

9<sup>TH</sup> EUROGOOS  
INTERNATIONAL CONFERENCE



# JERICO-RI

**EuroGOOS CONFERENCE 2021**

5th May 2021 - Brest/France (Virtual)

**Speakers** : Laurent Delauney (Ifremer)

**Contributor** : JERICO Consortium





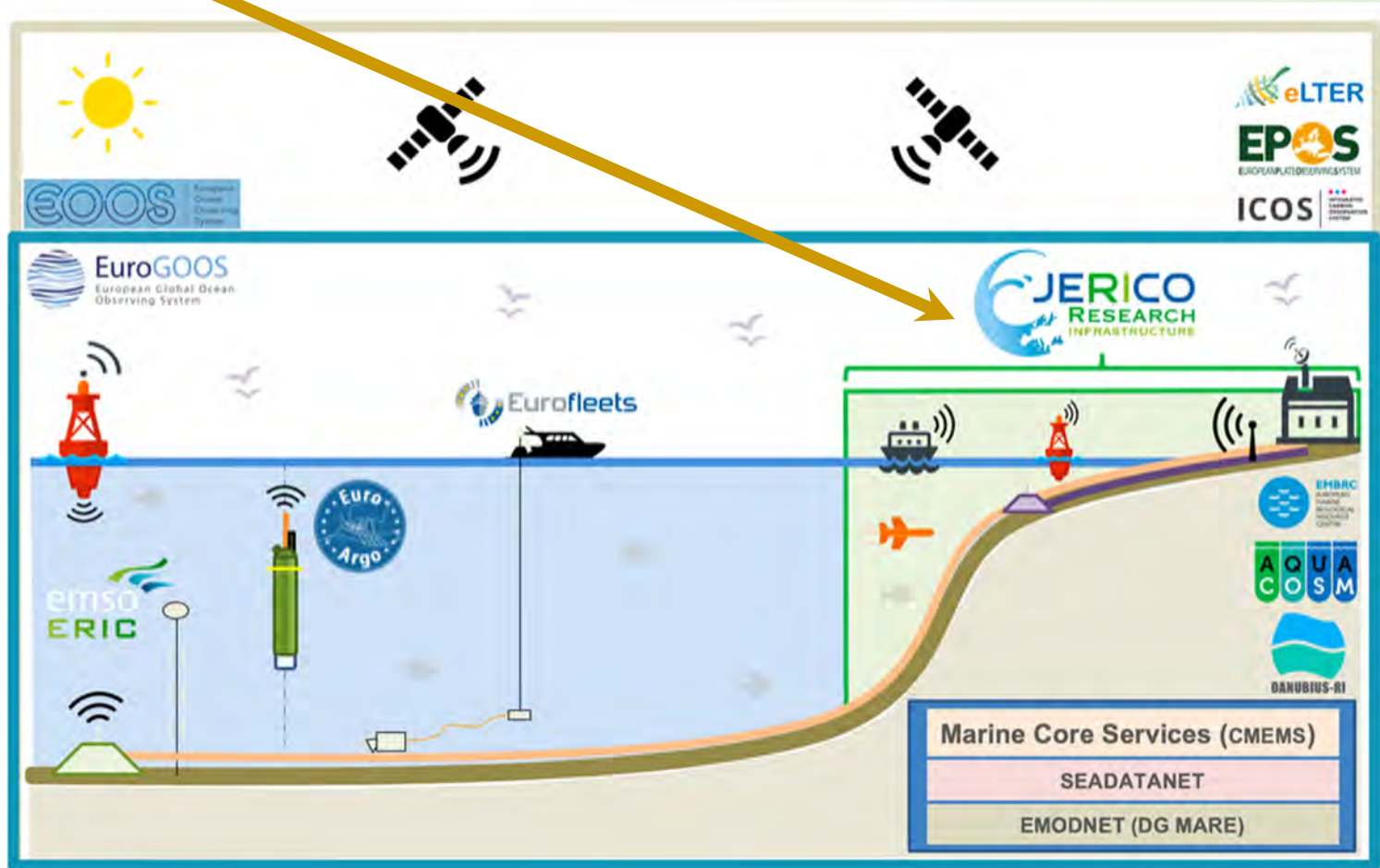
## VISION

*“By 2030, JERICO-RI will be the **European gateway to long-term scientific observations and related services** for **European coastal marine systems** at the **convergence between the land, open ocean and atmosphere**; empowering European research excellence and expertise for the benefit of society.”*



