

Workpackage 3 Integrated Regional Sites

Main objectives

- Organize, harmonise, and integrate existing coastal observing activities and initiatives within and between regions
- Direct coastal observing efforts towards the needs and requirements of local/national/regional levels, and coordinate/optimize at pan-European level for larger scale scientific and social issues
- Develop region-level strategic plans that include research themes, data harmonization/delivery, user/stakeholder needs and requirements, and sustained funding
- Promote inter-regional (IRS-IRS + IRS-PSS) interactions and harmonisation for a more efficient and accessible JERICO-RI (strength in commonalities)
- Cooperation between countries in each region to further develop ESFRI roadmap support

Main results

- IRSs contributed to D3.1: Initial analysis and summary of region-specific and region-wide monitoring strategies, and regional sustainability plans
- IRSs have established road maps for Integration, Interoperability/harmonisation, business case/financial sustainability, and organisational/structure
- IRSs have held meetings to plan development and for IRS-specific strategies and focus topics
- Work has begun on D3.2: Report on integration progress within and between IRSs



Workpackage 4 Pilot Supersites for innovative coastal monitoring

Main objectives

WP4 provides a practical demonstration of how JERICO-RI Pilot Supersites (PSS) are to be implemented in order to become a network of Supersites.

Within PSSs, key questions are how:

1. the various national infrastructures should be managed, integrated and interfaced, to create credible transnational, multidisciplinary and multiplatform observation capabilities serving excellent science, joint Pan-European research question, innovation and societal needs.
2. the sub-components are optimally operated when studying complex coastal challenges in an integrated approach,
3. interactions with other environmental RI networks can be regionally organised,
4. the interactions with modelling and satellite remote sensing communities are regionally implemented,
5. PSSs are able to upgrade harmonised and sustained observations and products that are usable for various societal and scientific needs

Main results

- Pilot Super Sites (PSS) implemented at 4 sites.
- Gulf of Finland PSS, NW Mediterranean PSS, Twin English Channel – North Sea PSS, Cretan Sea PSS
- 4-11 partners in each, Multiplatform, 6-10 Case studies (Actions) to be implemented, Actions in 2021-22.
- D4.1 lays definitions, preconditions and requirements for PSSs as well as detailed implementation plan.
- D4.2 and D4.3 report first year of PSSs activities and makes refinements in study plan for a second year



The JERICO-RI Supersite is a regional (or sub-regional) coastal marine observatory, with multiple in situ observations at appropriate spatiotemporal resolution, within restricted geographical region, maintained over long timescales, designed to address interdisciplinary objectives, driven by science and society needs and with well-established data flows

Supersites

- Contribution to local, national, regional and global scale requirements
- Comprehensive and top-level, high-frequency measurements in all required scientific areas (marine physics, biogeochemistry and biology)
- Integrated, multi-platform strategy for long-term observation, process measurements and experimentation
- Key platforms for J3 integration in “European RI ecosystem”
- Organisation of regular joint campaigns
- Observation R&D, benchmarking, calibration lead

Advanced Observatories

- Comprehensive and top-level measurements in specific scientific areas or services
- Capability for hosting campaigns and intercalibrations

Standard Observatories; collaboratory data sources

- Continuous measurement of key parameters
- Local and regional collaboration in regular acquisition of multisource coastal data (e.g. monitoring programs)

