

JERICO-S3

INFRAIA-01 2019 CALL

Integrating Activities for Advanced Communities

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INFRAIA-01-2018-2019

- ✓ Deadline was: 20 Mar 2019
- ✓ 10 M€
- ✓ Decision Go/No-Go : July - August 2019



Topic: Coastal and shelf seas observing research infrastructures.

“This activity aims at

- *integrating and improving access to coastal observatories*
- *developing innovative monitoring strategies to address better the complexity of coastal seas (such as the coupling of physics, biogeochemistry and biology).*
- *promote harmonisation and seamless interface with open seas observing systems notably the relevant ESFRI infrastructures.*
- *should foster innovation and societal impact including through effective synergies with European and global initiatives such as COPERNICUS, EMODNET, GEO/GEOSS.”*

Scope & specific challenge

- IAs⁽¹⁾ organize **the efficient curation, preservation and provision of access to the data collected or produced under the project**, defining a **data management plan**,

.... Data management (including ethics and privacy issues), interoperability, **as well as advanced data and computing services** should be addressed where relevant.

To this extent, proposals should build upon the state of the art in ICT and e-infrastructures for **data, computing and networking**, and ensure **connection to the EOSC** (European Open Science Cloud).

(1) IA: Integrating Activity

Scope & specific challenge

- **IAs** : to duly take into account **all relevant ESFRI and other world-class research infrastructures to exploit synergies**, to reflect on **sustainability** and to ensure complementarity and coherence with the existing **European Infrastructures landscape**.
- Proposals should include **clear indicators** (KPIs) allowing the assessment of the progress towards the general and specific objectives, other than the access provision.

Scope & specific challenge

Aim :

to **bring together, integrate** on European scale, and **open up** **key national and regional research infrastructures** to all European researchers, from both academia and industry, ...

'Advanced Communities' :

- The RIs show an **advanced degree of coordination and networking** at present, attained, in particular, **through Integrating Activities awarded under FP7 or previous Horizon 2020** calls.

- Proposals have to clearly **demonstrate the added value and the progress beyond current achievements in terms of integration and services**, of a new grant.

- Strongest impact :

typically to arise from focusing on **innovation aspects** (not only tech) and **widening trans-national and virtual access provision**, both in terms of wider and more advanced offer of scientific services, than in terms of number of users and domains served.

Scope & specific challenge

'Advanced Communities' :

- Communities supported in the past under > 3 years of integrating activities:

-> creation of **strategic roadmaps** for future research infrastructure developments

-> as well as **the long-term sustainability**

of the integrated research infrastructure **services** provided at **European level.**

==> preparation of a **sustainability plan** beyond the grant lifecycle as well as, where appropriate, **the involvement of funders**

