



WP4

HARMONIZING OPERATION AND MAINTENANCE METHODS

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OBJECTIVES:



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Based on the experience of infrastructure operators and relevant regional activities, this WP will:

- gather elements of best practice in conducting operations and maintaining coastal observatories
- ✓ identify the successes in terms of systems autonomy and reliability
- propose common procedures to be followed by all operators.

Therefore, the overall objective of WP4 is to increase the performance and efficiency of the JERICO observatories and improve the overall quality of delivered products.

TASK 4.1 CALIBRATION



- Harmonization of calibration practices through documentation and assessment of existing calibration methodologies
- Sharing of calibration facilities
- Best practices, dissemination of know-how

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TASK 4.2 BIOFOULING



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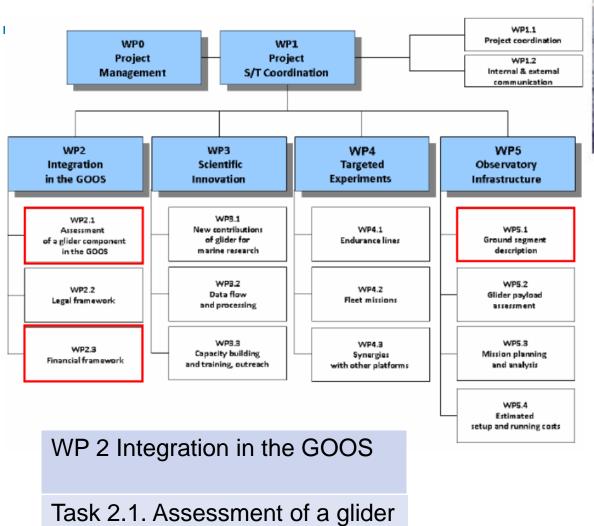
- To describe all different methods used across the network with reference to the cost (implementation, maintenance) and adaptability (different sensors and areas)
- To share best practices and methodologies
- To evaluate new methods used by the community external to JERICO

TASK 4.3 END-TO-END QA

- State College
- to describe best practices in all phases of the system (pre-deployment test, maintenance, calibration etc)
- to adopt common methodologies and protocols
- move towards the harmonisation of equipment which will help in reducing maintenance and calibration costs. For this inter calibration tests and in-situ validation will be organised.

GROOM

Gliders for Research, Ocean Observation and Management



component in the GOOS



GROOM WP.2 Integration in the GOOS

HCMR contribution in Task 2.1: Assessment of a glider component in the GOOS



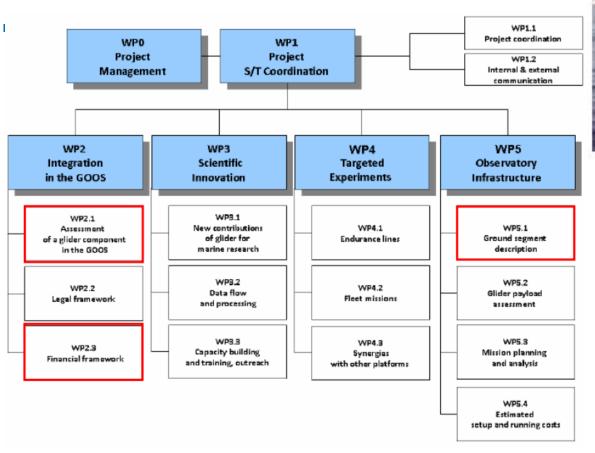
Link with GMES - EuroGOOS ROOSes activities



- Develop an overall concept for the management of Gliders observation data taking into consideration data management systems which are developing within GMES and JCOMM
- Identify, in consultation with the EuroGOOS Task Teams the parameters which can be made available either in real-time or in delayed mode
- Propose the most effective ways to make Glider data readily available for operational purposes in a sustained matter

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Task 3.2. Data flow and processing



