

Harmonisation, Data Management, and Interfaces

Workpackage 2

Monitoring strategy and Design of the System

Main objectives

- Foster cooperation and coordination with existing RIs at different regional, national and transnational levels, other relevant communities (such as numerical modelling and Earth observation)
- Link the JERICO-RI to geographically adjacent RIs from the marine, river and terrestrial communities
- Liaise with entities in the remote sensing realm and coast-based industries
- Cooperate with numerical modelling communities in creating integrated monitoring-modelling frameworks
- Establish links to monitoring programmes, political decision makers and non-European ocean observing systems

Main results

- Establishment of contact with other European RIs on regional as well as on executive levels
- List of local/regional collaborations as the basis for analysing interfaces (also helping to identify gaps, missing observations)
- Engaging in discussions during the JERICO ARW#2 involving eight other RIs and more than 60 attendees, building the foundation for future cooperation on common research questions, standards, communication strategies and funding opportunities
- High-level discussions with DANUBIUS, working towards an MoU-other RIs to follow
- Building of relationships with other actors in fields of satellite observations (e.g., Copernicus, CCVS)
- Modelling (focus on connectivity, integration of observations and modelling, multi-scale processes)
- Governance bodies and non-EU RIs (OSPAR, HELCOM, determination of “needs”- what can the JERICO-RI provide)



Workpackage 5

Harmonisation of integrated Multiplatform & Multidisciplinary systems

Main objectives

- Review of existing best practices for mature observing platforms (HF Radar, Glider, Ferrybox, Fixed Platform (e.g. moorings)) and delivery of an homogenized electronic handbook summarising state of the art in platforms and sensors management, with rich references to published manuals, papers and training materials
- Development of functional tools for helping further harmonisation of best practices for mature platforms, also filling the gaps identified in the electronic handbook
- Advancements in the definition of best practices for observing biological and biogeochemical variables from the JERICO-RI platforms
- Definition of Key Platform Performance Indicators (KPPI) and Key Integration Platform Indicators (KIPI) for monitoring respectively operation and integration level of the JERICO-RI observing platforms

Main results

- Almost final draft of Task 5.2 e-handbook for mature platforms including data management section thanks to coordination with WP6. The handbook covers the same topics for all the platforms such as purposes, design, operation description, deployment and recovery, maintenance, uncertainties in observations, issues and gaps, standards used, sensor calibration, Quality Assessment methods. A template for the table of contents has been provided by Ocean Best Practices System and has been adapted to the current needs
- Task 5.1 Catalogue and checklists for biological sensors implemented in JERICO-S3 have been produced, with progress towards the definition of best practices on operational and calibration procedures. The focus is made on phytoplankton functional diversity using flow cytometry and multispectral fluorometer. Phytoplankton and zooplankton diversity are also addressed by in-flow and in situ imaging
- Definition of KPPI and KIPI (Task 5.3 recently submitted)



Workpackage 6

Data management for multidisciplinary coastal data

Main objectives

- Facilitate the data management for the JERICO-RI coastal platforms, by identifying, agreeing, and supporting application of Best Practices from multiplatform perspective, covering the whole data lifecycle from data acquisition, processing and analysis, storage and preservation to publishing in the EU aggregators CMEMS, SeaDataNet and EMODNet
- Identify and support the JERICO-RI target platforms- IRS and PSS, and platforms from the JERICO-RI partners- representing the basis for the coastal component of a potential future EOOS
- Identify, test and compile the JERICO-RI tools for QC, data and metadata management, reformatting, to support the data centers in data lifecycle management, implementing and using of the JERICO-RI best practice

Main results

- Active WP group contributing to improved data management in the coastal research domain
- The JERICO-RI platform catalogue
- Data management plan for JERICO-S3 (D6.1)
- Data Management Best practices development for biological imagery systems (Reported in D6.4)
- Data Management Best practices capturing for physical and BGC platforms (Report D6.3 released very soon)
- Software catalogue datamodel and first content (part of e-JERICO)
- First steps in introducing and promoting citizen science concepts as part of the coastal research

