

MedGOOS

The Mediterranean Global Ocean Observing System



climate change

health of the ocean

services and products

mitigating marine hazards

operational forecasting system



MAMA

General Description of the Project Activities

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Vth FP - Programme EESD

Support to Research Infrastructure - Marine Research Facilities



Presentation

WP structure

General description of WPs

Description of main deliverables

Schedule of main events and activities

Outline of commitments



MAMA workpackages

1. MAMA-NOW

2. MAMA-OBS

3. MAMA-CAP/BUILD

4. MAMA-MODEL

5. MAMA-NET

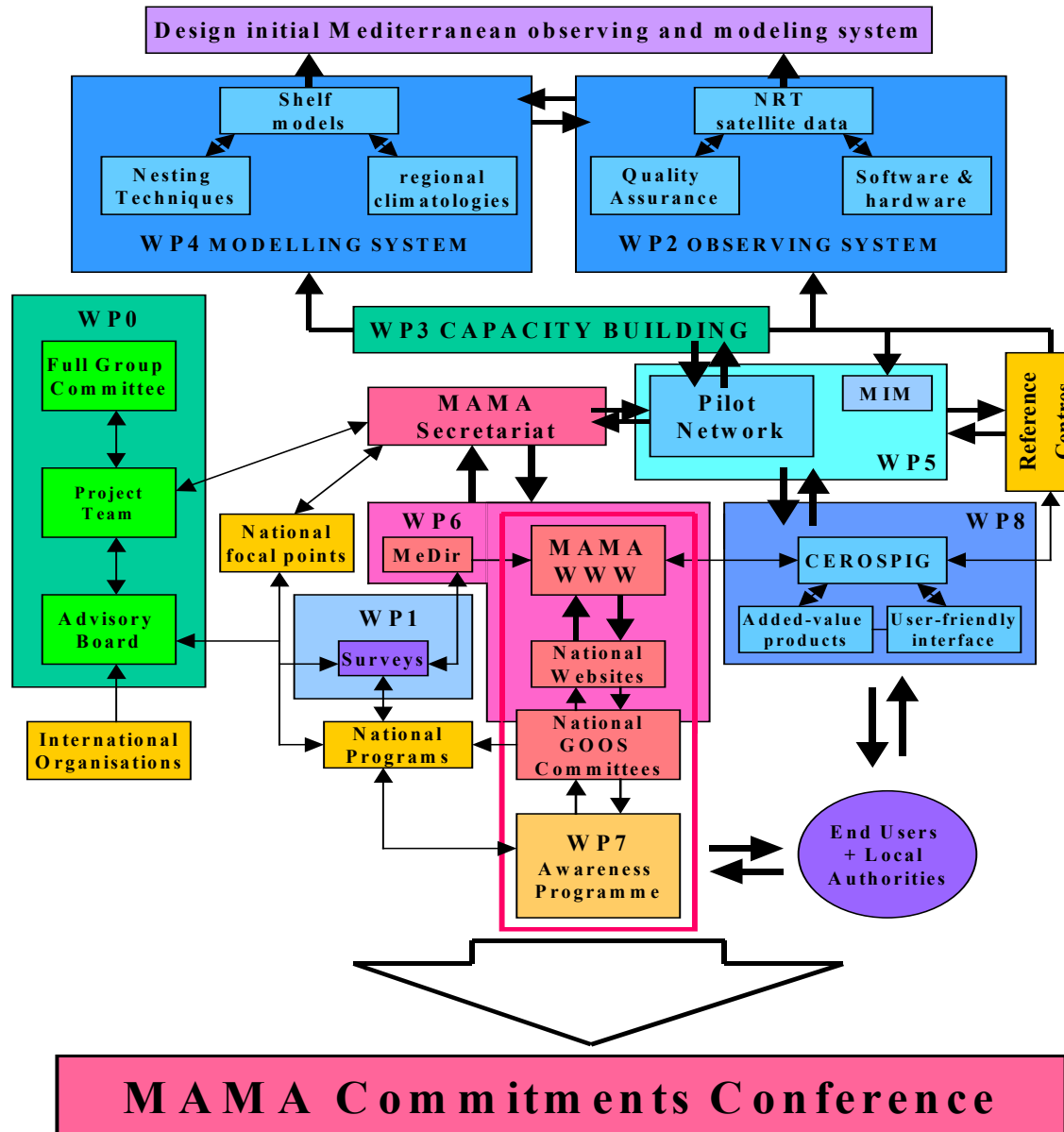
6. MAMA-WWW

7. MAMA-AWARE

8. MAMA- DISS&PROD



Graphical Presentation





Main Project Meetings

MONTH	MEETINGS + EXCHANGE	REMARKS	CONVENOR
0	Kick-off (Plenary); FG committee; PT, AB, WP meetings, CBB.	All partners	IOC (Paris)
3 – 24	Awareness national meetings (WP7)	National entities + invited experts	Members
5	PT, AB, WP meetings		IMC (Oristano)
5 – 30	Visiting scientists Programme (WP3; WP4)		
13	F.G. Committee; PT, AB, WP meetings (WP2 with experts); CBB, CEROSPIG Workshop, MDIM Workshop, ETC of the EEA	All partners + invited experts + others	ANPA (Rome)



