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JERICO-S3 DELIVERABLE

Joint European Research Infrastructure network for Coastal Observatory Science, Services, Sustainability

DELIVERABLE n° WP and full title	JERICO-S3 D10.6 – Dissemination and Exploitation Plan - Impact report
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TABLE OF CONTENT

Executive Summary

To maximise its impact and its visibility, JERICO-S3 relies on three highly interconnected activities and their subsequent plans:

- A comprehensive Communication Plan (Deliverable D10.2).
- An ambitious Dissemination and Exploitation Plan (**DEP**) (this document), identifying the main project results to be disseminated and/or exploited, the dissemination/exploitation objectives, targeted stakeholders, ways of Disseminating/Exploiting and the optimal time for Dissemination/Exploitation.
- A User/stakeholder Engagement Strategy Plan (USP) (Deliverables D9.1 and 9.2), providing a comprehensive list of stakeholders at European level and organized by region and categories.

The DEP, which lies at the core of the impact strategy, is relying on the CP for optimally achieving its objectives and on the USP for reaching out to a broad and appropriate audience.

The JERICO-S3 **DEP** has 4 key aims:

- Engagement with stakeholders and society (e.g., project partners, RI stakeholders, end-user groups)
- Making JERICO-S3 results available for a broad range of stakeholders
- Maximising visibility and the use of JERICO-RI products and services
- Identify Key Exploitable results and plan for their exploitation during and beyond the project lifetime (e.g. Patenting, Commercialisation, Position/Community papers, Best practices)

The dissemination plan (**DP**) is structured through 8 main targets:

- Targets 1 and 2 focus the visibility and impact of the project toward the European and international political agenda related to marine observations and sustainable Blue Growth in coastal regions.
- Targets 3, 4 and 5 aim at disseminating the know-how of the JERICO-RI community in terms of scientific and monitoring strategies, Best Practices and data provision to a wide range of stakeholders
- Target 6 is aimed at promoting the technological innovation developed in the project.
- Targets 7 and 8 address the dissemination effort to be carried out for making the JERICO-S3 Access Services (TA and VA) known and visible, in support to an ambitious TA/VA action plan.

For each target, Key Project Outcomes and their main targeted audience have been identified, through a co-design process with all project partners. A timeline for implementation is suggested and will be revised on a yearly basis.

The Exploitation Pan (**EP**) has been developed through a co-design process with all partners and is structured through four main exploitation targets, i.e. (1) Technological innovations, (2) Services, (3) Best practices and (4) Cooperation agreements. Fourteen Key Exploitable Results (**KER**) has been defined.

All KERs will be developed during the project and exploited during and beyond the lifetime of JERICO-S3.

KERs under Target 1 have a commercial potential. When relevant, IPR and joint exploitation by JERICO-RI partners or in cooperation with sister RIs will be addressed. Specific exploitation agreements will be established between relevant partners, as appropriate, in order to ensure the long-term impact of the JERICO-S3 innovations and know-hows.

1 JERICO-S3 project overview

The JERICO-S3 project aims to bring the JERICO-RI to another level of integration and of relevance for society at large, by adding new innovative infrastructures, while integrating biogeochemical and biological observations in an operational way and increasing its inherent value through cooperation with other providers of coastal observations and information. The overarching target of JERICO-S3 is to provide researchers with continuous and more valuable coastal data and datasets, coupling physical and biological observations and research, as well as extending the cooperation with Marine Infrastructures in Europe (CMEMS, EuroARGO, EMSO, ICOS, EMBRC) and outside Europe (USA, Canada, Australia, New Zealand, ...).

To achieve this overall objective, JERICO-S3 includes **12 high-level objectives** that fall into five main categories: (1) Integrating and improving access to coastal data flow and observatories, and strengthening the coastal community and the services provided for it; (2) Developing and testing innovative monitoring strategies, performing integrated science observation to better address the complexity of coastal systems Innovation and Technology; (3) Promoting harmonisation and seamless interfacing with open-sea and riverine / terrestrial infrastructures; (4) Fostering societal impacts through synergies with European and international initiatives; and (5) Consolidating Strategy and sustainability.

Integrating and improving access to coastal data flow and observatories, and strengthening the coastal community and the services provided for it:

1. Support European coastal research communities by providing **open access** to JERICO-RI observatories and services.
2. Consolidate the JERICO-RI multi-platform coastal observation system, and progress towards its operational implementation
3. Provide **scientifically sound, high quality multidisciplinary datasets** to European marine data portals (EMODnet, SeaDataNet/SeaDataCloud and CMEMS), hence enriching physical, chemical, biological essential ocean variables (EOVs) following an ecological approach for coastal and shelf seas.
4. Strengthen the infrastructure of the European network of coastal observatories as the **coastal component of the future European Ocean Observing System (EOOS)**.

Developing and testing innovative monitoring strategies and technology:

5. Enhance the readiness of new **observing platform networks** by increasing the performance of observing systems in terms of Technology Readiness Levels (TRL), towards sustainable long-term use.
6. Create a step change in the observing system performance by integrating **innovative sensors and technologies**
7. Implement a limited number of **Pilot Supersites** with harmonised, extensive observational capabilities for major European coastal sea regimes
8. Contribute to the emergence and use of key-enabling technologies

Promoting harmonisation and a seamless interface with open sea and riverine/terrestrial infrastructures:

9. Enhancing cooperation with other European world-class marine infrastructures.

Fostering societal impacts through synergies with European and international initiatives:

10. Maximise the visibility and **exploitation** of the JERICO-RI

Strategy and sustainability:

11. Support the emergence of high added-value **services and products** to coastal and shelf seas marine and maritime commercial actors
12. Implement a **governance strategy** for a European Coastal observatory network in line with GEO/GEOSS and Copernicus

2 Aims and objectives of the Dissemination & Exploitation Plan

The JERICO-S3 Dissemination and Exploitation plan has 4 key aims:

- Engagement with stakeholders and society (e.g., project partners, RI stakeholders, end-user groups)
- Making JERICO-S3 results available for a broad range of stakeholders
- Maximising visibility and the use of JERICO-RI products and services
- Identify Key Exploitable results and plan for their exploitation during and beyond the project lifetime (e.g. Patenting, Commercialisation, Position/Community papers, Best practices)

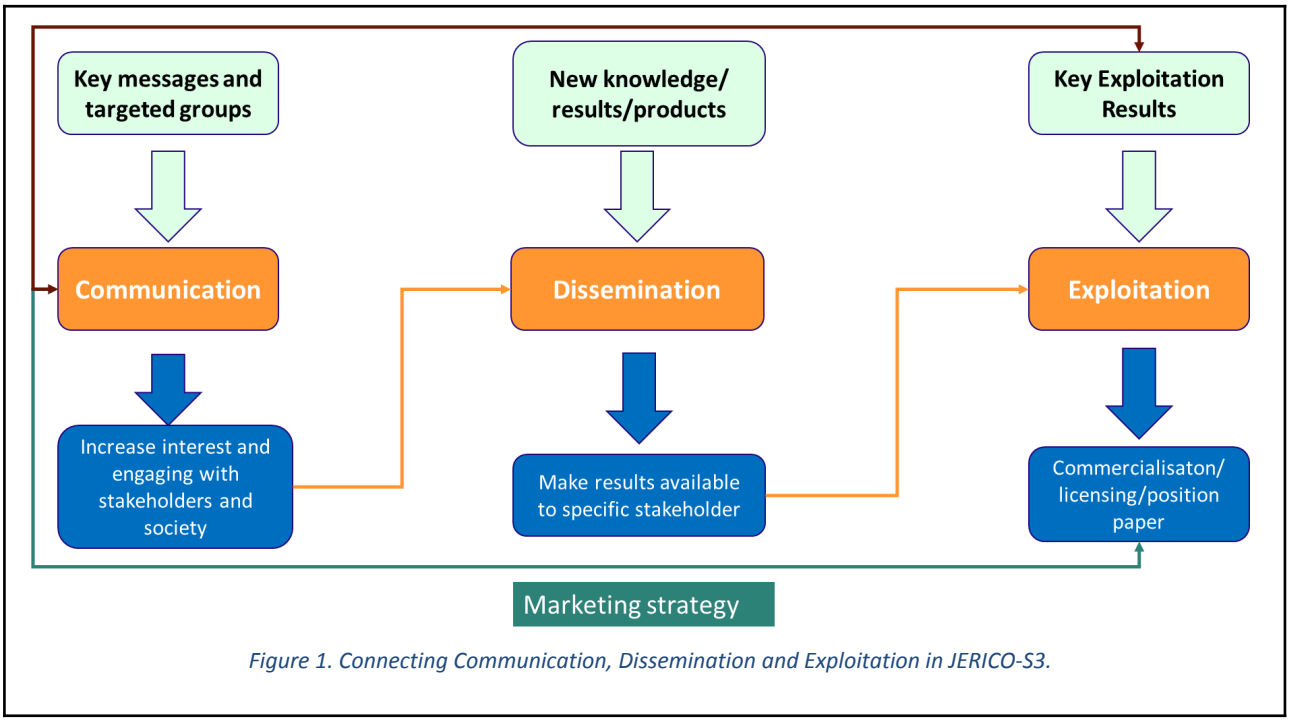

Figure 1. Connecting Communication, Dissemination and Exploitation in JERICO-S3.

