



JERICO

A

Joint

European

Research

Infrastructure network

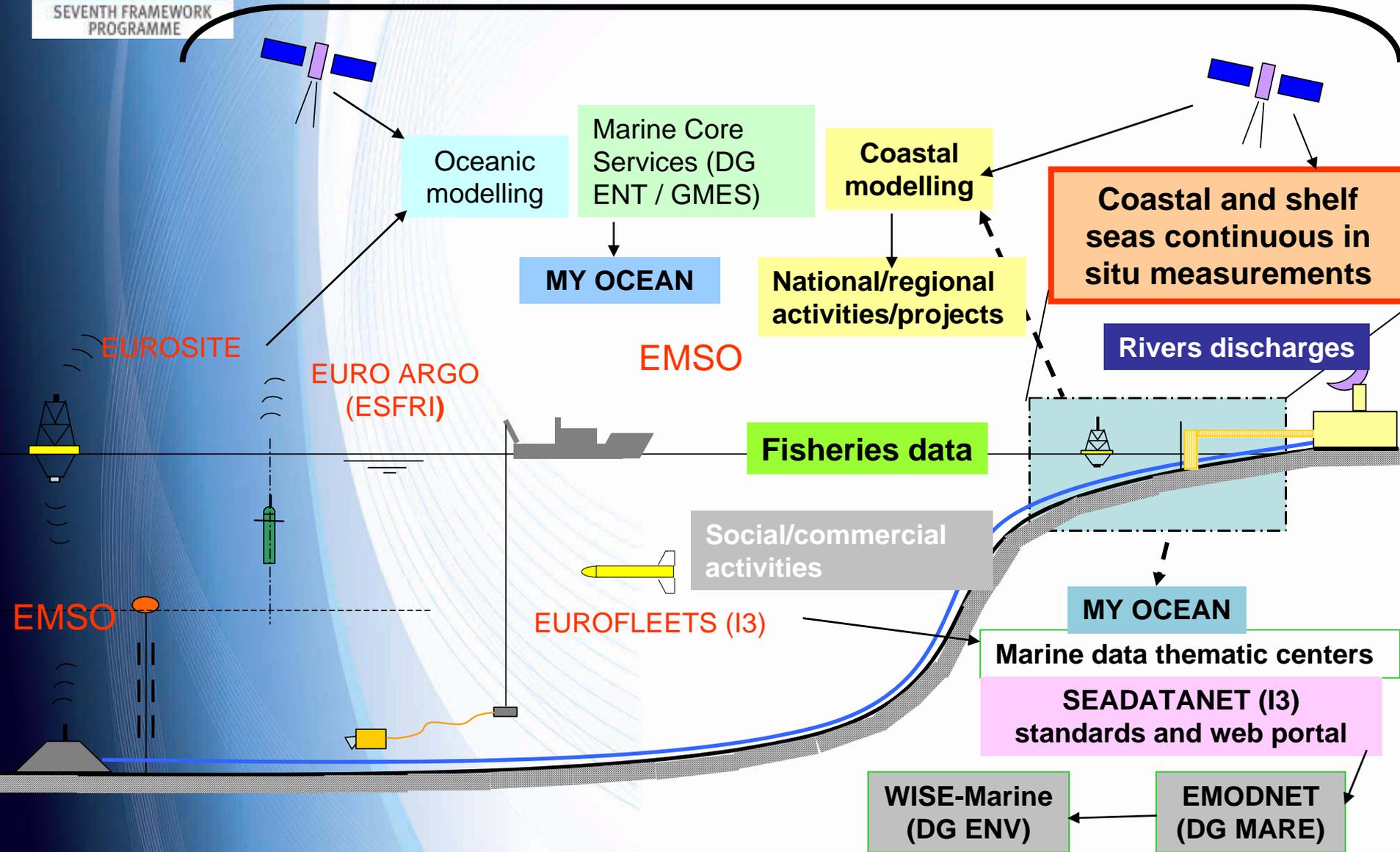
for Coastal

Observatories

Towards a long-term and sustained European network of coastal observatories



EC umbrella (directives, policies, communications)