## JERICO-RI, A key position within the RI Landscape

The Coastal Domain is at the interface btw. Land and Ocean



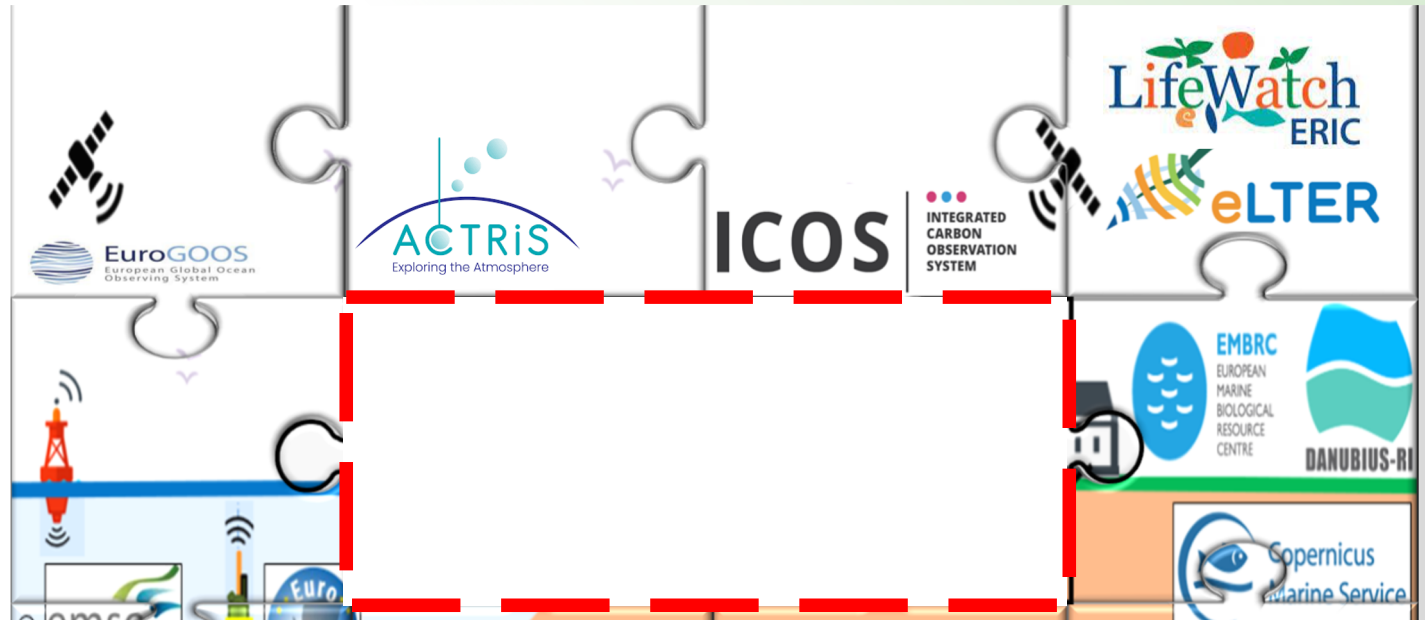


## JERICORi, A key position within the RI Landscape

=> RI / RI collaboration

Regional

**Integration of approaches**  
knowledge, methods & activities



EU

**Use cases from regions to EU**  
sharing of technologies, best practices, joint workshops