Main Project Meetings

MONTH	MEETINGS + EXCHANGE	REMARKS	CONVENOR
18	PT, AB, WP meetings		IMC (Oristano)
25	FG Committee, PT, AB, WP meetings, WP2/4 Expert Meeting	All partners + invited experts	IOI-MOC (Malta)
30	PT, AB.		IMC (Oristano)
35	FG Committee Final Meeting +MAMA Commitments Conference	All partners + others	IOI-MOC (Malta)



WP1 Objectives

Stocktaking and identification of the situation in the Mediterranean to monitor, assess and forecast the state of coastal waters with regard to:

- ‡ existing national/international initiatives.**
- ‡ present capabilities in terms of research institutions.**
- ‡ availability of technological infrastructures and equipment, human resources and funding capability.**



WP 1 Structure

WORK PACKAGE 1 NOW

**Task 1.1
Co-ordination with
International Organisations**

**Task 1.2
Surveys**

**Subtask 1.2.1
National consultations on
marine affairs**

**Subtask 1.2.2
Inventorying on ocean
forecasting**



Deliverables WP 1

No	Deliverable title	Month
D5	Prioritisation of the capacity building actions according to gaps and users' needs for ocean and coastal marine services in the Mediterranean	9
D4	Report of the current capabilities in pre-operational ocean forecasting in the Mediterranean	9



WP 1 Milestones

© Guidelines and documents for surveys

© Collation of survey results in an information pack

© Dissemination of results on WWW



WP2 Objectives

- 📌 Scientific assessment (adequacy) of existing ocean observing systems in the Mediterranean at regional**
- 📌 Design scientifically proven and cost effective real time coastal data acquisition systems**
- 📌 Integration of coastal to the basin scale system**



WP 2 Structure

WORK PACKAGE 2 OBSERVATIONS

Task 2.1

Evaluation of existing coastal ocean observing platforms

Task 2.2

Evaluation of basic data pre-processing procedures

Task 2.3

Evaluation of the quality assurance protocols

Task 2.4

Design of cost-effective operational basin/coastal monitoring systems

Task 2.5

Evaluation of the NRT satellite data

Task 2.6

Evaluation of biological benthic tools

Subtask 2.4.1

Assessment of monitoring activities and design of an initial observation system

Subtask 2.4.2

Expert meetings on ocean observation systems



Deliverables WP 2

No	Deliverable title	Month
D7	Design of common protocols for data collection/transmission/quality control	12
D13	Adaptation of the existing Observing System Reference Sites Protocols to D7	18
D18	Plan for networking satellite data in NRT	24
D19	Links of satellite data centres to MAMA WWW	24
D22	Design of an integrated cost-effective basin to local scale initial observing system	30
D27	Survey on data related to benthic faunal condition	30



WP 2 Milestones

- ◎ Expert meeting on hardware/software and data processing/quality control requirements for an operational observing system**
- ◎ Expert meeting on the design of an integrated coastal and ocean forecasting system**
- ◎ Links of satellite data centres with MAMA WWW**



WP3 Objectives

- 📌 Develop the basic scientific and technical skills required to participate in the GOOS.**
- 📌 Propose a scheme of visiting S&T personnel of MAMA members at specialised centres in the MAMA consortium, on a equal opportunity basis. All Mediterranean countries will benefit.**



WP 3 Structure

WORK PACKAGE 3 CAPACITY BUILDING

**Task 3.1
Capacity Building
Board**

**Task 3.2
Visitor scientist scheme
logistics and preparation**



Deliverables WP 3

No	Deliverable title	Month
D21	Transfer of expertise through a Visiting scientists scheme to specialised Centres	30



WP 3 Milestones

- © Preparation of guidelines for implementing the visitor scientist scheme**
- © Preparation of didactic material and schedules of work by the receiving centres**
- © Completion of visits and preparation of reports by recipients**