JERICO's Vision

to **harmonise** existing European (operational) **coastal observatories** and **promote coordinated** future **developments** and **access** to the RI

JERICO will increase knowledge and understanding of marine systems, strengthen the **evidence base for environmental assessments**, provide data and information required to **improve predictions** of future human and climate driven **environmental change** and the **strategies to combat** them

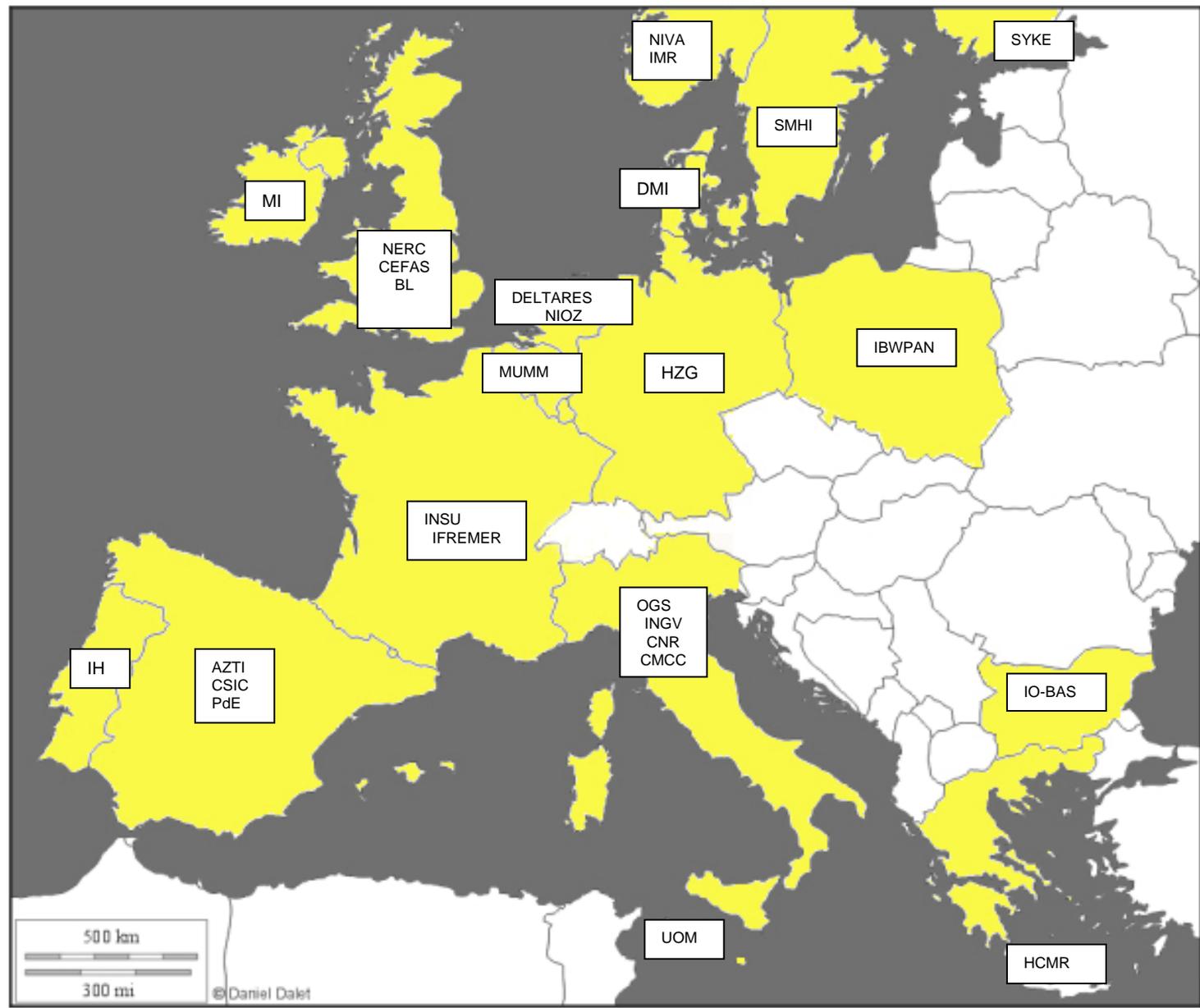


MAIN OBJECTIVES

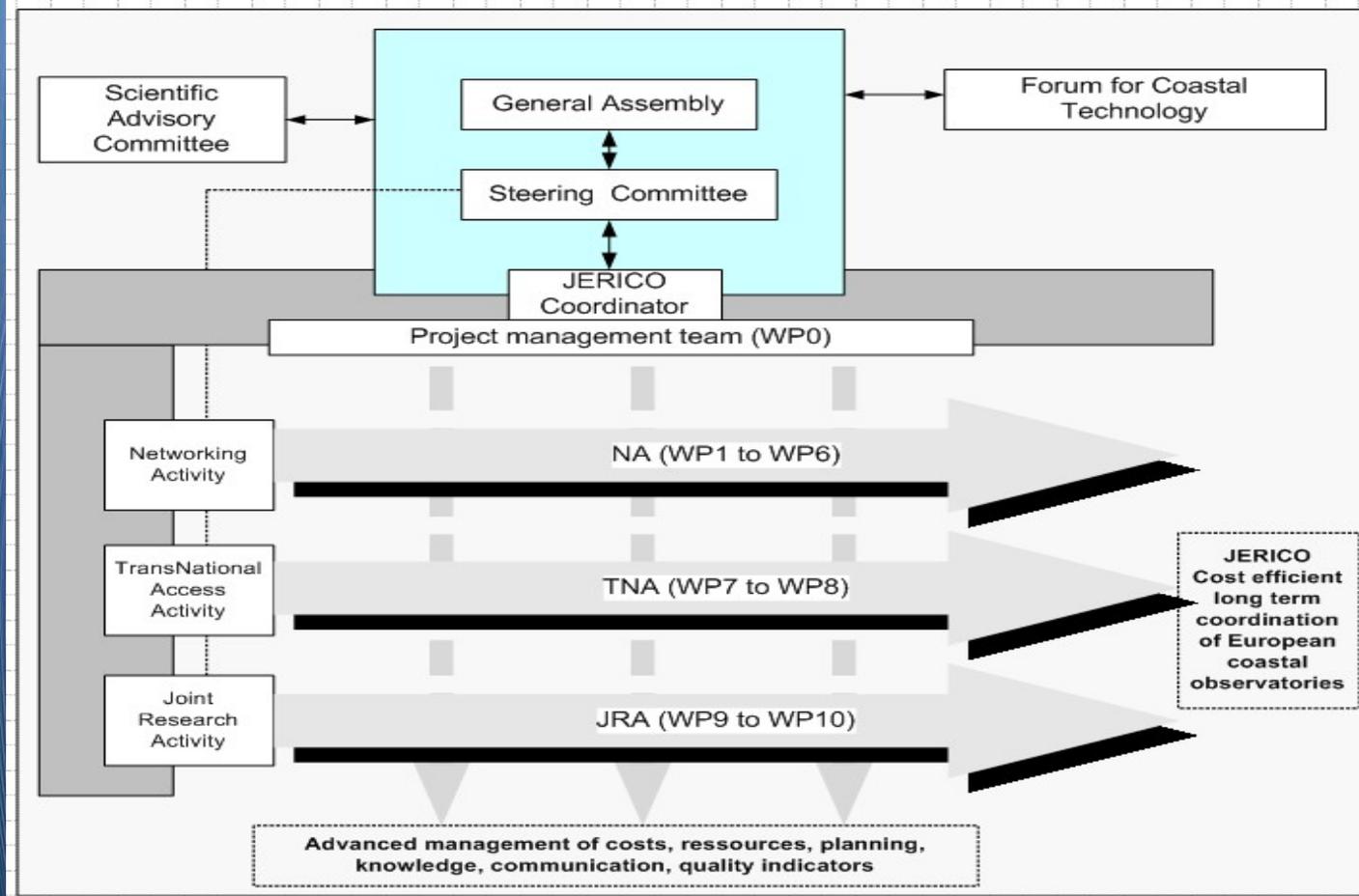
- Enhanced the coordination between existing coastal observatories
- Propose common procedure from the sensor to the data quality assessment
- Enlarge the network with new partners
- Prepare for the future European Network of operational coastal observatories (OCO)



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How the project is structured ?