**Objective:**

**Engage a synergy to coordinate, optimize and generate added value**



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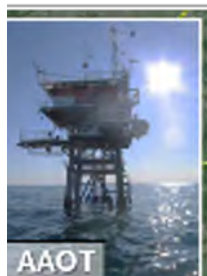
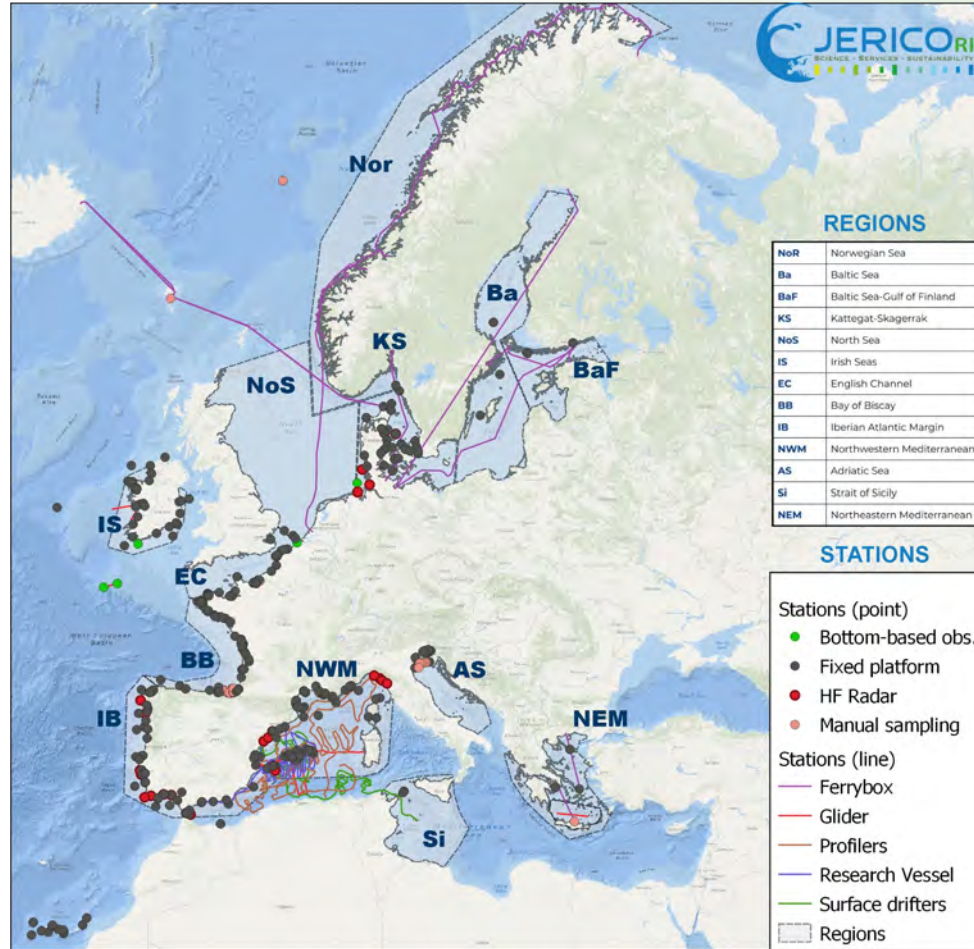
### The potential of a European coastal system

- Physical integration: a system of local and regional platforms
- Virtual integration: building on national and EU e-Infra
- Geopolitical integration: building on national capacities