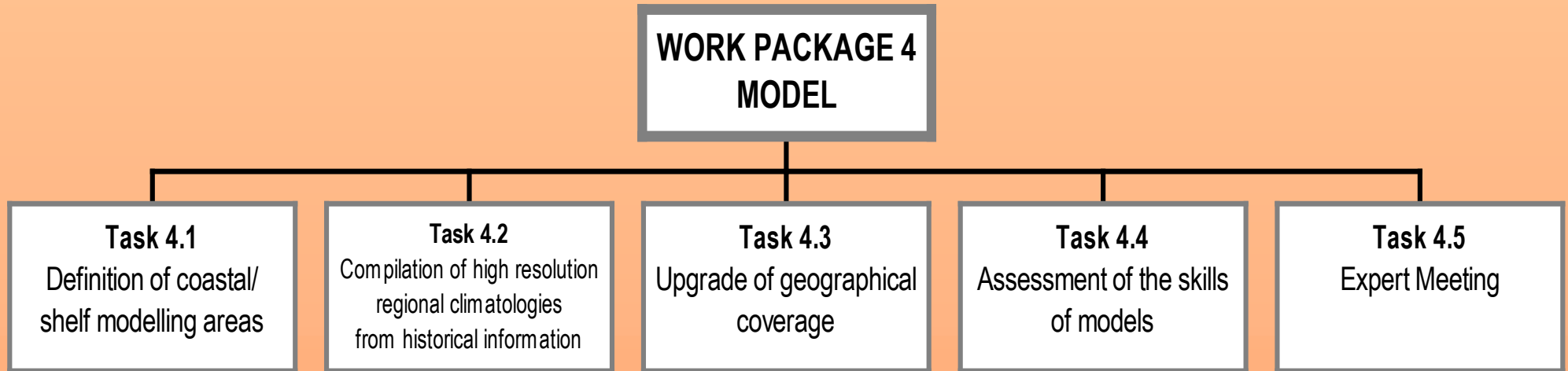


WP4 Objectives

- ‡ Address the need for numerical modelling capabilities in the design of local forecasting systems.**
- ‡ Capacitate in state-of-the-art numerical modelling and assimilation methods for nowcasting.**



WP 4 Structure





Deliverables WP 4

No	Deliverable title	Month
D12	Definition of state-of-the-art nesting techniques	18
D23	Design of a prototype regional/coastal modelling and forecasting system	30
D25	High resolution multidisciplinary data sets	30
D28	Coastal/shelf 3D hydrodynamic and 1D ecological model implementations	32
D31	Numerical simulation results on MAMA WWW	34



WP 4 Milestones

- © Report on nesting techniques**
- © Shelf model implementations and validation**
- © Preparation of high resolution climatologies**
- © Expert meeting on the design of any integrated coastal and ocean forecasting system**
- © Dissemination of results on the MAMA WWW**