The DEP sets out a series of activities and methods to achieve the following key objectives:

To promote and raise awareness of the **JERICO-RI outcomes as new knowledge, best practices, technological innovations, products and services** amongst external stakeholders and potential end-users and to maintain their interest using a variety of 1 and 2-way communication channels.

To promote and raise awareness of the **project's key activities and outputs** including technology innovations, establishment of Pilot Super Sites (PSS) and Integrated Regional Sites (IRS), best practices, access to infrastructure (TA), access to virtual infrastructures (VA), the JERICO e-Infrastructure, workshops, training and events through a variety of communication channels (e.g. website, Social Media, newsletters etc).

To establish effective **internal communication protocols and guidelines** to ensure that all communication and dissemination is delivered in a clear, concise, consistent and timely manner.

3 Dissemination Plan - Impact report

3.1 Dissemination activities and Impacts

Dissemination plays a key role to the achievement of the ambitious goals set by JERICO-S3. While fulfilling the primary aim of open free access to project results and knowledge to a broad community of external (and internal) audiences, JERICO-S3 dissemination activities were essential to boost the engagement in JERICO-RI of the main communities of stakeholders (e.g. EU , national governments) and users (e.g. research community, industry, service providers) as well as to explore and consolidate the complementarities and synergies with other RIs.

To accommodate this complex interaction with diverse key objectives and directed to a broad range of target audiences (identified and described in Deliverable D10.4), an ambitious JERICO-RI Dissemination Plan (DP, was structured on the Dissemination and Exploitation Plan (DEP, Deliverable D10.1) on the basis of 8 main target/types of "Key Project Outcomes" (KPO), described in the table below, that cut across the entire project and work packages. For each one of these Dissemination targets, a number of specific Key Project Outcomes were identified,as well as the correspondent target audiences.

Dissemination targets	
1	Strengthening the JERICO-RI position in the European landscape
2	Reinforcing European competitiveness thanks to the JERICO-RI
3	Scientific strategy & innovative monitoring strategies
4	Best practices
5	High quality coastal datasets
6	Technological innovations
7	Virtual access
8	Trans-national access

Targets 1 and 2 focus the visibility and impact of the project toward the European and international political agenda related to marine observations and sustainable Blue Growth in coastal regions.

Targets 3, 4 and 5 aim at disseminating the know-how of the JERICO-RI community and the progress achieved through the project in terms of Best Practices and data provision to a wide range of stakeholders

Target 6 is aimed at promoting the technological innovation developed in the project, particularly through WP7 and its demonstration (TRL6/7) in WP3, WP4 and WP11.

Targets 7 and 8 address the dissemination effort to be carried out for making the JERICO-S3 Access Services (TA and VA) known and visible, in support of an ambitious TA/VA action plan.

A detailed description of how the different Dissemination activities developed by JERICO-S3 contributed to the different target (main and specific) KPOs is presented in sections 3.2 to 3.9. The information provided in these sections compile the different "Dissemination activities" and "Publications" reported by the project community, allocating each piece of information to the main/specific KPO to which it was directed in priority. In some cases, the same activity could have been contributing in priority to more than one KPO and this is contemplated in the different tables. A quantitative assessment of the overall performance of JERICO-S3 Dissemination is provided in section 3.10, based on a set of Key Performance Indicators (KPIs), that were defined to reflect the essential impacts that project Dissemination should reach and for which target indicators were defined.

Here a synthetic perspective of the impacts of JERICO-S3 Dissemination activities and methods is provided, derived from the detailed information contained in those sections.

An extensive range of dissemination activities were developed by the JERICO-S3 community to achieve the goals stated in target **KPO#1 (Strengthening the JERICO-RI position in the European landscape**). This included, in particular, the co-organization of many events, such as the EOOS Technology Forum (in March 2024 in London, during Oceanology International), and the broad participation of JERICO-S3 in key events where JERICO-RI was presented to the main actors in the research community and decision agencies in Europe. The dialogue and strengthening ties with the different RIs that populate the European landscape of Environmental RIs, particularly those operating in the marine environment, was successfully supported by an important participation of JERICO-S3 partners in the different meetings (e.g. General Assemblies) organized by these different RIs. These activities were fundamental pieces in the process leading to the establishment of a number of agreements with these RIs. The JERICO-RI website played an important role, by providing visibility to joint activities, such as Trans-national Access programs joining JERICO-S3 and other RIs. A particularly important impact of dissemination activities arise from the dedicated meetings with key stakeholders and users, with emphasis on the meetings with national governments. These allow to present JERICO-RI, using different communication materials developed by WP10 (e.g. PowerPoint presentations, brochure, leaflets, roll-ups), playing a central role in the process of assuring Nations commitment to JERICO-RI.

The organization or co-organization of main events dedicated to reach the broad coastal ocean community was the main Dissemination vehicle using by JERICO-S3 to achieve the goal of target **KPO#2 ("Reinforcing European competitiveness thanks to the JERICO-RI"**). These included the AA-COASTNET initiative, in which JERICO-RI appeared as one of the key driver entities, boosted the discussion about the observations of coastal ocean areas in the global Atlantic basin, bringing to this dialogue partners in the US, Canada, South-America and Africa. It also included the important events directed to Citizen Science organized or co-organized by JERICO-S3.

A diversified Dissemination strategy was accomplished during JERICO-S3 to develop the objectives of target **KPO 3 ("Scientific strategy & innovative monitoring strategies")**. The JERICO-RI vision for the long term of coastal ocean observation in Europe as well as the know-how developed by JERICO-S3 in the regional articulation and regional characterization supporting nations (with a particular relevance to the know-how acquired from the Pilot Supersites approach) were both shared with the different communities of users and stakeholders through the organization of workshops (e.g. the session "Coastal Ocean Observing Systems to understand and predict changes of the coastal ocean" held at the ASLO 2021 Conference), an extensive participation in conference and workshops and an important production of published work, both directed to the community of experts in the coastal ocean sciences and technologies but also to the more broad community of users, stakeholders and general public. Dissemination directed to regional and national audiences also broadly explored the website and social media vehicles.

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The same diversified Dissemination mechanisms were implemented by the JERICO-S3 community to attain the goals established for target **KPO 4 ("Best Practices")**. In particular, an efficient sharing of knowledge on Best Practices of coastal ocean observation was accomplished through conductingspecific Training Workshops (more focused on the knowledge exchange within the JERICO-RI community although open to the broad community), and the organization of workshops that gathered a large audience. Also a broad Dissemination through publication was achieved as part of the Dissemination directed to this KPO.

A training webinar was also one of the chosen vehicles to exchange with the overall community the know how acquired by the JERICO community in FAIR data on biochemistry in European marine waters, as part of the Dissemination activities directed to the target **KPO5 ("High quality coastal datasets"**). The exchange of know-how on JERICO FAIR data was also accomplished through the participation in conferences and in publications directed to the community of experts in marine sciences and technology.

Dissemination activities were also successful in informing and transferring know-how to the research community, industry and major stakeholders about the step-changing in observing systems for the coastal ocean domain achieved by JERICO-S3 through a broad range of technological developments (main target **KPO 6 "Technological Developments"**. This was accomplished, in particular, through publications, targeted not only to experts in the field but also to the general public and through the participation of JERICO-S3 partners in key events in which these achievements were presented to a broad audience.

