

A Pan-European Multiplatform Approach

Fixed Platforms

- Bottom-based Observatories
- Multiparametric Buoys
- Coastal landers



Moving Platforms

- Ferrybox
- Coastal / Surface Drifters
- Gliders
- Vessel Mounted ADCPs



Land-based Stations

- Pier Multiparametric Station
- High Frequency Radars
- Tide Gauges



Metrology and Calibration Facilities



- Bottom-based Obs.
- Fixed Platform
- HF Radar
- Manual Sampling
- Coastal Profiler
- Ferrybox
- Ferrybox
- Glider
- Profilers
- Surface Drifters
- Research Vessel
- Regions



The European Coastal Ocean Observing System

17+
Countries
JERICO comprises 17+ countries

39+
Partners
More than 39 partners are involved in the RI

672+
Platforms
JERICO integrates more than 670 platforms



jerico-ri.eu



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Our Vision

To be the European gateway to long-term observations and related services for coastal marine systems, empowering European research excellence and expertise for the benefit of society.

Our Mission

To establish the framework upon which coastal marine systems are observed, analysed, understood, forecasted, enabling open-access to state-of-the-art and innovative facilities, resources, FAIR data and fit-for-purpose services, fostering international science collaboration.



Image Credit: Adobe Stock

Key Scientific Challenges

- Assessing and predicting the changes of coastal marine systems under the combined influence of global and local drivers and pressures
- Assessing the impact of extreme events
- Unravelling the impacts of natural and anthropogenic changes

Strategy Pillars

- Maximise the value for science and society
- Developing and integrating innovative technologies for coastal ocean observing and modelling
- Regional and Pan-European implementation
- Promoting coordination across Ocean observing initiatives

Access to Data, Products & Services

Virtual Access

With JERICO-CORE (the JERICO-RI e-infrastructure), the coastal ocean is just one click away. Built as a one-stop-shop, providing users integrated access to data, products and services, integrating with Blue Cloud of EOSC, CMEMS and EMODNET services.

JERICO-CORE provides virtual access to 20 European coastal ocean services, free of charge and is open to all stakeholders and users.

Access to the Physical Infrastructure

50+ facilities are open for access to academia for cutting-edge coastal research and to industry for testing, demonstration and validation of new technologies and fast-tracking innovation. Successful completion of more than 90 Transnational access projects.

Image Credit: Seapower Ltd.

A Partner in the Blue Economy

To support the sustainable Blue Economy, it is crucial to have access to long-term data, which helps in building knowledge about key scientific challenges and the environmental state of coastal areas.

The JERICO-RI regional and Pan-European infrastructure offers invaluable insights into the various pressures that influence the conditions and changes occurring in coastal oceans and supports environmental policies.

Image Credit: Unsplash, Nicholas Doherty

Supporting Environmental Policies and Crisis Response

In continuously observing the coastal ocean environment and ecosystems, the JERICO-RI provides long-term and high-frequency measurements to track ecosystem variability and extreme events as well as helping to assess the impacts of coastal populations on the marine environment.

Image Credit: Unsplash, Marcus Woodbridge