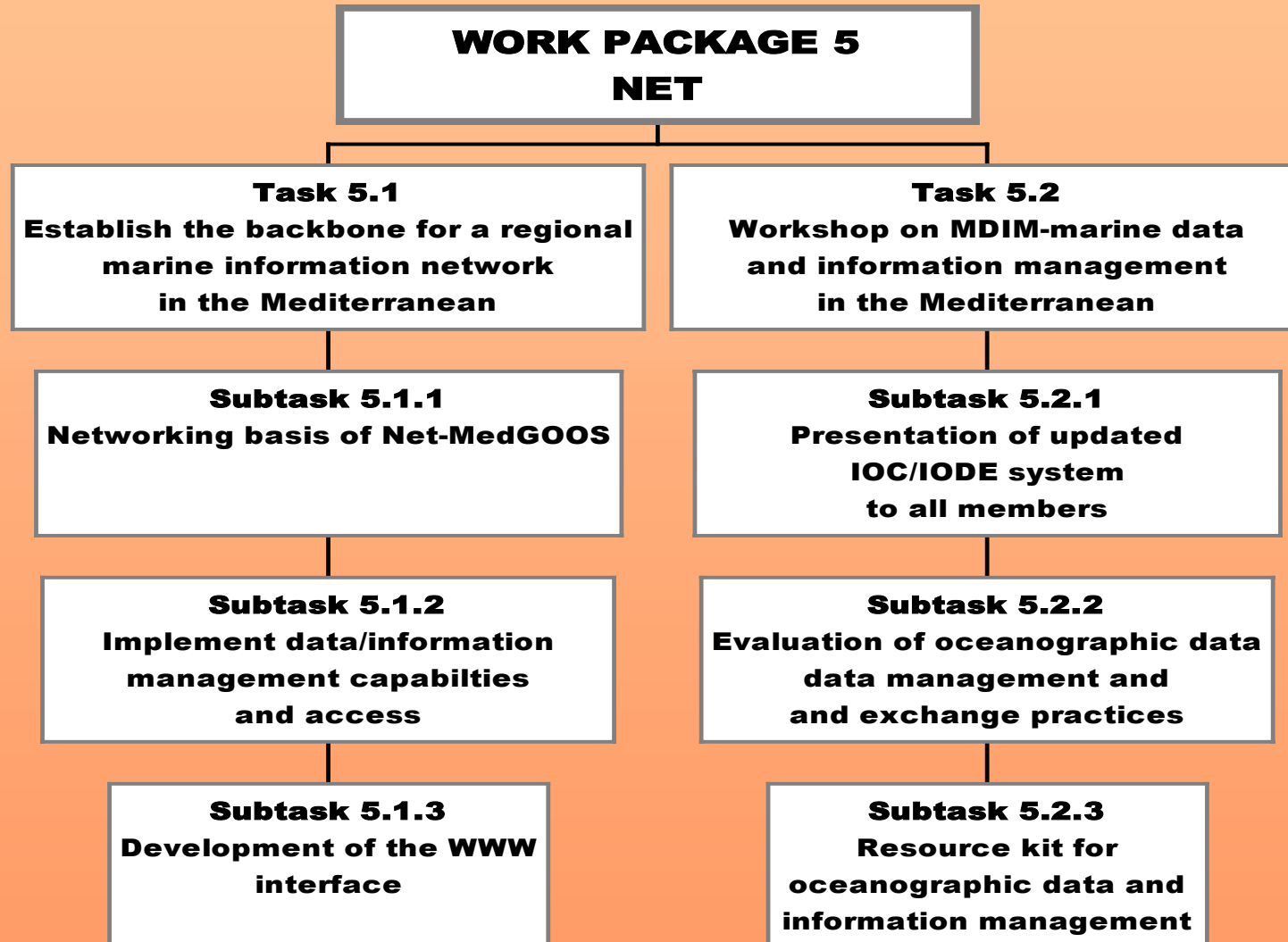


WP5 Objectives

- ↳ Test a prototype data and information management system (Net-MedGOOS) to support an end-to-end process: from the data/meta-data flow, merging between operational agencies, through the processing, integration and enhancement stages, up to the viewing and exploitation by users.**
- ↳ All MAMA MB will be empowered with know-how and tools for the management of operational data and information, and for access and use of the MedGOOS virtual centre and other on-line related services.**



WP 5 Structure





Deliverables WP 5

No	Deliverable title	Month
D6	Outputs, products in form of resource kit and recommendations from workshop on marine information management	11
D8	Develop the networking basis for NET-MAMA	12
D30	Implementation and testing of the pilot NET-MAMA	32



WP 5 Milestones

- © Establishment of pilot NET-MAMA**
- © Technical reports on NET-MAMA**
- © Recommendations for future extension of NET-MAMA**
- © Access to NET-MAMA by users**
- © Workshop report on marine data and information management**



WP6 Objectives

- ✦ Establish the MAMA WWW.**
- ✦ Establish a web-based directory (MeDir) on operational ocean forecasting in the Mediterranean.**



WP 6 Structure

WORK PACKAGE 6 WWW

Task 6.1

Establish the MAMA WWW

Task 6.2

**Establish a web-based directory (MeDir)
on operational observing and forecasting
activities in the Mediterranean**



Deliverables WP 6

No	Deliverable title	Month
D3	Establish main MAMA WWW	8
D9	Establish the MAMA WWW internet links to national marine institutes and international marine organisations	12
D15	MeDir on WWW	21



WP 6 Milestones

© Launching of the MAMA WWW

© Links to national websites

© Launching of MeDir on MAMA WWW

© Dissemination of results on WWW

CapeMalta Homepage
IOI-MOC
MedGOOS
Marine Affairs Directory
Oceanographic Database
PO-Unit
Publications
Focus & Events
Glossary
Feedback
FAQs



capemalta.org

[What is MedGOOS](#)

[Regional Co-operation](#)

[Objectives](#)

[Benefits of MedGOOS](#)

[Milestones](#)

[Members](#)

[MedGOOS Projects/Initiatives](#)

[Important Documents](#)

[Important Links](#)

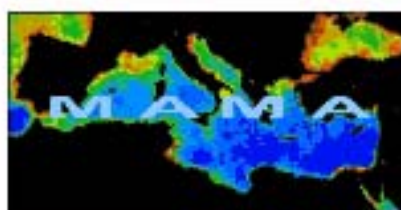
[What's on in the Med.](#)

[CONTACTS](#)



MedGOOS Projects / Initiatives

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



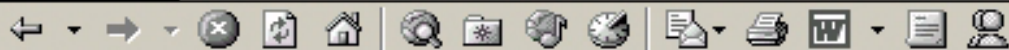
[click here for more info](#)

MAMA is a project involving major institutions from all the Mediterranean countries and funded by the Vth Framework Programme of the European Union. MAMA focuses on the trans-national pooling of scientific and technological resources through the sharing of experiences and the transfer of expertise, to bring capacities at comparable levels, and provide an integrated effort towards the planning and design of the initial ocean observing and forecasting system in the Mediterranean. The focus will be on the sustainable use of the coastal zone, on the interaction with end-users and raising awareness on the benefits of ocean forecasting with dissemination of results and products.