JERICO-S3 Dissemination played a key role in supporting the emergence of high added-value services and products to coastal and shelf seas marine and maritime commercial actors. The website and social media channels were the chosen vehicles to disseminate, to the broad community, the JERICO developments in the **Virtual Access** (main target **KPO 7**) and **Trans-national Access (KPO 8)** services. Campaigns, directed to highlight the different aspects of the services offered and to share the success stories from the users of those services, boosted the interest of the community of potential interest users in Europe.

The quantitative evaluation of the JERICO-S3 Dissemination performance, developed in section 3.10, is based on a set of KPIs for Dissemination that cover the key aspects of Dissemination activities developed by the project. For each KPI, a target value was assumed, based on the expected performance that would allow the project Dissemination activities to meet the goals established in each KPO. In some of the cases, relatively high target values were considered, reflecting the high expectations on the potential of JERICO-S3 in boosting an extensive Dissemination of knowledge and results, among a broad range of target audiences.

The achievements of the dissemination actions, reported in section 3.10, show that the JERICO-S3 community exceeded the planned ambitious goals. JERICO-RI integrates many and complex aspects related to the coastal ocean, an area of the marine environment that resonates strongly in many different communities. These aspects potentiate a diversified range of Dissemination activities, used by JERICO-RI to meet the large and persistent interest from the different key target audiences.

3.2 KPO#1: Strengthening JERICO-RI position in the European landscape

The first Dissemination target that was proposed in the DP is related to strengthening the position of the JERICO-RI in the European RI landscape.

Initially integrating seven specific Key Project Outcomes to be shared and disseminated (D10.1), the development of the project activities in interaction with the different actors of the European-RI landscape led to the final definition of the 8 specific KPOs indicated in table 1a. These relate to JERICO-RI views and contribution to establishing the EOOS, formal cooperation agreement with sister RIs, and the progress in engaging the nations in the JERICO-RI process towards long-term sustainability. The development of the interactions with the different sister RIs also led to a redefinition of the four specific KPOs in which Result 1.2 is developed, by regards to what was initially proposed in D10.1 .

Table 1a. Main Dissemination Target #1 and the associated specific Key Project Outcomes (KPOs) - adapted from D10.1

Key Project Outcome	WP	Related Del.	Lead partner	Objective for dissemination	Dissemination - Targeted groups	Priority (from 1 to 3)	Kick-off of the action
Result 1.1: Coastal component of EOOS/JERICO-RI	WP9	D6.2/ D9.6	IFREMER	Making the progress in JERICO at the disposal of the organisations working on establishing EOOS and the Green Deal Digital Ocean Twin	EMB, EuroGOOS, DG-research, DG-Mare, CMEMS	**1**	Continuously **adapting to EOOS agenda**
Result 1.2 Cooperation Agreement with key RIs	WP2	D2.1/ D9.6	IFREMER	Making JERICO's position in the RI landscape clear and unquestionable - Initiating new collaborations between RIs. Contributing to the elaboration of the EOOS	The EC, ESFRI, EuroGOOS, EMB	**1**	**M6**

Result 1.2a Cooperation Agreement with DANUBIUS	WP2	D2.1/ D9.6	IFREMER/CNR/ HZG	Making JERICO's position in the RI landscape clear and unquestionable - Initiating new collaborations	DANUBIUS, ESFRI, EuroGOOS, EMB		M6 (MS6)
Result 1.2b Agreement with EMBRC	WP2	D9.6	IFREMER/SYKE/ NORCE	Making JERICO's positioning in the RI landscape clear and unquestionable - Initiating new collaborations	EMBRC, ESFRI, EuroGOOS, EMB		M6 (MS6)
Result 1.2c Agreement with EMSO-ERIC	WP2	D9.6	IFREMER	Making JERICO's positioning in the RI landscape clear and unquestionable - Initiating new collaborations	EMSO-ERIC, ESFRI, EuroGOOS, BEM		M6
Result 1.2d Agreement with ICOS-OTC	WP2	D9.6	IFREMER/ NORCE	Making JERICO's positioning in the RI landscape clear and unquestionable - Initiating new collaborations	ICOS-OTC, ESFRI, EuroGOOS, BEM		M6
Result 1.3 Collaboration with Lifewatch, EMBRC, eLTER, EuroArgo, AQUACOSM, GROOM	WP2		IFREMER	Making the progress in JERICO at the disposal of other RIs. Fostering collaborations btw RIs - Demonstrating value for money regarding RIs funding	Lifewatch, eLTER, EuroArgo, AQUACOSM, GROOM	2	**M8**
Result 1.4 Contribution in ENVRI	WP9/WP2	D9.6	IFREMER	Strengthening JERICO-RI position in ENVRI. Making the progress in JERICO at the disposal of ENVRI	ENVRI	3	**M24**
Result 1.5 Partnership with CMEMS, ESA and EUMEDSAT	WP2	D2.2	COVARTEC	Elaborating fit-for-purpose products (in collaboration with CMEMS?) - Promoting of this products/service towards different communities, commercialization protection/IPR, start-ups	CMEMS, ESA, EUMEDSAT, DG-MARE	2	**M12 (MS9)**

Result 1.6 RI Design (organisation, structure, governance)	WP9	D9.4/ D9.5	IFREMER	Making the progress on JERICO's governance at the disposal of relevant stakeholders (EuroGOOS, EMB, CMEMS, other RIs)	Other RIs, EuroGOOS, EMB	3	**M24** (MS48)
Result 1.7 Nations' commitment	WP9	D9.7	IFREMER	Making JERICO's positioning in Member states clear and unquestionable - Initiating new collaborations btw countries	*Need to be discussed within WP9*	1	**M8** – in synergy with JERICO-DS project
Result 1.8 Partnership with EOSC (Blue Cloud)				Fostering collaboration btw JERICO-RI and Blue-Cloud Elaborating fit-for-purpose products (in collaboration with CM	Blue-Cloud	1	

Table 1b. Dissemination Activities developed in JERICO-S3 to meet the objectives of Dissemination Target #1 and the associated specific Key Project Outcomes (KPOs)

Key Project Outcome	Type of Action	Lead partner	Designation	Local, audience, target audience	Date
Result 1.1: Coastal component of EOOS/JERICO-RI	Participation to a Conference/Workshop	IFREMER	JERICO-RI presentation - EOOS Operation committee meeting	Online, 75 participants, Scientific Community (higher education Research)	15 September 2021

	Participation to a Conference/Workshop	MI	9th EuroGOOS International Conference 2021: Presentation: Stronger Together: Developing the framework for a sustainable National Research Infrastructure EirOOS (Irish Ocean Observing System) as an effective component of the European Ocean Observing System (EOOS)	Online (Virtual), 50 participants, Scientific Community (higher education Research)	3-5 May 2022
	participation to an event other than a conference or workshop	IFREMER	JERICO-RI presentation - EuroSea general assembly - January 2021	Online, 60 participants, Scientific Community (higher education Research)	17 January 2021
	Other	IFREMER	DG MARE Consultation on Ocean observation – sharing responsibility - JERICO-RI contribution	Online (Web), Policy Makers	February 2021
	participation to an event other than a conference or workshop	IFREMER	JERICO etoile de l'europe. Farcy, Puillat, Delauney	Online (Virtual), 150 participants Policy makers	16 December 2021
	Participation to a Conference/Workshop	IFREMER	EUROGOOS Conference - Cooperation between RIs	Virtual (Brussels), 50 participants Scientific Community	5 May 2021
	Participation to a Conference/Workshop	IFREMER	EUROGOOS Conference - JERICO-S3 / JERICO-RI presentation	Virtual (Brussels), 80 participants Scientific Community	5 May 2021
	Participation in activities organized jointly with other H2020 projects	IFREMER	EUROSEA EU project General Assembly - JERICO-S3 / JERICO-RI presentation	Online (Virtual), 70 participants, Scientific Community (higher education Research)	20 January 2021
	Participation to a Conference/Workshop	PLOCAN	Delory, E. (2020). Critical technologies. EOOS Technology Forum, Preparing Europe for the Digital Ocean Paradigm, Seatechweek Conference.	Online (Virtual) Scientific Community (higher education Research)	2020