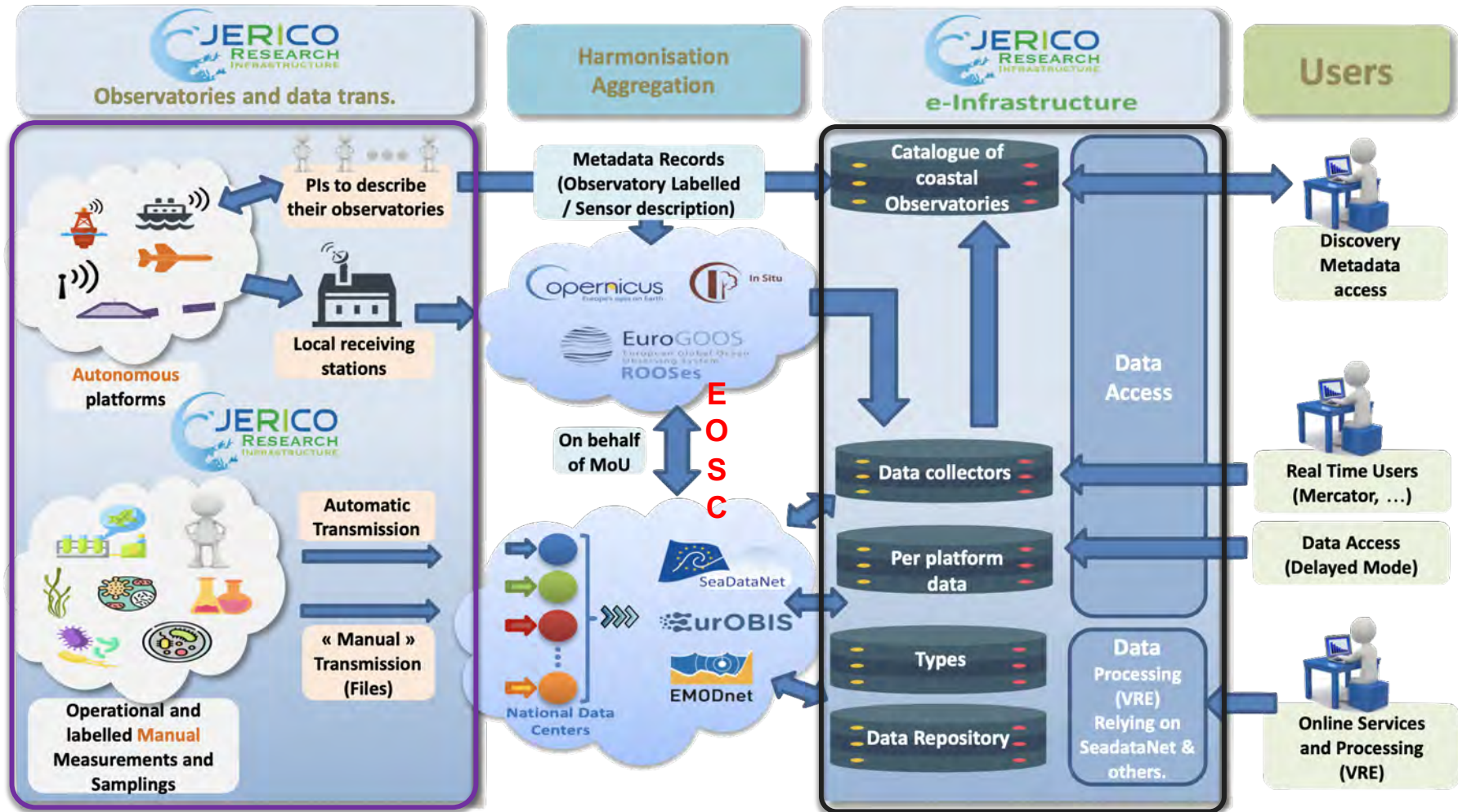
# Potential of JERICO-RI: the physical part

- More than 500 platforms
- 13 European Regions
- 19 European countries
- ~ 40 partners



# Potential of JERICO-RI: the virtual part

## Sensor interoperability with FAIR Data delivery



# Potential of JERICO-RI: the strategy part

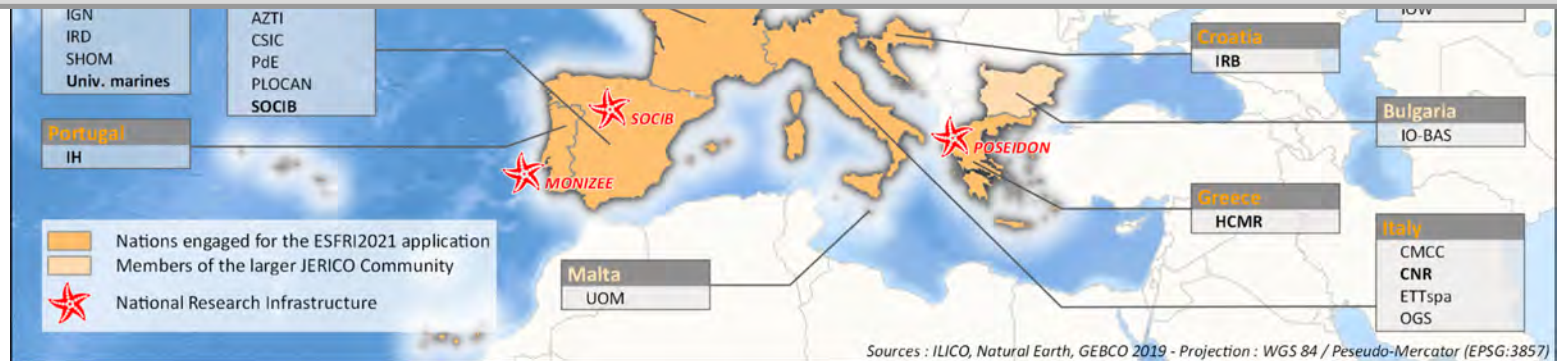
International expertise for an integrated multidisciplinary approach