View the working documents:

[PART B](#) and [PART C](#) of the MAMA proposal submitted to FPV;

Description of the Work to be conducted in MAMA



MFS - Mediterranean Forecasting System Pilot Project

- [View the ocean forecast](#)



[MEDAR/MEDATLAS](#) - Mediterranean Data Archaeology and Rescue



[Secretariat to the Barcelona Convention](#)
United Nations Environment Programme
UNEP Mediterranean Action Plan (MAP)

[UNEP](#) - Mediterranean Action

Plan



[IOC](#) - Intergovernmental Oceanographic Commission



**Mediterranean Directory of
Marine Scientists and
Professionals**

**ioc2.unesco.org/medar
A MedGOOS initiative**

Welcome to MEDIR - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address <http://ioc2.unesco.org/medir/> Go Links

Mediterranean Directory of Marine Professionals (MEDIR)



More info

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IOC website

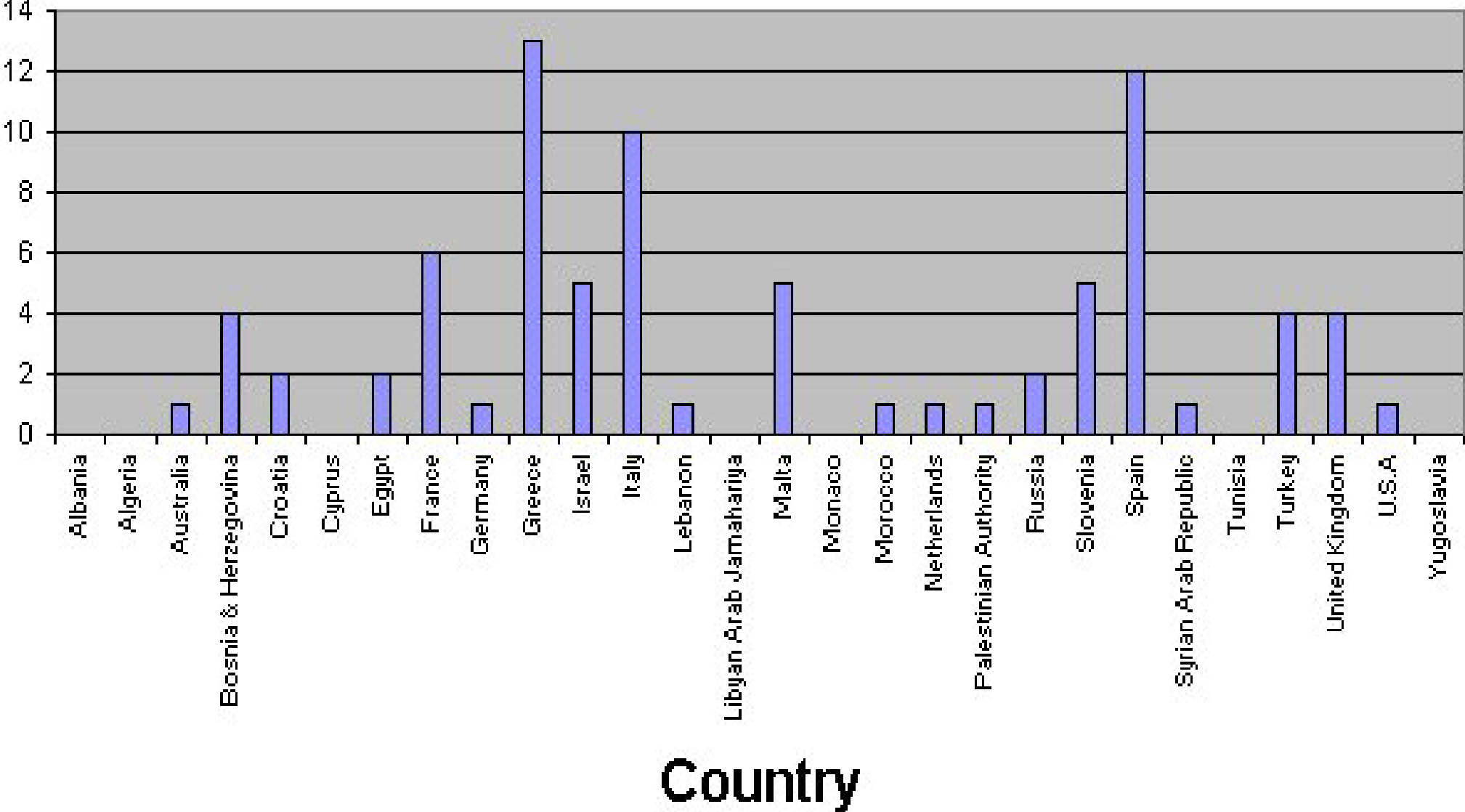


The Mediterranean Directory of Marine Scientists and Professionals, MeDir, is a database product developed on similar lines to [GLODIP](#) under the auspices of the [Intergovernmental Oceanographic Commission of UNESCO \(IOC\)](#) and with the support of MedGOOS (the Global Ocean Observing System for the Mediterranean). This free and searchable database aims to bring together scientists and professionals working in the Mediterranean region with the aim of establishing a basin wide network on marine research and related issues.

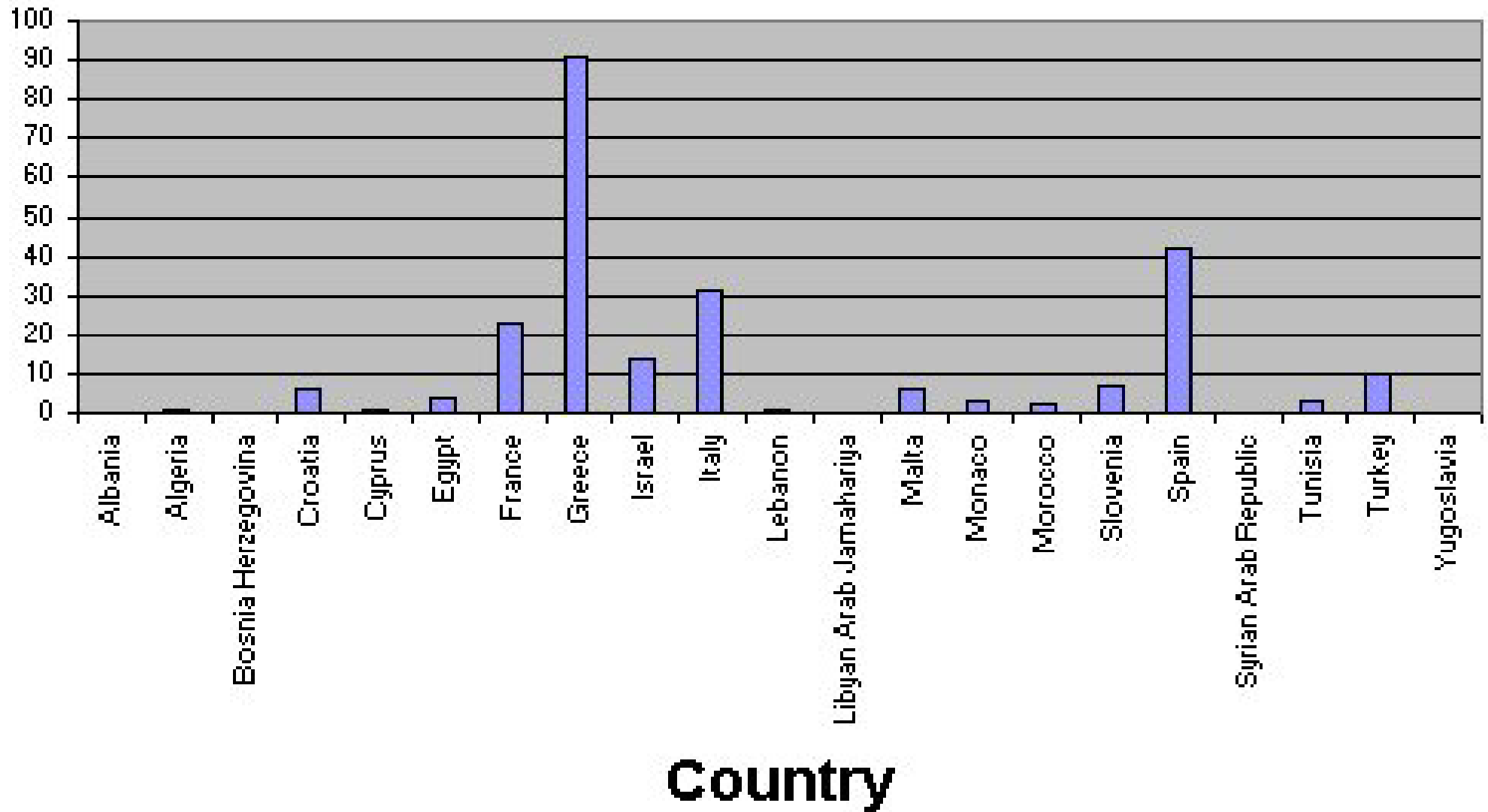
The realization of a regional approach towards dealing with marine related issues in the Mediterranean is of concern to all riparian countries. The integration of efforts, knowledge, and resources across the whole