	Non-scientific and non-peer-reviewed publication (popularized publication)	BLIT	JERICO-RI May 2022 External Newsletter	Online, audience: 359 Scientific Community (higher education Research)	May2022
	Website	BLIT	Continued updating of the JERICO RI and project website to provide the project information for partners and the latest news, events, activities, products and services to user groups (jerico-ri.eu)	Online, Audience: 25087 General Public	Feb 2020 - Jun 2021
	Social Media	BLIT	Actively promoting the JERICO RI and JERICO S3 project via Twitter @JERICORI	Online, Audience: 2633 General Public	Feb 2020 - Jun 2021
	Social Media	BLIT	Actively promoting the JERICO RI and JERICO S3 project via Facebook @JERICORI	Online, Audience: 212 General Public	Feb 2020 - Jun 2021
	Social Media	BLIT	Jerico RI You-tube channel - 12 videos, over 700 views, 12 subscribers	Online, Audience: 700 General Public	Feb 2020 - Jun 2021
	Website	BLIT	During period 2, the website has been regularly updated with the latest news (33 posts), events (25 events), deliverables, TA and VA services, and project information.	Online, Audience: 34000 General Public	July 2021 - Jan2023
	Social Media	BLIT	Facebook: The Facebook page has posted around 150 status updates during period 2.	Online, Audience: 350 General Public	July 2021 - Jan2023
	Social Media	BLIT	Twitter: @JERICORI has posted around 150 tweets during months 18-36 of the JERICO-S3 project	Online, Audience: 2872 General Public	July 2021 - Jan2023
	Website	SOCIB	Expanding Europe's ocean observing and forecasting capacity: SOCIB at the 9th EuroGOOS International Conference	Online, audience: 42 General Public	05 May 2021

			https://socib.es/index.php?seccion=detalle_noticia&id_noticia=469		
	Website	SOCIB	SOCIB actively participated in the EGU General Assembly 2021 https://www.socib.es/index.php?seccion=detalle_noticia&id_noticia=467	Online, audience: 44 General Public	30 April 2021
Result 1.2 Cooperation Agreement with key RIs					
Result 1.2a Cooperation Agreement with DANUBIUS	participation to an event other than a conference or workshop	Cefas	Presentation of JERICO-S3 activities in a meeting with the UK node of Danubius.	Scientific Community (higher education Research)	25 of May 2021.
Result 1.2b Agreement with EMBRC	Website	HCMR, NIVA, SYKE, CNRS-MIO	In the Cretan Sea PSS, JERICO-S3 collaborates with EMBRC to complement data series at the Eastern Mediterranean EMO BON observatory and study the effect of extreme events on phytoplankton productivity	Online, JERICO S3 website Scientific Community (higher education Research)	17 January 2023
	Website	HCMR, NIVA, SYKE, CNRS-MIO	Collaboration JERICO-S3 and EMBRC via the Cretan Sea PSS	Online, POSEIDON website up to 2 million General Public	22 February 2022
	Website	HCMR, NIVA, SYKE, CNRS-MIO	In the Cretan Sea PSS, JERICO-S3 collaborates with EMBRC to complement data series at the Eastern Mediterranean EMO BON observatory and study the effect of extreme events on phytoplankton productivity	Online, HCMR/IMBBC website General Public	17 January 2023

Result 1.2c Agreement with EMSO-ERIC	Participation to a Conference/Workshop	CNR	JRU EMSO-Italia: Verso una visione 4-D dell'oceano: sinergie e integrazione delle iniziative italiane (workshop organized by the EMSO Joint Research Unit with presentation of marine related Research Infrastructures and discussion on long term plan for synergy of national initiatives towards a 4-D vision of the ocean. Policy makers were invited)	Italy, 50 participants, Scientific Community (higher education Research)	06 October 2021
Result 1.2d Agreement with ICOS-OTC	Participation to a Conference/Workshop	HCMR	2021 ICOS OTC pCO2 instrument inter-comparison	Oostende, Belgium, 50 participants Scientific Community (higher education Research)	28 June-11 July 2021
	Publication in Conference Proceedings	HCMR, NIVA, SYKE, CNRS-MIO	Stamataki N., Frangoulis C., Pettas M., Giannoudi L., Tsiaras K., Christodoulaki S., King A., Seppälä J., Thyssen M., Kouvarakis G., Kalivitis N., Mihalopoulos N., Ramonet M., Delmotte V.M., Kanakidou M., Petihakis G., 2022. Study of pH and CO2 variability in the Eastern Mediterranean Sea combining in situ, remote sensing and numerical modelling	5th ICOS Science Conference, Ultrech, NL & Online, 13-15 September 2022. Book of Abstracts https://www.icos-cp.eu/sites/default/files/2022-09/Book%20of%20Abstracts_V4.pdf	2022
	Website	SYKE,FMI	https://www.finmari-infrastructure.fi/international-co-operation/	Scientific Community (higher education Research)	2020
Result 1.3 Collaboration with Lifewatch, AQUACOSM, eLTER, EuroArgo, GROOM	Participation to a Conference/Workshop	IFREMER	JERICO-RI presentation - ERIs Symposium - Metz France - 23rd-25th November 2022 (Organized by LifeWatch ERIC)	Metz-France, 60 participants, Scientific Community (higher education Research	24 November 2022

	Participation in activities organized jointly with other H2020 projects	IFREMER	INTAROS EU project General Assembly - JERICO-S3 / JERICO-RI presentation	Online (Virtual), 30 participants, Scientific Community (higher education Research)	4 February 2021
	Participation in activities organized jointly with other H2020 projects	IFREMER	JERICO-RI Joint European Research .... Aquacosm workshop	Online (Virtual), 50 participants, Scientific Community (higher education Research)	16 April 2021
	Website	BLIT	AQUACOSM TA call on MEDIMEER Infrastructure, publicized in JERICO-RI website https://www.jerico-ri.eu/2021/02/17/aquacosm-plus-call-for-transnational-access-on-the-medimeer-infrastructure/	JERICO-RI website Scientific Community (higher education Research)	17 February 2021
	Website	BLIT CNR-ISMAR	Publicizing synergies JERICO-S3, AQUACOSM-plus associated with MEDIMEER infrstructure and AQUACOSM TA. https://www.jerico-ri.eu/2021/06/03/marine-plankton-community-responses-to-terrestrial-dissolved-organic-matter-input-realising-by-cnrs-marbec-on-medimeer-infrastructure/	JERICO-RI website Scientific Community (higher education Research)	3 June 2021
	Website	BLIT	Publicizing AQUACOSM 2nd TA call on MEDIMEER Infrastructure, publicized in JERICO-RI website https://www.jerico-ri.eu/2022/01/25/apply-now-for-funding-for-mesocosm-experiments-on-the-cnrs-medimer-infrastructure-france-in-2022-under-the-aquacosm-plus-transnational-access-ta-call/	JERICO-RI website Scientific Community (higher education Research)	25 January 2022

	Social Media	IH SYKE CNR HCMR,	Publicizing 'Joint JERICO-S3 and AQUACOSM-plus study on Baltic Sea heatwaves' JS3 TA project. https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_ta-jericoabrs3-aquacosm-activity-7032021536970547200-LOtp?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn, 755 impressions Scientific Community (Higher Education, Research)	2022
	Participation in activities organized jointly with other H2020 projects	IFREMER	JERICO-RI presentation and GROOM interconnection. GROOM II General assembly, Paris , 17-18th February 2022	Paris, 40 participants, Scientific Community (higher education Research)	17 February 2022
	Participation in activities organized jointly with other H2020 projects	IFREMER	JERICO-RI Joint European REsearch : GROOM II Kick Off meeting	Online (Virtual) , 45 participants Scientific Community (higher education Research)	4 February 2021
	Participation to a Conference/Workshop	IFREMER	Eurofleet Workshop	Virtual(Online), 80 participants Scientific Community (higher education Research)	13 April 2021
	Participation to a Conference/Workshop	NIVA	H2020 MARINA project workshop	Virtual (Online), 15 participants Scientific Community (higher education Research)	8 Mars 2021
Result 1.4 Contribution in ENVRI		IFREMER	Strengthening JERICO-RI position in ENVRI. Making the progress in JERICO at the disposal of ENVRI	ENVRI	
Result 1.5 Partnership with CMEMS, ESA and EUMEDSAT	Participation to a Conference/Workshop	IH	Lamas L., Lima V., Martins I., Barroqueiro T., Nunes P., 2024 "The potential of the Portuguese Coastal Monitoring Network (MONIZEE) as a validation source for ocean products". Poster at the International Conference on Marine Data and Information Systems (IMDIS) 2024.	Bergen (Norway), Hybrid 190 participants Scientific Community (higher education Research)	27-29 May 2024