GROOM WP.3 Scientific Innovation

HCMR contribution in Task 3.2: Data flow and processing

Link with task 2.1

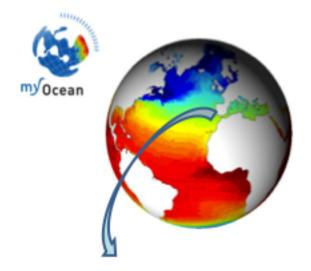
Data streaming and processing

Real time quality control procedures

Delayed mode data assessment

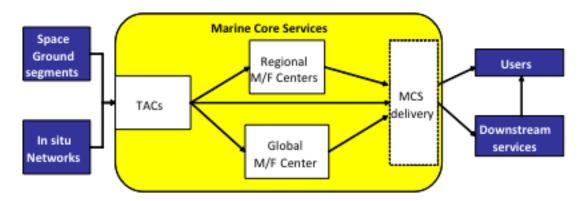
Integrate into ROOSES (MyOcean protocols - Discussion within EMODNet)

In MyOcean project the effort to integrate the data streams in Europe from the global to the regional scales is intensified in order to assemble high quality data sets, provide the "best" in-situ products for data assimilation and define quality control procedures and validation processes.



deliver regular and systematic reference information (processed data, elaborated products) on the state of the oceans and regional seas:

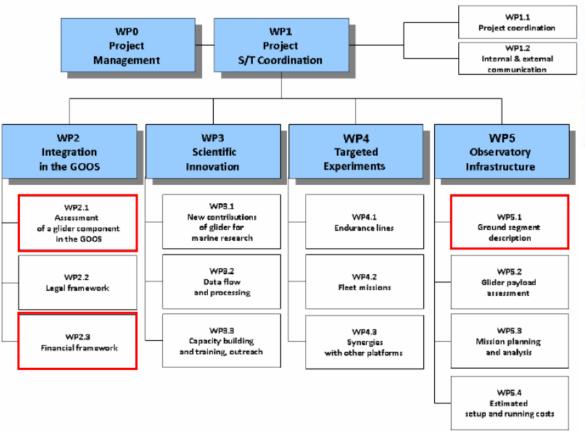
The Thematic Assembly Centers : an essential component of the MCS



- TACs will feed the global and regional components of the MCS in observation products for space and in situ data.
- From observation systems to the service centres. Specific requirements from modelling and data assimilations centers as well as from users and downstream services.

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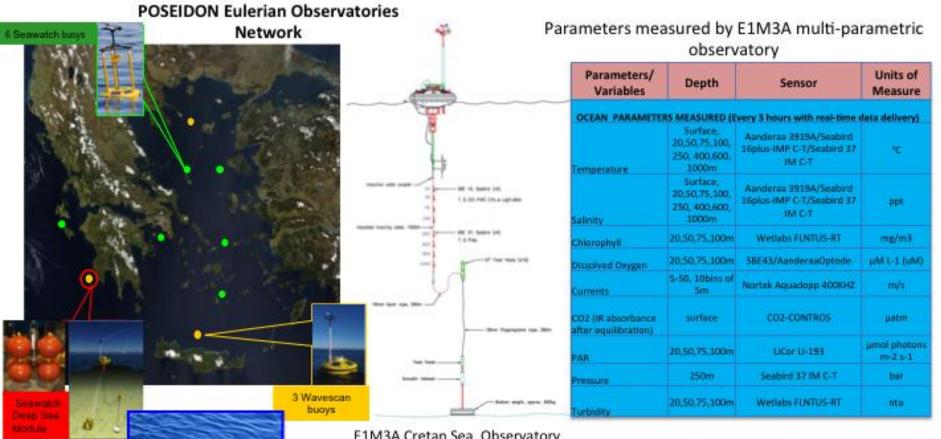


WP 4 Targeted Experiments

Task 4.3: Synergies with other platforms

GROOM WP.4 Targeted Experiments

HCMR contribution in Task 4.3: Synergies with other platforms



E1M3A Cretan Sea Observatory

- HCMR offers its POSEIDON moorings network and esp. the E1M3A site for studies of synergies between gliders and fixed point observatories
- Field trials of new sensors for gliders (e.g. CO2 also available at E1M3A)
- Test and analysis of glider/float/mooring missions for GROOM standards