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Entries in MeDir



Mediterranean entries in GLODIR



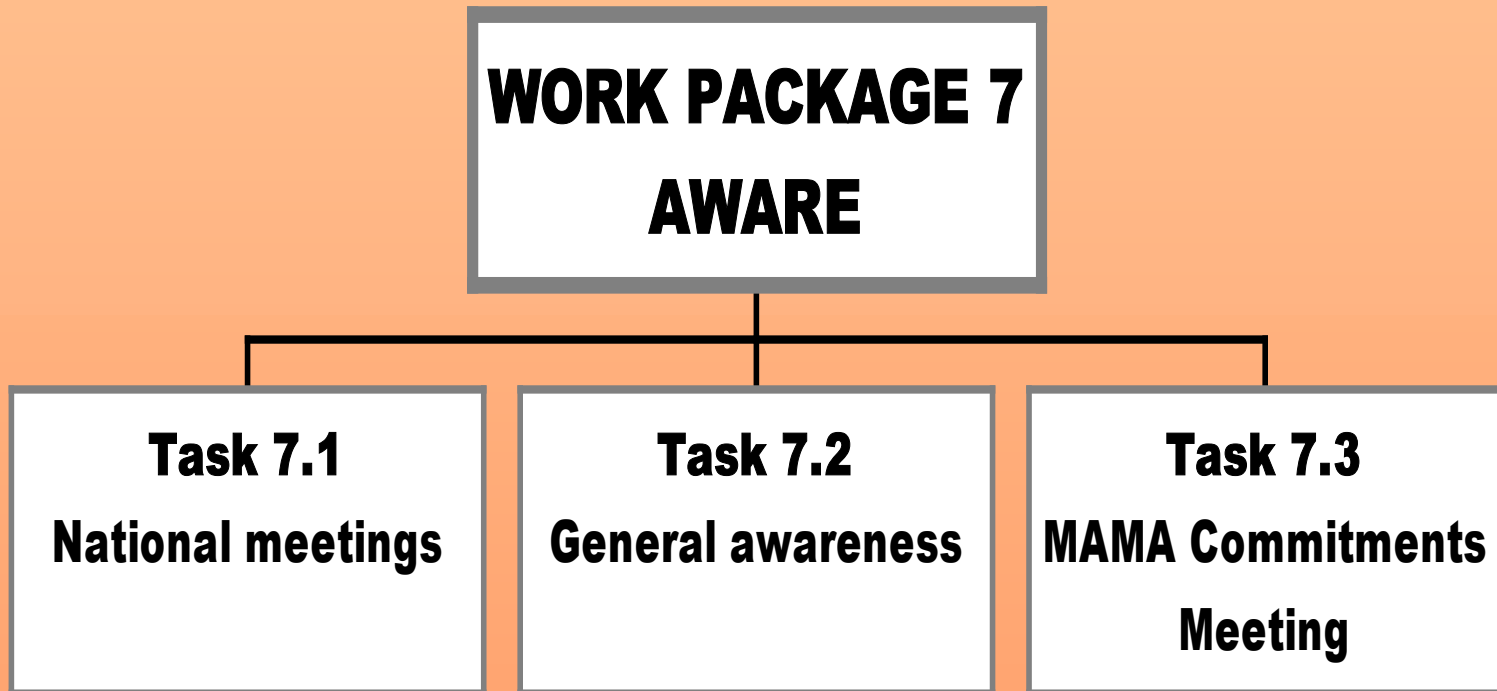


WP7 Objectives

- ↳ Conduct an awareness campaign addressing a full hierarchy of stakeholders .**
- ↳ Promote the awareness on and the understanding of the benefits of ocean forecasting in the Mediterranean.**
- ↳ Build momentum towards societal support and seek commitments from governments for ocean monitoring and forecasting.**



WP 7 Structure





Deliverables WP 7

No	Deliverable title	Month
D17	Proceedings and results of National Awareness Meetings	24
D32	Declaration from the MAMA Commitments Conference	35



WP 7 Milestones

© National meetings

© Reports of national meetings

© MAMA Commitments Meeting

© Declaration of consensus and commitment to the full implementation of the Mediterranean ocean forecasting system