Connection of National Networks:  
 $\Sigma$  National Roadmaps



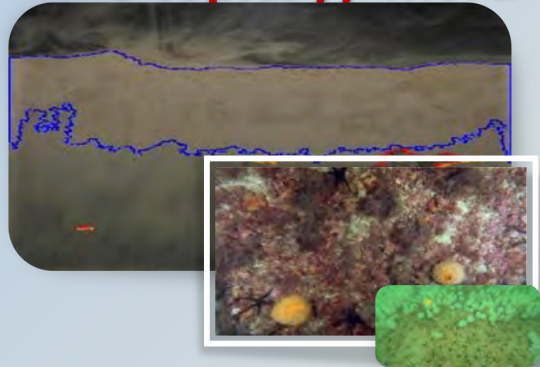
Only an integrated multiplatforms approach can address the complexity of the coastal ocean in time and in space

EU

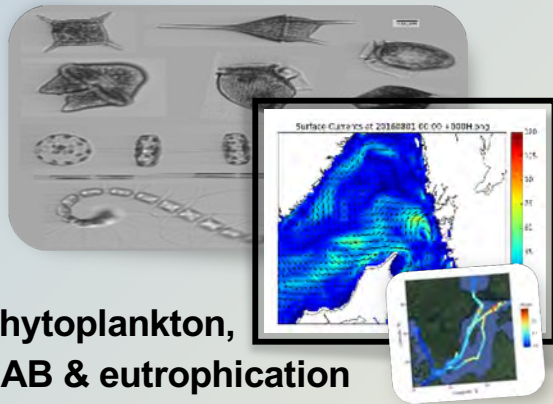




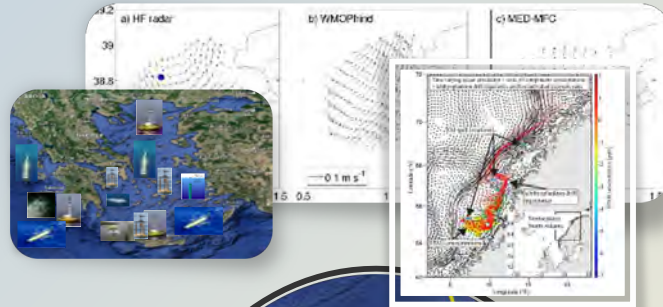
## ❖ 6 topics // MSFD



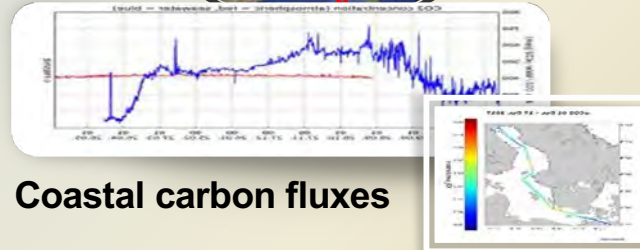
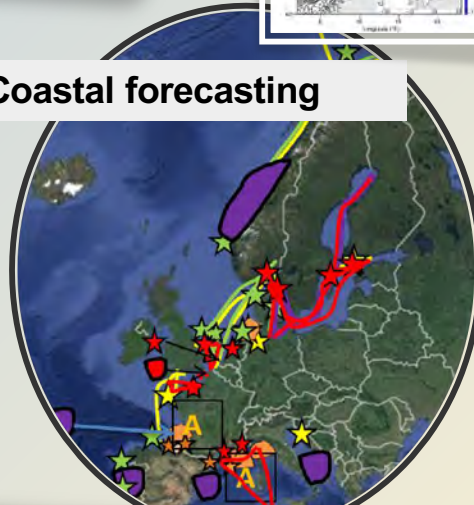
**Macrobenthic biodiversity**



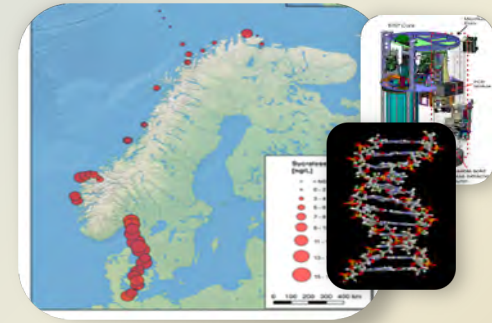
**Phytoplankton,  
HAB & eutrophication**