	Publication in Conference Proceedings	IH	Lamas L., Lima V., Martins I., Barroqueiro T., Nunes P., 2024 The potential of the Portuguese Coastal Monitoring Network (MONIZEE) as a validation source for ocean products	International Conference on Marine Data and Information Systems - Proceedings Volume, IMDIS 2024, Bergen (Norway), 27-29 May 2024, Misc.INGV, 80:1-398. Pp 188-190. https://doi.org/10.13127/misc/80	27-29 May 2024
	Publication in Conference/Workshops Proceedings	HCMR, NIVA, SYKE, CNRS-MIO	Stamataki N., Frangoulis C., Pettas M., Giannoudi L., Tsiaras K., Christodoulaki S., King A., Seppälä J., Thyssen M., Petihakis G., 2022. "In situ monitoring of Carbonate System Variables in the Eastern Mediterranean to validate Regional Algorithms, Remote Sensing and Model Products."	Ocean Carbon from Space Workshop https://oceancarbonfromspace2022.esa.int/iframe-agenda/files/Contribution_146_final_extabs.pdf Scientific Community (higher education Research)	14-18 February 2022
			Stamataki N., Frangoulis C., Pettas M., Giannoudi L., Tsiaras K., Christodoulaki S., King A., Seppälä J., Thyssen M., Ballas D., Pagonis P., Perivoliotis L., Triantafyllou G., Petihakis G., 2022 Study of pH and CO2 variability in the Eastern Mediterranean Sea combining in situ, remote sensing and numerical modelling	Global Climate Observing System (GCOS). 2nd GCOS CLIMATE OBSERVATION CONFERENCE – Conference report. Darmstadt, Germany 17-19 October 2022. GCOS-249, World Meteorological Organization (WMO): Geneva, 2023 , Pp 56-57	
Result 1.6 RI Design (organisation, structure, governance)	Participation to a Conference/Workshop	IFREMER	JERICO-RI presentation - EuroGOOS NOOS annual meeting - 14-16 Sept 2022	Online, 40 participants Scientific Community (higher education Research)	14 September 2022
	participation to an event other than a conference or workshop	IFREMER	JERICO-RI Presentation - EuroGOOS Fix Platform general assembly - 05 april 2023	Online, 30 participants Scientific Community (higher education Research)	05 April 2023

	participation to an event other than a conference or workshop	IFREMER	JERICO-RI presentation in the Marine domain landscape. EuroGOOS general assembly, May 2022	Online, 80 participants, Scientific Community (higher education Research)	23 May 2022
	Other	BLIT	JERICO-DAYS Posters and Banners: 11 thematic posters and banners highlighting aspects of the JERICO-RI. Presented at JERICO-WEEK meeting (Lisbon -Portugal) and available on the website	Online, Audience: 75 Scientific Community (higher education Research)	June 2022
Result 1.7 Nations' commitment	Other	SYKE	Presenting the JERICO-FI concept to Finnish Ministry of Environment representatives	Online, 3 participants, Policy Makers	24 May 2021
	Other	IH	Meeting with ESFRI National Delegate to update about JERICO-RI	In person, 1 participant Policy Makers	October 2023
	Other	IH	Meeting with a group of national institutions involved in coastal ocean observation to prepare a manifestation of interest to include MONIZEE infrastructure in the national roadmap.	Online, 12 participants Scientific Community (higher education Research)	2021
	Organizing a Conference/Workshop	Deltares	Workshop with national community involved in coastal ocean observation	25 participantes Scientific Community (higher education Research), Industry, Policy Makers	2021
	Organizing a Conference/Workshop	Deltares	Workshop with national community involved in coastal ocean observation	25 participantes Scientific Community (higher education Research), Industry, Policy Makers	2022
	Other	IFREMER	CIO-E meetings with the French Ministry of Research and directors of organisations involved in coastal observation in Europe	Policy Makers, Scientific Community (higher education Research)	2020
	Other	IFREMER	CIO-E meetings with the French Ministry of Research and directors of organisations involved in coastal observation in Europe	Policy Makers, Scientific Community (higher education Research)	2021

	Other	IFREMER	CIO-E meetings with the French Ministry of Research and directors of organisations involved in coastal observation in Europe	Policy Makers, Scientific Community (higher education Research)	2022
	Other	IFREMER	CIO-E meetings with the French Ministry of Research and directors of organisations involved in coastal observation in Europe	Policy Makers, Scientific Community (higher education Research)	2022
	Other	IFREMER	CIO-E meetings with the French Ministry of Research and directors of organisations involved in coastal observation in Europe	Policy Makers, Scientific Community (higher education Research)	2023
	Other	RBINS	Meeting with the Federal State Secretary in charge of research and the responsible for ESFRI in Belgium	Policy Makers, Scientific Community (higher education Research)	2023
	Organizing a Conference/Workshop	SMHI	National Workshop with national RIs and Funding Agencies	Policy Makers, Scientific Community (higher education Research)	2022
	Organizing a Conference/Workshop	AZTI	Workshop with institutions working on the Bay of Biscay	Irun (Spain) 11 participants Scientific Community (higher education Research)	December 2021
	Other	RWS, Deltares	Combined RWS-Deltares presentation (incl discussion) of added value of Jerico-RI for Policy makers of the ministry	Virtual (Online), 10 participants Policy Makers	9 July 2020
	Participation to a Conference/Workshop	IFREMER	JERICO-RI presentation - Ecole thématique CNRS - Univ d'été IFQM -	Virtual (Online), Bordeaux (France) , 40 participants Scientific Community (higher education Research)	18 July 2022
	Website	BLIT	Continued updating of the JERICO RI and project website to provide the project information for partners and the latest news, events, activities, products and services to user groups (jerico-ri.eu)	Online, Audience: 25087 General Public	Feb 2020 - Jun 2021

	Social Media	BLIT	Actively promoting the JERICO RI and JERICO S3 project via Twitter @JERICORI	Online, Audience: 2633 General Public	Feb 2020 - Jun 2021
	Social Media	BLIT	Actively promtoing the JERICO RI and JERICO S3 project via Facebook @JERICORI	Online, Audience: 212 General Public	Feb 2020 - Jun 2021
	Social Media	BLIT	Jerico RI You-tube channel - 12 videos, over 700 views, 12 subscribers	Online, Audience: 700 General Public	Feb 2020 - Jun 2021
	Website	BLIT	During period 2, the website has been regularly updated with the latest news (33 posts), events (25 events), deliverables, TA and VA services, and project information.	Online, Audience: 34000 General Public	July 2021-Jan 2023
	Social Media	BLIT	Facebook: The Facebook page has posted around 150 status updates during period 2.	Online, Audience: 350 General Public	July 2021-Jan 2023
	Social Media	BLIT	Twitter: @JERICORI has posted around 150 tweets during months 18-36 of the JERICO-S3 project	Online, Audience: 2872 General Public	July 2021-Jan 2023
	Other	CNR	School lessons, project "L'ACQUA IN UN OCEANO DI APPRENDIMENTI, SENSAZIONI ED EMOZIONI" ; project leader M.Ravaioli &L.Capotondi	Virtual (Online) Other	2020
	Participation in event other than conference/workshop		Journées SEXTANT - JERICO usage of the SEXTAN Mapping system - JERICO-S3 / JERICO-RI presentation	Brest(France), 30 participants Scientific Community (higher education Research)	June 2021
	Training	UPC	Outreach activity with secondary school students: photos https://photos.google.com/share/AF1QipPf8ZKgK-pT7vz91Hhi4YK5MpwdVlZ6X0_70y58TKOA8dTCKvdtkMb-zIcHzaGgyg?key=VmdYN3dCYjNLZkFrdW5NMmQ3RGpHdHN2TXpfaFl3	UPC facilities. 60 participants General Public	11-13 May 2021

	Other	TalTech	Presentation about JERICO activities for the Ministry of Environment	Virtual (Online), 10 participants Policy Makers	8 April 2021
Result 1.8 Partnership with EOSC (Blue Cloud)	Participation to a Conference/Workshop	IFREMER	JERICO-RI and blue cloud interconnection - Blue Cloud conference, Brussels, 7th-9th Dec 2022	Brussels-Belgium, 80 participant Scientific Community (higher education Research)	8 December 2022
	Participation in activities organized jointly with other H2020 projects	IFREMER	BlueCloud Cooperation - JERICO-S3 / JERICO-RI presentation and participation to the WS	Virtual, 20 participants, Scientific Community (higher education Research)	6 June 2021

3.3 KPO#2: Reinforcing European competitiveness thanks to JERICO-RI

The second dissemination target aims at maximising the impact of the JERICO-S3 results on international cooperation, visibility of European excellence on coastal observations, and information for policymaking.