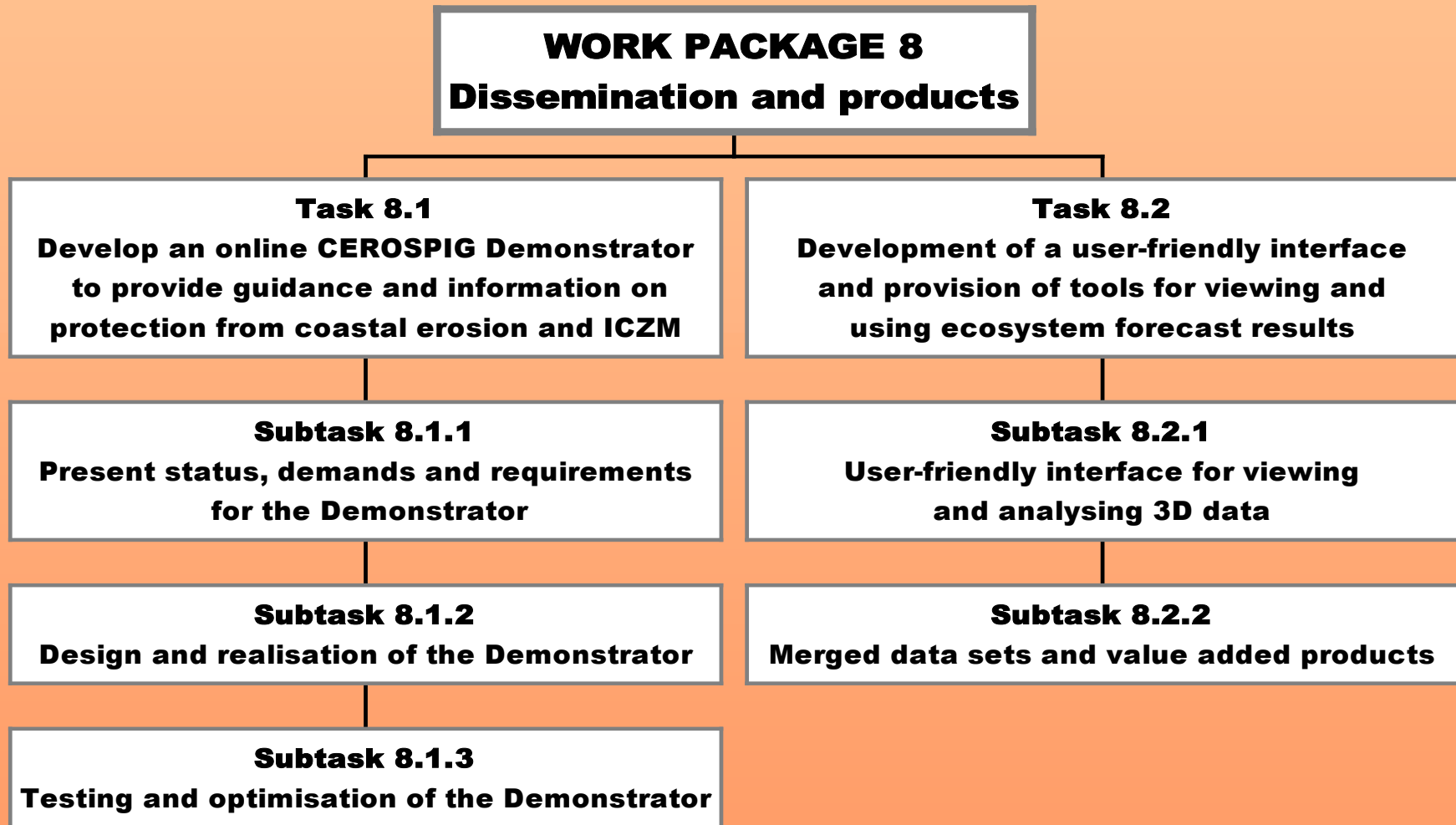


WP8 Objectives

- 📌 Establish open and constructive links with the end-user community to identify their needs and priorities.**
- 📌 Prove the usefulness of MedGOOS through demonstration tools and products.**



WP 8 Structure





Deliverables WP 8

No	Deliverable title	Month
D 10	Specifications, requirements and recommendations for CEROSPIG	13
D 16	Development of CEROSPIG Demonstrator (Prototype)	24
D 24	Release of user-friendly interface to extract added-value information from forecasts	30
D 26	Launching of CEROSPIG Demonstrator (Final version)	30
D 29	Added-value product for ICZM from merged data sets	32
D 33	Operational experience and recommendations on CEROSPIG based on pre-operational phase	35



WP 8 Milestones

- © **Launching of CEROSPIG on WWW**
- © **Technical reports on CEROSPIG**
- © **Recommendations for future applications on the basis of CEROSPIG experience**
- © **Launching of graphical interface for viewing and analysing 3D fields (including forecasts)**
- © **Publishing on MAMA WWW of value added products from merged data sets**