JERICO Networking activities **(NA)**

- **WP1 : A common strategy, including definition and implementation aspects**
 - WP coordinator INSU + Ifremer & NIVA
- **WP2 : Strengthening regional aspects**
 - ROOS aspects and inter regional interfaces
- **WP3 : Harmonizing technological aspects**
 - Observing systems : fixed station, ferrybox, gliders
- **WP4 : Harmonization operation and maintenance methods**
 - Fouling, calibration, quality control, maintenance and costs
- **WP5 : Data distribution (Seadatanet and MyOcean)**
- **WP6 : Public outreach and education**



FORUM FOR COASTAL TECHNOLOGY

FCT

- Organisation of 2 technological forums
- Interface between users, marine research infrastructure and industry
- Propose to give label to sensor/equipment
- First forum coupled with the 1st summer school in Texel during next year summer



WP3: Harmonizing technological aspects

- To provide a common base for the operational use of **FerryBoxes**, gliders, fixed platforms along European coasts
- To review the current status of existing systems in operational use in European seas
- To define the best technical practices for compatible, robust and cost-effective systems
- To define procedures for harmonizing and merging quality assessed Platform data at regional (ROOS) level
- To define procedures and technological solutions for integration and testing of new sensors on these systems.



WP4 Objectives: HARMONIZING OPERATION AND MAINTENANCE METHODS

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



WorkShops in the next year

- 1st WS on ferrybox common to WP3 & 4
- 1st WS on fixed platforms in 2012 (Mar ?)
- 1st WS on gliders in 2012 (May ?)

- 1st summer school (on technology & TNA) and 1st forum FCT in the summer 2012

- 2nd WS + GA in October 2012 in Crete



1st workshop on ferrybox

- 30/31 August 2011. Actions to :
- Provide a more detailed questionnaire on ferrybox (sensor, calibration, biofouling)... and feedback
- Elaborate a “Best practices report” on ferrybox for January including installation, cleaning, sensors, procedure, QC, ...
- Preparing the next WS in October 2012



JERICO TNA & JRA

- **WP7 : Service Access (SA) to the data**
- **WP8 : Trans National Access**
- **WP9 : OBSERVING SYSTEM DESIGN**
 - How to optimize the network : OSE, OSSE
- **WP10 : IMPROVE THE SYSTEM COMPONENTS**
 - monitoring of key biological compartments and processes .
 - Developments and implementation on new platforms of physico-chemical sensors
 - Emerging technology : profiler, ship of opportunity (Recopesca, CANOE)



WP8 –TNA to Coastal Observatories

Objectives

- To enable **Trans National** and **free-of-charge access** to original coastal infrastructures among those operated by the JERICO project beneficiaries.
- To establish a **long-term alliance** between users and JERICO partners, facilitating staff exchange and mutual scientific collaboration.
- To build an **European facility for Science** dedicated to innovation (new sensors, new automated platforms).
- To promote the infrastructure by transferring know-how from partners to users, with a view to **future expansion** that will include new partners (possibly also from non-EU countries).



The Trans National Infrastructure Network

Fixed platforms
Ferrybox
Fishing vessels
Gliders



Ocean Data View



JERICO TNA – Selection Schedule

- Validation of the call by the Selection Panel
- CALL opening **1st call Dec 2011 - 2nd call Dec 2012**
- Selection of the TNA proposals by the Selection Panel (**scientific excellence**).
- Validation of each proposal by the manager of the infrastructure : **feasibility, timescale, availability ... suggestion for adjustments.**
- Final assessment by the Selection Panel : **results are made public through the TNA Web Page.**



Thank You for your attention