JERICO LEGACY and long term vision



2007-2013



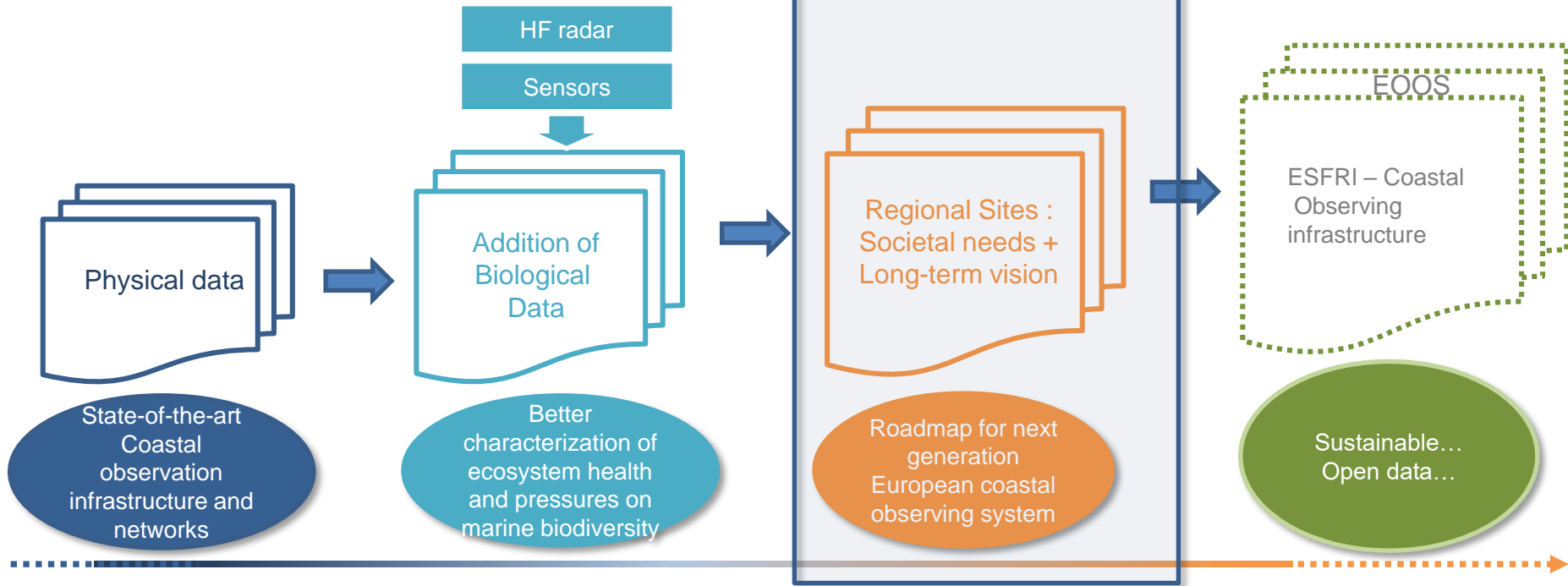
2015-2019



2020-2024



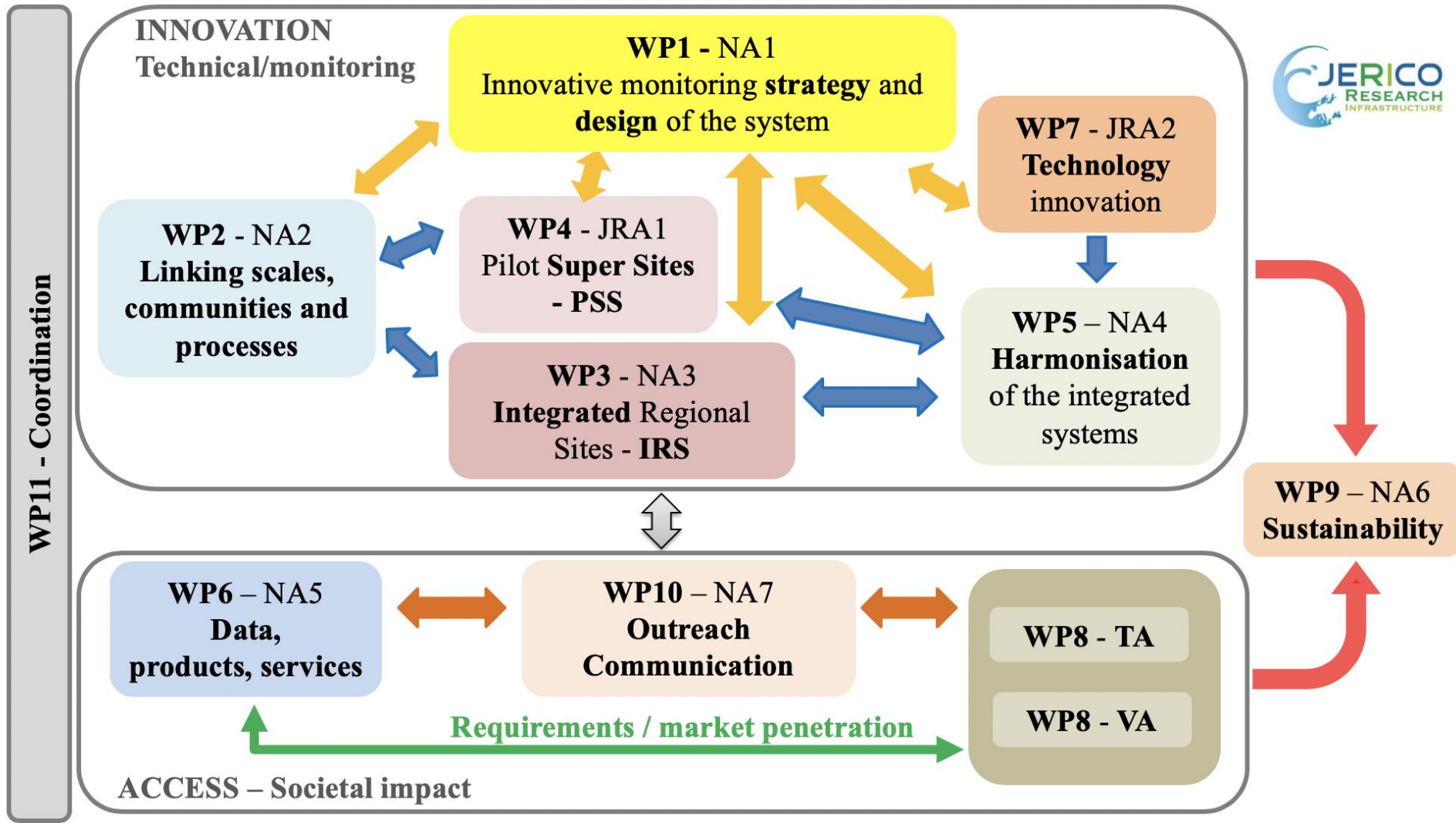
From 2025



Horizon 2020
European Union funding
for Research & Innovation

Strategic step for European Coastal ocean pluridisciplinary community

JERICO-S3 structure



Major objectives of JS3:



1. To improve **ACCESS** to integrated coastal **data flow** and to the in situ **observatory** that acquired them, as well as to **related services** to serve science and societal needs, in the continuity of JERICO-FP7 and JERICO-NEXT projects =>
 - Provision of **one integrated harmonised system** to deliver information on coastal and shelf seas across three key application areas: **Marine ecosystem health, Operational services and Climate.** [\(WP5\)](#)
 - Enlarging **TNA and Service accesses** with more diversified services beyond to the access to data and the platforms: access to expertise services, computing facilities, library of practices and computing codes thanks to an e-infrastructure associated to the physical ones. [\(WP8\)](#)
 - Drawing and implementing a dedicated **data management plan** based on an e-infrastructure, interoperable with EU data systems such as EMODNET, CMEMS, EOSC, fostering integrative multidisciplinary data flows and related services. [\(WP6\)](#)
 - Developing e-infrastructure and software. [\(WP6 & WP7 and 8\)](#)
 - Promoting these accesses and the related performance of JERICO-RI to users (scientists, funders, private sector, education, general public). [\(WP10\)](#)

Major objectives of JS3:

2. To implement a dedicated **innovative monitoring strategy** performing **integrated science observation based on integration of harmonised observing systems (multiplatform approach)**, innovative technical developments and **synergy with other relevant ESFRIs and RIs =>**
 - Definition of scientifically strategies and approaches **to acquire and integrate observations of coastal Essential Ocean Variables (cEOV)**, considering also regional & local **specificities and** supporting increase of knowledge and understanding of physical, biogeochemical and biological interdependent processes ([WP1](#))
 - Application of scientific approaches on selected regionally structured sites (PSS) to test both these approaches and the structuration for sustainability ([WP4](#)),
 - Support of harmonisation and integration in IRSs according to **WP1** scientific approaches ([WP3](#))
 - Coordination of collaborations with other ESFRI and RI initiatives, built on return of experiences led in WP2 to progress toward a joint strategy ([WP2](#))
 - Development of innovative physical observation systems to keep on progress of the ecosystem observation and study ([WP7](#))

Major objectives of JS3:

