JERICO RI
SCIENCE - SERVICES - SUSTAINABILITY

Marine coastal observatories, facilities, data and expertise for Europe

Technology and Technology Design

JERICO S3
SCIENCE - SERVICES - SUSTAINABILITY

Workpackage 7

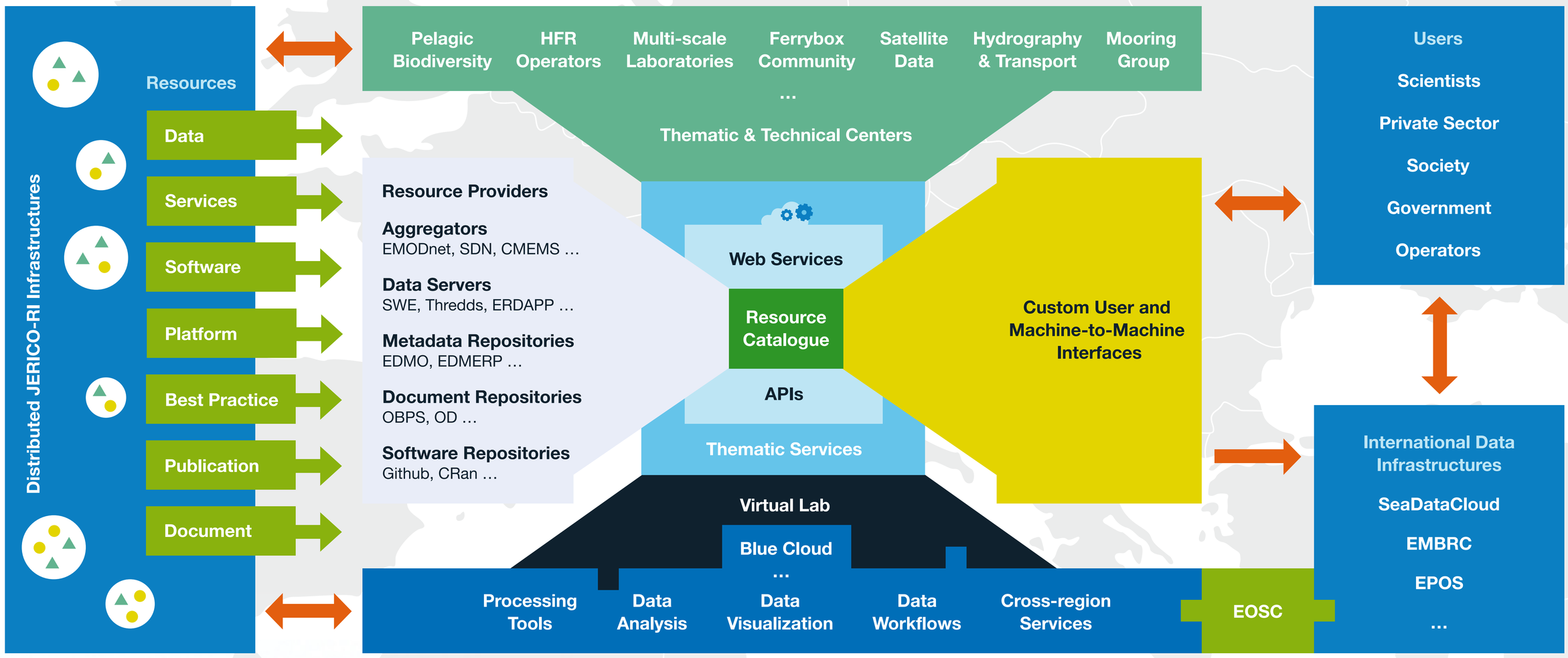
Technological innovation

Main objectives

- Define, design, develop and demonstrate a coastal observing module for the JERICO-RI (cEGIM)
- Define sensor packages to respond to a broad range of environmental scenarios
- Propose Artificial Intelligence techniques and demonstrate through in-situ application
- Define and develop the JERICO e-infrastructure for data, data products, service delivery, connectivity with data brokers and best practices

Main results

- cEGIM and sensor set requirements defined and subset mainly secured for demonstration in Spring 2023
- cEGIM core based on COSTOF2 technology defined, designed and acquired, test site identified (Brittany), tests to take place in Autumn 2022
- Demonstration scenario co-designed with WP1 and WP5, site selected (English Channel PSS / SMILE site)
- Artificial Intelligence use case under development (self-awareness and sensor automated control at demo site)
- E-infrastructure (JERICO-CORE) requirements, conceptual and technical design, implementation phase all done (2021), now in integration phase, operational soon (2022)



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Workpackage 1

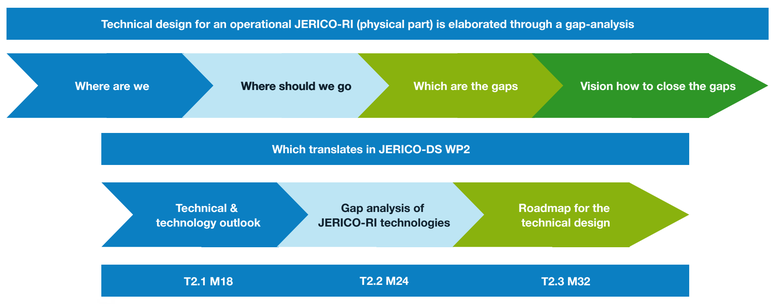
Co-construction of a long term Coastal Science plan between nations and EU in the European RI landscape

Main objectives

- To provide a practical technical roadmap for an operational the JERICO-RI to implement a distributed Research Infrastructure for European coastal seas
- A description of the technological solutions that can be implemented
- Accounting for regional specificities and national requirements
- Establish a Conceptual Design of the physical (hardware part) of the JERICO-RI
- Provide a technical roadmap for the implementation of the JERICO-RI as a preliminary document for a Technical Design

Main results

- Collection of nation-specific data for technology outlook and analysing this ongoing
- Workshops to gather information from the JERICO-RI Science Strategy, and Data Intergration Strategy, and Pilot SuperSite / Integrated Rgional Sites experiences as well as other european initiatives
- Gap analyses to start (late 2022) followed by Roadmap (early 2023)



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