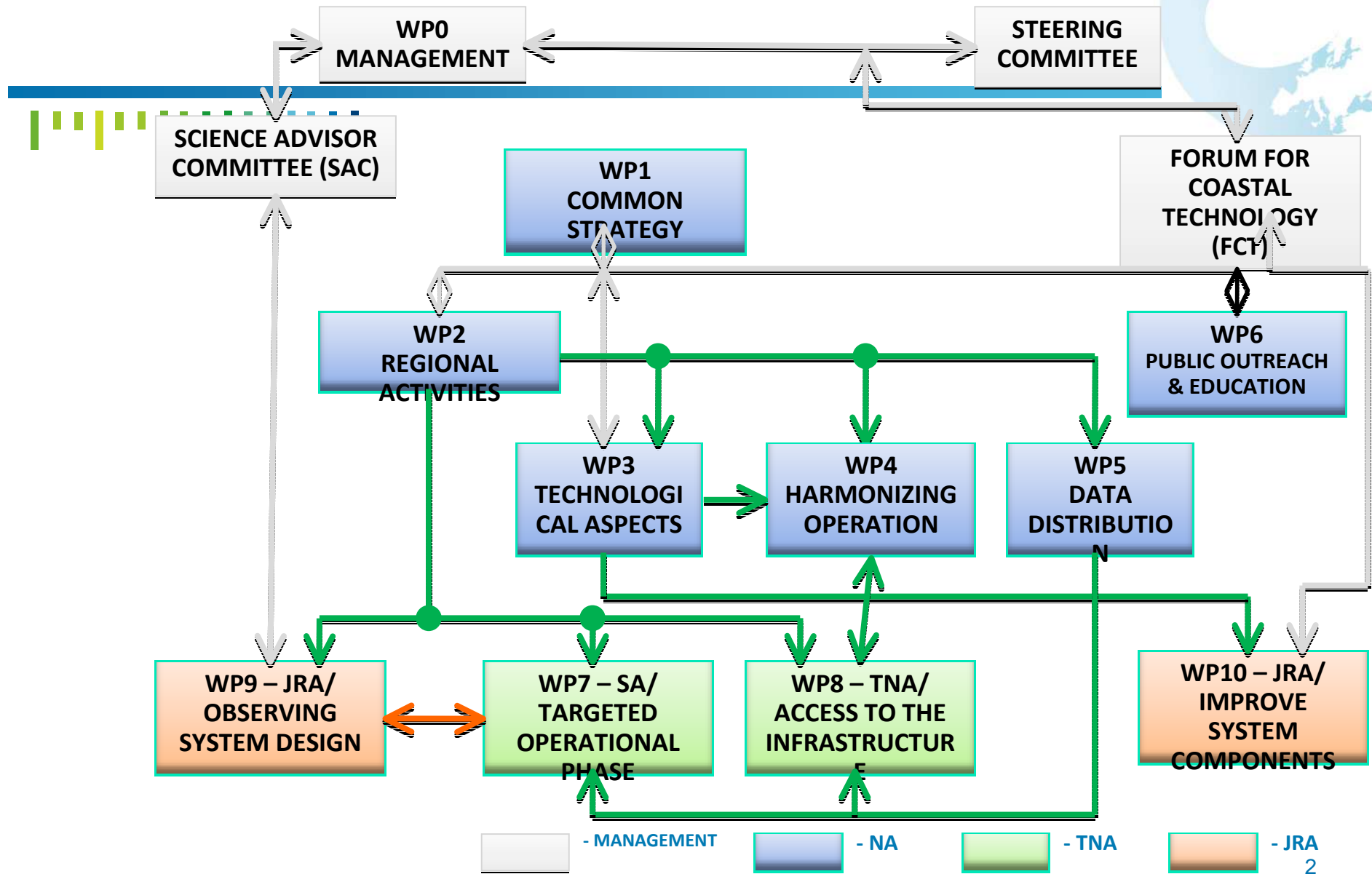




Workshop on fixed platforms

JERICO WP SCHEME



Main Jerico events in 2011



- *Kick off meeting in May : minutes available*
- *1st « ferrybox » workshop in August : minutes*
- *Meeting with JPI in October :*
action to coordinator to identify the Jerico outputs as inputs for the JPI “OCEAN”
- *Kick off meeting GROOM in November*

<http://hermes.dt.insu.cnrs.fr/groom/PRESENTATIONS/>

(userid=groom, passwd=fp7-groom)

JERICO WORKSHOPS in 2012



- *Calibration facilities – SYKE – February*
- *Fixed stations – CNR – 29/02 to 01/03 ROME*
- *Gliders – CSIC – 4th week of May PALMA*
- *SC and General Assembly – HCMR - 1st week of October – Crete*
- *2nd best practice workshop (all observatories) - HCMR - 1st week of October – Crete*

Objectives



The objectives of the workshop are to review current status of operations and to take forward developments of Fixed Platforms operations supported by JERICO work packages WP3 and WP4.

- 1. Overview of existing Fixed Platform systems in Europe.*
- 2. Review of the current status of Fixed Platforms operations within the evolving network of European marine sustained (operational) monitoring activity.*
- 3. Review development of appropriate new sensors.*
- 4. Plan development of recording of best practice procedures for Fixed Platforms operations (sensors, calibration, maintenance, antifouling).*

D 3.1.

REPORT STATUS FERRYBOX



Report on current status of FerryBox: Task 3.1 - Report of the first Workshop on experiences using a FB system (systems, sensors, quality control, data handling), best practice and identifying problems and lacks of best practice [month 9]

Content:

- Definition part
- questionnaire and the results (routes, equipment...)
- proposed best practices for :
 - installation (housing, cables, pumping, debubbling, ... sensors (brand, measuring principle...))
 - antifouling (cleaning)
 - maintenance (calibration, cleaning...)
 - communication (remote control, data transmission...)
 - data handling & metadata (database, public access...)
 - Quality control (in-situ, bottle samples, factory calibration...)
 - post processing (quality flags)

"best practices for fixed platforms"



Even if the following items will not be presented in the workshop, we'll have to define the "best practice manual" as a guide for the installation and the use of a fixed station, including :

- *how to choose the site?*
 - *technologies of mooring (if needed) in calm or rough sea ?*
 - *buoy technologies : material, power supply, access to maintenance, anti-fouling (WP4)*
 - *of course sensors : calibration (WP4), housing, cleaning ?*
 - *data collection : internal support, communication ,*
 - *Quality control.*
- *And to ask to the participants :*
 - *what are the gaps in geographical areas, sensors, methodology, ...*

OPTICAL SENSORS



Questions to answer for the FCT ?

- Proposal to dedicate the 1st FCT to O2 sensors and inter-calibration of T, S, O2*
- There is a lack of optical sensor development in Europe ! What Jerico can propose to fill this innovation gap ?*

NEXT FP7 OCEAN CALL



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)