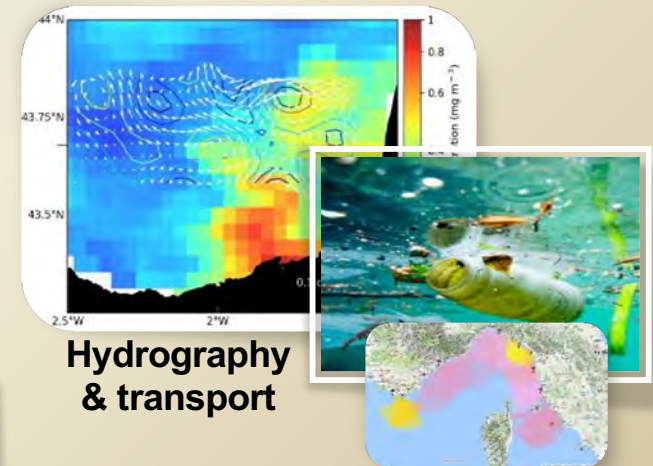
**Coastal forecasting**



**Coastal carbon fluxes**



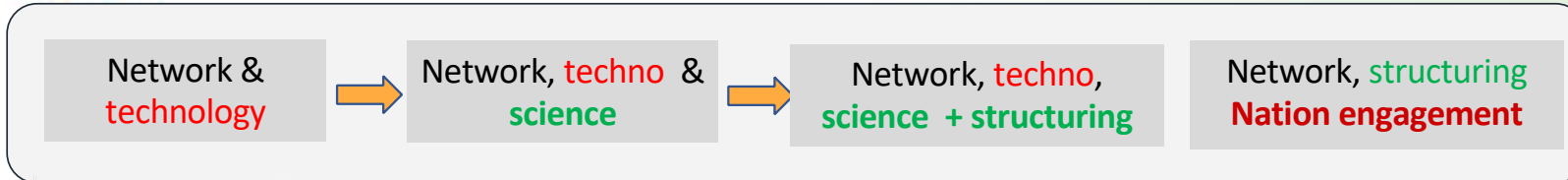
**Chemical contaminants  
& biological responses**



**Hydrography  
& transport**



## II. The JERICO story => from a **Network** to an **RI** then to an **ERIC**



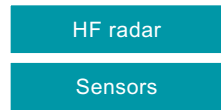
2005



2011-2015



2015-2019



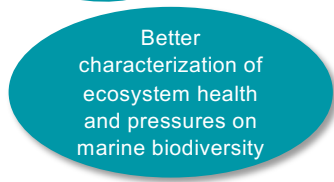
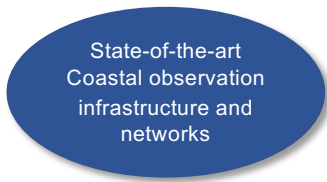
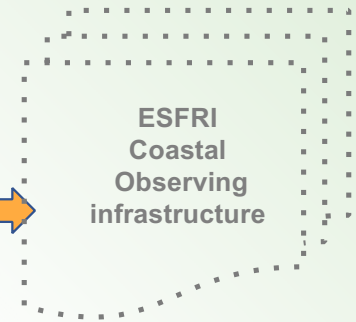
2020-2024



2020-2023



EOOS/EuroGOOS



Horizon 2020 European Union Funding for Research & Innovation

Strategic step for European Coastal ocean pluridisciplinary community



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# JERICO-RI beyond Europe

## AA-COASTNET: All Atlantic COASTal observing and technology NETwork

A network dedicated to  
**Marine Coastal Observations**  
with the countries part of the Belém and Galway Statements



### BRAZIL

- SIMCosta: Brazilian Coastal Monitoring System
- PNBoia: The National Buoy Program
- MePro initiative: Best Practices in Ocean Observations

### ARGENTINA

- EMAC low-cost buoys and stations monitoring network

### SOUTH AFRICA

- SMCRI: Shallow Marine and Coastal Research Infrastructure
- SAIAB: South African Institute for Aquatic Biodiversity