Five main KOPs have been identified. Results 2.1 -2.3 targets international cooperation

Table 2a. Main Dissemination Target #2 and the associated specific Key Project Outcomes (KPOs) - from D10.1

Project Outcome identification name	WP	Related Del.	Lead partner	Objective for dissemination	Dissemination - Targeted groups	Priority (from 1 to 3)	Kick-off of the action
Result 2.1 - Joint international activities - USA/Canada - best practices	WP2/WP5	D2.4	HZG/ IFREMER	Making JERICO's expertise and know-how available (Cooperation with iOOS, Neptune)	iOOS, Network Canada	1	**M24**
Result 2.2 - Joint international activities - Black Sea - Best practices - joint observation/monitoring	WP2/WP5	D2.4	HZG/ IFREMER	Making JERICO's expertise and know-how available (Eastern European countries, DANUBIUS)	Coastal research communities bordering the Black Sea	3	**M24**

Result 2.3 - Joint international activities - North Africa - Best practices - joint observation/monitoring	WP2	D2.4	HZG/ IFREMER	Making JERICO's expertise and know-how available (Med Sea)	Coastal research communities and environment protection agencies on the south coast of the Med Sea	3	**M18**
Result 2.4 - Information to policies	WP2	D2.5	RWS/ EuroGOOS	Making JERICO's expertise and know-how available to policymakers	EMB, DG-MARE, Regional/local policy makers	1	**Continuously from M12**
Result 2.5 - Citizen science (incl. Report of coastal citizen science adoption options and harmonisation)	WP2/WP6	D6.11	MARIS	Making citizen science associations aware of JERICO and interested in collaboration	Citizen science Associations	2	**M9 (MS31)**

Table 2b. Dissemination Activities developed in JERICO-S3 to meet the objectives of Dissemination Target #2 and the associated specific Key Project Outcomes (KPOs)

Key Project Outcome	Type of Action	Lead partner	Designation and details	Local, audience, target audience, topics	Date, Links
Result 2.1 - Joint international activities - USA/Canada - best practices	Participation to a Conference/Workshop	IFREMER	Workshop AA-COASTNET All Atlantic COASTal observing and technology NETwork. Side-event of the All-Atlantic Ocean Research Alliance 2022 Forum Scientific Event. Chaired by: Moacyr Araujo (DOCEAN/UFPE) and Laurent Delauney (Ifremer/JERICO-RI) Announcement	Online, 75 participants Scientific Community (higher education Research)	7th June 2022
	Organization of a Conference/Workshop	IFREMER	ALL ATLANTIC 2021 conference AA_COASTNET WS - WS organised by JERICO_RI as coordinator of the AA COASTNET network	Virtual, 80 participants Policy makers	2nd June 2021
	Participation to a Conference/Workshop	IFREMER	AANCHOR Synergie WS - JERICO-S3 / JERICO-RI presentation and participation to the WS	Virtual, 80 participants Policy makers	10 set 2020
	Participation in activities organized jointly with other H2020 projects	IFREMER	AANChOR Workshop - Convergence and alignment of R&I infrastructures initiatives - JERICO-S3 / JERICO-RI presentation and participation to the WS	Bruxelles, 40 participants Policy makers	05/02/2020
	Participation to a Conference/Workshop	IH	Presentation (10') in the Coastal Observation" session of the All-Atlantic Summit: the 6th High-Level Industry-Science-Government Dialogue on Atlantic Interactions	Web Scientific Community (higher education Research)	08/10/2020

	Participation to a Conference/Workshop	VLIZ	First I/ITAPINA (Imagine/Imaging the Atlantic - a Pelagic Imaging Network Approach) workshop https://www.oceanbestpractices.org/projects/	Online, 50 participants, Scientific Community (higher education Research)	28-29 June 2021
	Participation to a Conference/Workshop	IOW	Presentation at the Ocean Science in San Diego; Carbon observation in the Baltic	Scientific Community (higher education Research)	2020
	Organization of a Conference/Workshop	NIVA	UN Ocean Decade Laboratory: "An Inspiring and Engaging Ocean", workshop "Scientists for Ocean Literacy"	Virtual (Online), 50 participants Scientific Community (higher education Research)	8 July 2021
	Participation to a Conference/Workshop	IFREMER	ILICO /COAST HF - COCAS network - JERICO-S3 / JERICO-RI presentation	Paris (Virtual), 70 participants Scientific Community (higher education Research)	23 November 2020
Result 2.2 - Joint international activities - Black Sea - Best practices - joint observation/monitoring					
Result 2.3 - Joint international activities - North Africa - Best practices - joint observation/monitoring	Participation to a Conference/Workshop	IFREMER	Workshop AA-COASTNET All Atlantic COASTal observing and technology NETwork. Side-event of the All-Atlantic Ocean Research Alliance 2022 Forum Scientific Event. Chaired by: Moacyr Araujo (DOCEAN/UFPE) and Laurent Delauney (Ifremer/JERICO-RI) Announcement	Online, 75 participants Scientific Community (higher education Research)	7th June 2022

	Organization of a Conference/Workshop	IFREMER	ALL ATLANTIC 2021 conference AA_COASTNET WS - WS organised by JERICO_RI as coordinator of the AA COASTNET network	Virtual, 80 participants Policy makers	2nd jun 2021
	Participation to a Conference/Workshop	IFREMER	AANCHOR Synergie WS - JERICO-S3 / JERICO-RI presentation and participation to the WS	Virtual, 80 participants Policy makers	10 set 2020
	Participation in activities organized jointly with other H2020 projects	IFREMER	AANChOR Workshop - Convergence and alignment of R&I infrastructures initiatives - JERICO-S3 / JERICO-RI presentation and participation to the WS	Bruxelles, 40 participants Policy makers	05/02/2020
	Participation to a Conference/Workshop	IH	Presentation (10') in the Coastal Observation" session of the All-Atlantic Summit: the 6th High-Level Industry-Science-Government Dialogue on Atlantic Interactions	Web Scientific Community (higher education Research)	08/10/2020
	Participation to a Conference/Workshop	VLIZ	First I/ITAPINA (Imagine/Imaging the Atlantic - a Pelagic Imaging Network Approach) workshop https://www.oceanbestpractices.org/projects/	Online, 50 participants, Scientific Community (higher education Research)	28-29 June 2021
Result 2.4 - Information to policies	Organization of a Conference/Workshop	IFREMER	ALL ATLANTIC 2021 conference AA_COASTNET WS - WS organised by JERICO_RI as coordinator of the AA COASTNET network	Virtual, 80 participants Policy makers	2nd jun 2021
	Participation to a Conference/Workshop	IFREMER	AANCHOR Synergie WS - JERICO-S3 / JERICO-RI presentation and participation to the WS	Virtual, 80 participants Policy makers	10 set 2020
	Participation in activities organized jointly with other H2020 projects	IFREMER	AANChOR Workshop - Convergence and alignment of R&I infrastructures initiatives - JERICO-S3 / JERICO-RI presentation and participation to the WS	Bruxelles, 40 participants Policy makers	05/02/2020
	Participation to a Conference/Workshop	IFREMER	JERICO-RI booth at the European Maritime Days 2023 Brest	Brest, 300 participants Policy Makers, Industry, Civil Society, Scientific Community (Higher Education, Research)	24-25 May 2024

