  
JGOFS  
WMO\_CMM

X.25  
SQL  
Other



### C 2.10.2 -- Data exchange codes and formats

GF3  
NetCDF  
ECMWF

GTS  
MEDATLAS  
EC-DGXII-MAST

GTSP  
JGOFS  
WMO\_CMM

X.25  
SQL  
Other

## C 2.11 -- Quality Assurance

Is there a Quality Management System (QMS) followed by the responsible organisation for the observations?

If NO go to C2.11.1 and proceed with the rest of this section.

If YES, is the institution accredited or certified?

If YES give the Accreditation scheme (e.g. ISO9000, QUASIMEME, other))



### C 2.11.1 -- Quality control systems

Automatic quality control algorithms  
Information on quality control is available to system users

Suspect data deleted from processing and from data products  
Suspected data are flagged and left in the data system



### C 2.11.2 -- Data pre-processing software

Software provided by software supplier

In house software

IODE tool box

Other



### C 2.11.3 -- Quality assurance protocols

Details on methodologies used for quality control

*Is the Medatlas Q.C. practice followed ?*

*(if "NO" list the Q.C. checks applied)*

Elimination of spikes

Range check

Consistency checks

Geographical position

Smoothing

Comparison with climatology

Data

Other:



### C 2.11.4 -- Special Q.C. for automatic recording stations

Frequency of comparative in-situ measurements

Variable	Frequency

Instant data validation based on neighbouring stations:



### C 2.11.5 -- Laboratory practices

Methodologies used for laboratory analysis (give references on technical manuals (e.g. IAEA-MEL standard methods in [annex 3](#))



## C 2.12 -- Data access



### C 2.12.1 -- Delivery to users

Real-time		
Near Real-time		
Delayed Mode	CD FTP WWW	Diskette Paper
Raw		
Processed		
Added Value Product		
Service		



### C 2.12.2 -- Search & Retrieval Options



### C 2.12.3 -- Data Availability



### C 2.12.4 -- Web address of archived data



### C 2.12.5 -- Web address of real time data

[Go to top of section](#)

# D - Maintenance Practice

## D 1 -- Short term maintenance on sensors and equipment *(level 1 maintenance)*

### D 1.1 - Sensors / Equipment Maintained

Sensor /Equipment type	Maintenance	Maintenance Frequency	Calibration Method	Place of Calibration
			(if applicable)	
	Calibration			
	Fouling			
	Power Supply			
	System Checks			
	Repairs			
	Other			

Sensor /Equipment type	Maintenance	Maintenance Frequency	Calibration Method	Place of Calibration
			(if applicable)	
	Calibration			
	Fouling			
	Power Supply			
	System Checks			
	Repairs			
	Other			

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	Other			

Sensor /Equipment type	Maintenance	Maintenance Frequency	Calibration Method	Place of Calibration
			(if applicable)	
	Calibration			
	Fouling			
	Power Supply			
	System Checks			
	Repairs			
	Other			

#### D 1.2 - Means Needed

#### D 1.3 - Duration of Operations

days

#### D 1.4 - Number of Persons Involved

#### D 1.5 - Type of Operations

## D 2 -- Long Term Maintenance on Buoys, Mooring and Associated Equipment *(Level 2 Maintenance)*

### D 2.1 - List of Operations :

List of Operations	Frequency of Operations
	months
	months
	months
	months
	months

### D 2.2 - Means Needed

### D 2.3 - Duration of Operations

days

### D 2.4 - Number of Persons Involved