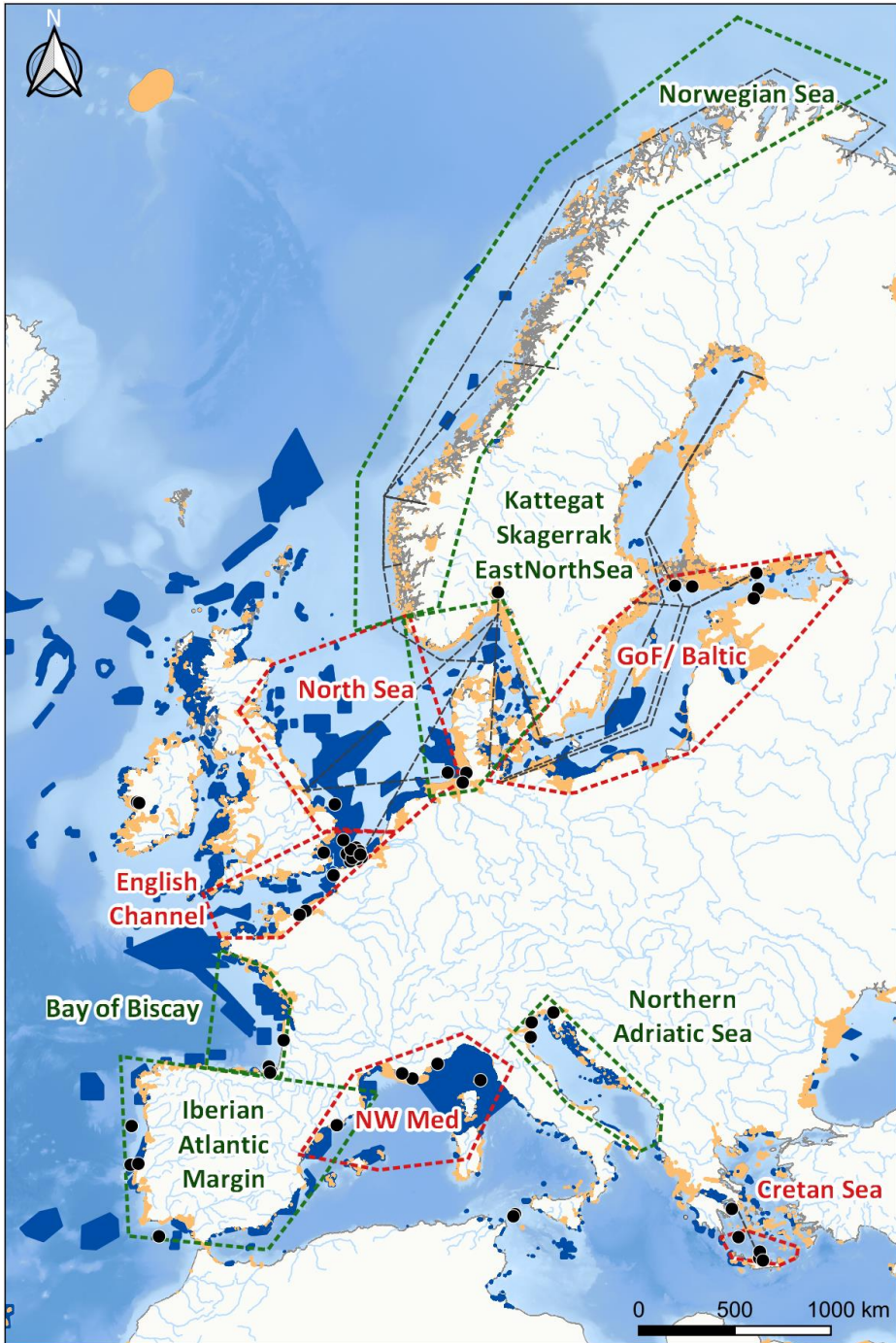
3. Creation of a strategic roadmap to sustain JERICO-RI =>

- Regional structuration (link with **WP1**)
- Feedback after testing of regional concept at some selected sites (link with **WP3 and WP4**)
- Collaboration with other RIs (national RIs to be committed) (link with **WP2**)
- Preparation of business plan including user strategy (**WP9**)
- Involvement/engagement of national representatives and of key stakeholders (**WP9**)
- Preparation of a governance strategy with a sustainable plan (**WP9**)

=> a [funnel to WP9 \(Sustainability\)](#)

4. Innovative Communication action => WP10

- involvement of institution communication people
- ...



JERICO-S3 infrastructures and Marine Protected Areas

- Pilot Super Site (PSS)
- Integrated Regional Site (IRS)
- Transnational Access (TA)
- Transnational Access (TA)

Marine Protected Area (MPA) :

- Marine
- Coastal

Sources :
 Marine Institute (JERICO-S3 TA installations), WDPA (MPAs), GEBCO - GSHHG - OSM (Basemap)
 Coordinate system : Pseudo-Mercator



PSS

and

IRS

?

JERICO-S3, what does it mean ?



Joint European Research Infrastructure of Coastal Observatories

- **Science**
- **Service**
- **Sustainability**

And now, let's be confident and trust the future !

However, fingers crossed... ;-)



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