	Participation to a Conference/Workshop	IFREMER	Participation of JERICO-S3 coordinator in panel of discussions during European Maritime Days 2023 Brest	Brest, 300 participants Policy Makers, Industry, Civil Society, Scientific Community (Higher Education, Research)	24-25 May 2024
	Video/Film	MI	UN Ocean Decade Virtual Early Career Ocean Professionals Conference https://vecop.vfairs.com/ https://www.youtube.com/watch?v=9cinXjrj-5M	Virtual (Online), 100 Participants General Public	01 June 2021
	Participation to an event other than a conference or workshop	IH	"*Citizen science and the engagement of non-scientific communities*", presentation by J.Vitorino in the segment "*International cooperation and coordination in advancing ocean observing and addressing related challenges*" of the Twenty-Second Meeting of the United Nations Open-ended Informal Consultative Process on Oceans and the Law of the Sea (6-10 June 2022),	United Nations Headquarters, New York (USA), 50 participants Policy Makers	8 June 2022
Result 2.5 - Citizen science (incl. Report of coastal citizen science adoption options and harmonisation)	Organization and Participation to a Conference/Workshop	IFREMER	Cost effective technology and citizen science for coastal Ocean Announcement	Brest, France, Hybrid, 30 participants Scientific Community (higher education Research)	13 – 15 November 2023,
	Co-organization and Participation to a Conference/Workshop	IFREMER EuroGOOS	EOOS Technology Forum "Catching the momentum in ocean observing technology: optimising value and data provision" Side-event of Oceanology International, London Announcement , News	London (UK), In-person, 60 participants Scientific Community (higher education Research), Industry and stakeholders	13 March 2024,
	Co-organization and Participation to a Conference/Workshop	IFREMER/ SMHI	Technologies in Sustainable Ocean Observations – From Low Cost to New Technology Development Side-event of Ocean Decade Barcelona Announcement	In-person Scientific Community (higher education Research), Industry and stakeholders	9 April 2024

	Participation to a Conference/Workshop	MARIS	EMODNet Jamboree: Citizen Science session Link	Web, 50 participants Scientific Community (higher education Research)	18/6/2021
	Participation to an event other than a conference or workshop	IH	"*Citizen science and the engagement of non-scientific communities*", presentation by J.Vitorino in the segment "*International cooperation and coordination in advancing ocean observing and addressing related challenges*" of the Twenty-Second Meeting of the United Nations Open-ended Informal Consultative Process on Oceans and the Law of the Sea (6-10 June 2022),	United Nations Headquarters, New York (USA), 50 participants Policy Makers	8 June 2022

3.4 KPO#3: Scientific strategy & innovative monitoring strategies

The third dissemination target aims at sharing the vision and strategy of the JERICO-RI community on coastal observations to all relevant stakeholders. The dissemination main results are organised as two KPOs

Table 3a. Main Dissemination Target #3 and the associated specific Key Project Outcomes (KPOs) - from D10.1

Project Outcome identification name	WP	Related Del.	Lead partner	Objective for dissemination	Dissemination - Targeted groups	Priority (from 1 to 3)	Kick-off of the action
Result 3.1 - Long-term European vision & strategy (incl. science strategy)	WP1, WP3, WP4	D1.5	CNRS	To share knowledge with authorities in charge of national and European ocean monitoring.	Policymakers, authorities, Environmental stakeholders, End users from research EEA, OSPAR, HELCOM, Other RIs (AQUACOSM, DANUBIUS, ICOS, EMSO)	1	**M6** based on the JERICO-NEXT science strategy
Result 3.2 - Regionalization & observation strategies	WP1/WP3 /WP4	D1.1 /D1.2 D1.4/D3.1/D3.4/ D4.1/D4.2	AZTI, CNRS, SYKE; NIVA	To share knowledge with authorities in charge of national and European ocean monitoring, and other interest groups.	Policymakers, authorities, Environmental stakeholders, End users from research EEA, OSPAR, HELCOM, , UNEP-MAP, ROOSs, national authorities, ministries Other RIs (AQUACOSM, DANUBIUS, ICOS, EMSO)	2	**M12** based on the result from the 2nd All-Region Workshop

Table 3b. Dissemination Activities developed in JERICO-S3 to meet the objectives of Dissemination Target #3 and the associated specific Key Project Outcomes (KPOs)

Project Outcome identification name	Type of Action	Lead partner	Objective for dissemination	Dissemination - Targeted groups	Date
Result 3.1 - Long-term European vision & strategy (incl. science strategy)	Participation to a Conference/Workshop /Workshop	AZTI; CNR-ISMAR;SOCIB	Presentation at the 9th EuroGOOS Conferece. Rubio et al. 2021 - Building a reliable and standardized long-term data set of surface coastal ocean currents from the European HF radars	Online, 30 participants, Scientific Community (higher education Research)	2021
	Participation to a Conference/Workshop	IFREMER	JERICO-RI presentation - CoastPredict General Assembly - Italy, Bologna - 18-20 January 2023	Bologna-Italy, 60 participants, Scientific Community (higher education Research)	18 January 2023
	Participation to a Conference/Workshop	IFREMER	JERICO-RI presentation - POGO24 annual conference – 23-26th January 2023	Toulon-France, 90 participants, Scientific Community (higher education Research)	24th January 2023
	Organization of a Conference/Workshop	SYKE,FMI	JERICO-RI session during FINMARI Researcher Day 2022	Online, 100 participants Scientific Community (higher education Research)	23 March 2022
	Social Media	HCMR, NIVA, SYKE, CNRS-MIO	#JERICO_RI #CoastalObservation #ClimateChange	Twitter	17 January 2023
	Participation to a Conference/Workshop	SYKE	BOOS Annual Meeting 4-6 Nov 2020 - Presentation: Seppälä et al; JERICO-RI Pilot Supersites for integrated and multidisciplinary coastal monitoring	Online, 40 participants, Scientific Community (higher education Research)	4-6 October 2020

	Participation to a Conference/Workshop	PdE	9th EuroGOOS International Conference 2021: Presentation: "Recent activities of the EuroGOOS Tide Gauge Task Team: Towards an European Tide Gauge Network linked to the global operational oceanography systems and GLOSS".	Online (Virtual), 50 participants, Scientific Community (higher education Research)	3-5 May 2021
	Participation to a Conference/Workshop	RWS	Promoting Jerico on 9th EuroGOOS International Conference 2021	Web, 300 participants other	3-5 May 2021
	Participation to a Conference/Workshop	AZTI; CNR-ISMAR; SOCIB	ASLO 2021 Aquatic Sciences meeting - Presentation: Mader et al. 2021; THE BUILDING OF THE EUROPEAN HF RADAR NETWORK THROUGH JERICO-RI COORDINATED EFFORTS	Online, 20 participants Scientific Community (higher education Research)	2021
	Participation to a Conference/Workshop	AZTI; CNR-ISMAR	EGU 2021 - Presentation: Manso-Narvarte et al. 2021; Characterization of 3D coastal mesoscale structures and transports from multiplatform observations and a data reconstruction method, EGU21-14304	Online, 20 participants Scientific Community (higher education Research)	2021
	Participation to a Conference/Workshop	IFREMER	EMODnet Open Conference 2021 "Connecting Open Data, Delivering Marine Knowledge, A Vision for 2030" - Panelist at the "existing and emerging EU Partnerships" session	Online (Virtual), 70 participants Scientific Community (higher education Research)	15 June 2021
	Organisation of a conference	IFREMER	ASLO JERICO SESSION – SS66 Coastal Ocean Observing Systems to understand and predict changes of the coastal ocean Organisation and - JERICO-S3 / JERICO-RI presentation	Palma (virtual), 60 participants Scientific Community (higher education Research)	27 June 2021
	Participation to a Conference/Workshop	IFREMER	JERICO-RI booth at the European Maritime Days 2023 Brest	Brest, 300 participants Policy Makers, Industry, Civil Society, Scientific Community (Higher Education, Research)	24-25 May 2024

