JERICO

JOINT EUROPEAN RESEARCH INFRASTRUCTURE NETWORK FOR COASTAL OBSERVATORIES

Workshop on gliders

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EUROPEAN COASTAL CONTEXT

Directives and priorities

MFSD, INSPIRE

GMES

EOOS

Impacts of global change on coastal areas

European tools

FP7, Horizon 2020, JPI Ocean

CALL OCEAN 2013

OCEAN 2013.2 – Innovative multifunctional sensors for in-situ monitoring of marine environment and related maritime activities

There is an urgent need to improve the in-situ component of the ocean observing systems to achieve an appropriate and comprehensive understanding of the functioning of the marine environment at different geographic, temporal scales and the monitoring of marine and maritime activities to ensure their sustainable development. As commercially available sensors tend to be too large, expensive, and power-hungry for widespread use, reducing the cost for acquisition of data is a key priority in order to implement EU legislations such as the Marine Strategy Framework Directive (MSFD), the Common Fisheries Policy CFP), support international initiatives such as the Global Ocean Observing System (GOOS) and the Global Earth Observation System of System (GEOSS)

HOW TO CONTRIBUTE TO EUROPEAN OBSERVING SYSTEM

TO BE RECOGNIZED AS A REAL EUROPEAN INFRASTRUCTURE THAT MEANS A REAL NETWORK WITH REAL ADDED VALUE

TO DEFINE 2 OR 3 MAIN SCIENTIFIC OBJECTIVES WITH A STRONG ADDED VALUE FOR THE GLIDERS:

Biology (MFSD), river plume monitoring, satellite calibration, coastal operational oceanography,..

HOW TO CONTRIBUTE TO EUROPEAN OBSERVING SYSTEM

TO HAVE THE CAPACITY TO :

- *MONITOR PERMANENT OR PERIODIC TRANSEC LINES (single glider)*

- *TO MAINTAIN THE OPPORTUNITY TO PERFORM DEDICATED SCIENTIFIC MISSIONS (with a pack of gliders)*

HOW TO CONTRIBUTE TO EUROPEAN OBSERVING SYSTEM

TO VALORIZE THE COMPLEMENTARITY WITH OTHER OBSERVING SYSTEMS:

Eulerian (buoys, piles) and lagrangian (coastal profilers – not really operational yet)

HF Radar, Fishing net probes (Recopesca)

and a real complementarity with Ferrybox

Ferrybox for the sea surface monitoring

Glider for the water column …

HOW TO CONTRIBUTE TO EUROPEAN OBSERVING SYSTEM

TO EVALUATE THE IMPACT OF GLIDER DATA ON COASTAL MODELS

WP9 JERICO OSSE

North Adriatic sea (OGS - Rajesh Nair)

Bay of Biscay (Ifremer – Guillaume Charria)

North Sea (MUMM – Frederic Francken)

Baltic Sea (DMI – Jun She)

HOW TO CONTRIBUTE TO EUROPEAN OBSERVING SYSTEM

THE DATA MANAGEMENT IS STRATEGIC

MUST BE MERGED IN MAIN DATA MANAGEMENT NETWORKS AS

CORIOLIS, MyOcean/EUROGOOS

SEADATANET, EMODNET

OF COURSE DATA MUST BE FULLY QUALIFIED

HOW TO BE RECOGNIZED AS AN INTEGRATED INFRASTRUCTURE

TO HAVE A REAL COORDINATION, COMMON OBJECTIVES, COMMON METHODOLOGIES AND BEST PRACTICES, QUALITY ASSESSMENT PROCEDURES, EXCHANGE OF KNOW-HOW AND TOOLS, COMMON DATA MANAGEMENT …

TO KNOW THE REAL COSTS AND TO BECOME MORE EFFICIENT TOGETHER

TO CREATE AN EXCHANGE GROUP (OFEG)

HOW TO GO AHEAD

TO FOLLOW THE EXAMPLES OF SUCCESS STORIES LIKE ARGO & FERRYBOX COMMUNITIES

TO WORK CLOSELY WITH EUROGOOS

AND TO TAKE ADVANTAGES OF GROOM & JERICO PROJECTS TO HAVE A BETTER VISIBILITY IN EUROPE AND TO PREPARE THE FUTURE (from 2014/2015)