### WEST AFRICA

- PROP AO: Coastal sea Surface temperature network

### CARBO VERDE

- CVOO: Cabo Verde Ocean Observatory
- OSCM infrastructure: Ocean Science Center of Mindelo

### EUROPE

- JERICO-RI: Joint European Research Infrastructure for Coastal Observations

### And as advisory entities:

- AtlantOS (EU, Trans-Atlantic)
- CoastPredict.org
- Alliance for coastal technologies (US)
- Ocean Network Canada (Canada)

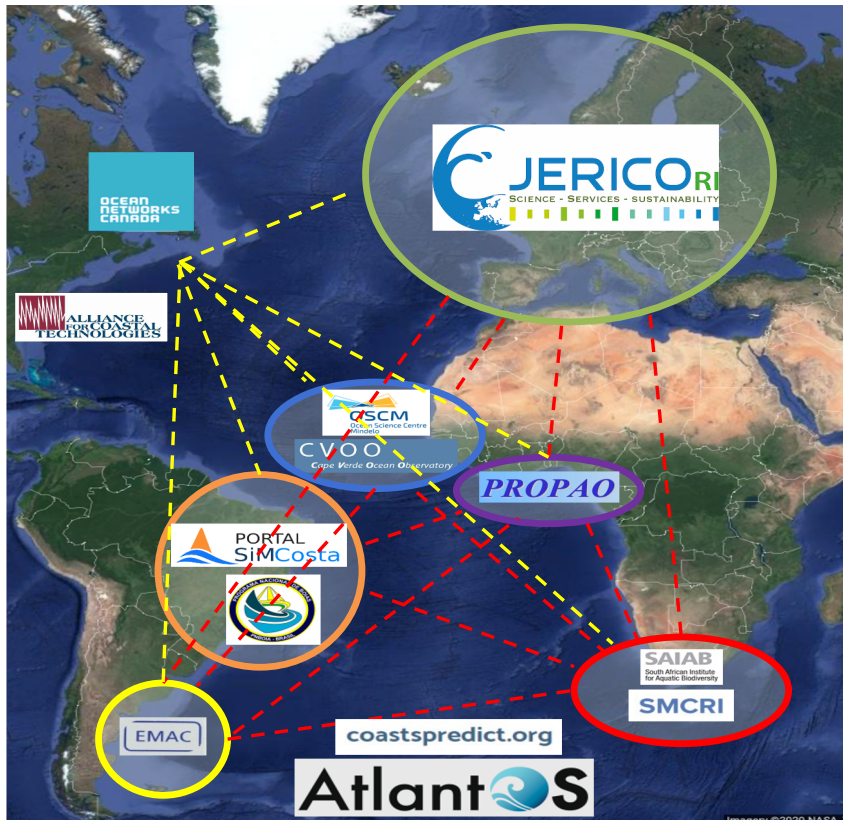


The AANCHOR project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 818395.

# JERICO-RI => beyond Europe

## AA-COASTNET: All Atlantic COASTal observing and technology NETwork

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**Marine Coastal Observations**  
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### Long term objectives

- promote a **better scientific knowledge** about the links and exchanges between offshore and inshore/coastal regions.
- to **connect, align** and **maximize** the coastal observation efforts already existing in both edges of the tropical and southern Atlantic,
- inducing the **use of common guidelines** that lead to the improvement of the best observation practices,
- **keep a close link** with open ocean observing networks in the All Atlantic basin
- **promote cooperation and ship-time/equipment sharing**, once ships necessarily cross shelf break-shelf-coastal areas
- to **encourage and identify new sources of funds** for its maintenance, especially those made available in calls for proposals from international and trans-national funding agencies
- contributing to the « **Predicting Global Coastal Ocean Toward a More Resilient Society** » as proposed for the **United Nations Decade**
- to **follow the UN Ocean Decade implementation plan** and to apply for endorsement by the UN Ocean Decade





# JERICO-RI - Towards a sustainable and operational European RI



**EOOS** | European Ocean Observing System

**ALIGNING, INTEGRATING AND PROMOTING EUROPE'S OCEAN OBSERVING CAPACITY**



JERICO-RI is seen as the coastal component of the **European Ocean Observing System (EOOS)**

=> **U.N. Decade of Ocean Science for Sustainable Development**

**Application to the ESFRI roadmap 2021: answer in July 2021**



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