	Participation to a Conference/Workshop	IFREMER	Participation of JERICO-S3 coordinator in panel of discussions during European Maritime Days 2023 Brest	Brest, 300 participants Policy Makers, Industry, Civil Society, Scientific Community (Higher Education, Research)	24-25 May 2024
	Participation to a Conference/Workshop	IMR, IH	Participation in Oceans 2023 , dissemination of JERICO-RI communication tools (leaflets, brochures)	Limerick-Ireland, 200 participants Policy Makers, Industry, Scientific Community (Higher Education, Research), Civil Society	5-8 June 2023
	Publication (article)	PLOCAN IEEE EuroGOOS OGS	Patrizio Mariani, Ralf Bachmayer, Sokol Kosta, Ermanno Pietrosemoli, Murat V. Ardelan, Douglas P. Connelly, Eric Delory, Jay S. Pearlman, George Petihakis, Fletcher Thompson and Alessandro M. Crise, 2021. "Collaborative automation and IoT technologies for coastal ocean observing systems"	Frontiers in Marine Science, Vol. 8 Article Nr 647638 10184:29:00.000 https://doi.org/10.3389/fmars.2021.647368	2021
	Publication (article)	CNR ISMAR	Jacopo Aguzzi, Corrado Costa, Marcello Calisti, Valerio Funari, Sergio Stefanni, Roberto Danovaro, Helena I. Gomes, Fabrizio Vecchi, Lewis R. Dartnell, Peter Weiss, Kathrin Nowak, Damianos Chatzievangelou and Simone Marini. 2021. "Research Trends and Future Perspectives in Marine Biomimicking Robotics"	Sensors, 21, 3778, MDPI(Ed.) https://doi.org/10.3390/s21113778 Scientific Community (Higher Education, Research)	2021
	Publication	DMI, Deltares, FMI, SOCIB, Hereon, IMR	She J, A Blauw, L Laakso, B Mourre, J Schulz-Stellenfleth, H Wehde, 2023. "Fit-for-Purpose Information for Offshore Wind Farming Applications—Part-I: Identification of Needs and Solutions"	J. Mar. Sci. Eng., 2023, 11(8), 1630 https://doi.org/10.3390/jmse11081630 Policy Makers, Industry, Scientific Community (Higher Education, Research)	2023

	Publication	Hereon, Deltares, FMI, SOCIB, DMI, IMR	Schulz-Stellenfleth J, A Blauw, L Laakso, B Mourre, J She, H Wehde, 2023. "Fit-for-Purpose Information for Offshore Wind Farming Applications—Part-II: Gap Analysis and Recommendations"	J. Mar. Sci. Eng., 2023, 11(9), 1817 https://doi.org/10.3390/jmse11091817 Policy Makers, Industry, Scientific Community (Higher Education, Research)	
	Publication (Newsletter)	IFREMER	Delaunay L., Godiveau L., 2022. "What is the JERICO-RI"	JERICO-RI Newsletter, Issue 1, Keeble K. (Editor), p2 Scientific Community (Higher Education, Research) Policy Makers, Industry, General Public	2022
	Publication (Newsletter)	COVARTEC	Durand, D., 2022. "Marine Coastal observatories, facilities, data and expertise for Europe"	JERICO-RI Newsletter, Issue 1, Keeble K. (Editor), p4 Scientific Community (Higher Education, Research) Policy Makers, Industry, General Public	2022
	Publication (Newsletter)	SYKE	Kuuppo K., Sepällä J., 2022. "Pilot Supersites for Innovative Coastal Monitoring"	JERICO-RI Newsletter, Issue 1, Keeble K. (Editor), p5 Scientific Community (Higher Education, Research) Policy Makers, Industry, General Public	2022
	Organization of a Conference/Workshop	DMI	Coastal model-observation integration https://imdis.seadatanet.org/:	Online, 60 participants Scientific Community (higher education Research)	21 April 2021
	Video/Film	IFREMER	A. Carlier, "Presentation of Pagure 2": http://wwz.ifremer.fr/webtv/Campagnes-a-la-mer/PAGURE-2	Online Scientific Community (higher education Research)	2021
	Participation to a Conference/Workshop	CNR	ISMAR Workshop on "Mesoscale and submesoscale dynamics". Presentation title by Maristella Berta: "Multi-platform approach to study ocean meso-submesoscale dynamics"	Virtual (Online), 100 participants Scientific Community (higher education Research)	14 December 2020

Result 3.2 - Regionalization & observation strategies	participation to an event other than a conference or workshop	Cefas	Presentation of JERICO-S3 activities to the UK-IMON group	Scientific Community (higher education Research)	11 of November 2020
	Participation to a Conference/Workshop	IFREMER	JERICO RI et ses projets, AG ILICO (Porque aqui workshop e abaixo conf?=	Online, 70 participants, Scientific Community (higher education Research)	27 October 2020
	Participation to a Conference/Workshop	IFREMER	JERICO-RI presentation - ILICO General Assembly - La Rochelle France - 02nd-03rd November 2021	La Rochelle-France, 85 participants, Scientific Community (higher education Research)	2 November 2021
	Participation to a Conference/Workshop	IFREMER	Presentation JERICO-RI during the ILICO General Assembly 2023.	Angers (France), 70 participants Scientific Community (higher education Research)	October 2023
	Website	HCMR, NIVA, SYKE, CNRS-MIO	A Single Turnover Active Fluorometry sensor LabSTAF tested successfully in the oligotrophic Cretan Sea PSS	Online, JERICO S3 website Scientific Community (higher education Research)	5 November 2021
	Website	HCMR, NIVA, SYKE, CNRS-MIO	A Single Turnover Active Fluorometry sensor LabSTAF tested successfully in the oligotrophic Cretan Sea PSS	Online, POSEIDON website audience: 2 million General Public	19 November 2021
	Participation to a Conference/Workshop	HCMR, NIVA, SYKE, CNRS-MIO	In situ monitoring of Carbonate System Variables in the Eastern Mediterranean to validate Regional Algorithms, Remote Sensing and Model Products.	Ocean Carbon From Space Workshop Scientific Community (higher education Research)	14-18 February 2022

	Participation to a Conference/Workshop	HCMR, NIVA, SYKE, CNRS-MIO	Study of pH and CO2 variability in the Eastern Mediterranean Sea combining in situ, remote sensing and numerical modelling	5th ICOS Science Conference 2022 Scientific Community (higher education Research)	13-15 September 2022
	Participation to a Conference/Workshop	HCMR, NIVA, SYKE, CNRS-MIO	Study of pH and CO2 variability in the Eastern Mediterranean Sea combining in situ, remote sensing and numerical modelling	2nd Climate Observation Conference 2022 Scientific Community (higher education Research)	17-19 October 2022
	Participation to a Conference/Workshop	IFREMER	keynote speech for the FinMARI research day: Finmari in European RI perspective	Online (Virtual)m 60 participants, Scientific Community (higher education Research)	15 March 2021
	Participation to a Conference/Workshop	SOCIB	9th EuroGOOS International Conference 2021. The subregional Mediterranean Sea indicators tool in support of the sustainable management of the oceans. Juza & Tintoré.	Online Scientific Community (higher education Research)	3-5 May 2021
	Participation to a Conference/Workshop	SYKE	International Coastal Buoys Network Workshop COCA- Presentation: Seppälä et al; Platforms and sensors to monitor phytoplankton events in the Baltic Sea	Online, 80 Participants, Scientific Community (higher education Research)	23-24 October 2020
	Participation to a Conference/Workshop	SOCIB	EGU General Assembly 2021. The "Sub-regional Mediterranean Sea indicators" visualisation tool: from event detection to climate change estimations. Juza & Tintoré.	Online Scientific Community (higher education Research)	19-30 April 2021
	Organization of a Conference/Workshop	NIVA, SMHI, Hereon	10th FerryBox workshop	Online (web), 100 participants, Scientific Community (higher education Research)	17-19 March 2021

	Participation to a Conference/Workshop	DELTARES	joining the 10th Ferrybox workshop	Online (web), 100 participants, Scientific Community (higher education Research)	17-19 March 2021
	Participation to a Conference/Workshop	NIVA, SMHI, Hereon	10th FerryBox workshop	Online (web), 100 participants, Scientific Community (higher education Research)	17-19 March 2021
	Participation to a Conference/Workshop	RWSS	joining the 10th Ferrybox workshop	Online (web), 100 participants, Scientific Community (higher education Research)	17-19 March 2021
	Participation to a Conference/Workshop	SYKES	10th Ferrybox workshop - presentation: Kraft et al. Imaging flow cytometry observations of cyanobacterial bloom in the Baltic Sea".	Online (web), 80 participants, Scientific Community (higher education Research)	17-19 March 2021
	Organization of a Conference/Workshop	SYKE	JERICO-S3 WP4 GoF PSS Workshop "JERICO-RI workshop for overall harmonization of sensors and calibration practices" with external participants	Helsinki + Online, 15 participants Scientific Community (higher education Research)	8 March 2021
	Participation to a Conference/Workshop	DELTARES	A. Blauw, L. Vilmin, L. Buckman, S. Heye, W. Stolte. Quantification of Carbon Fluxes along a Gradient from the Wadden Sea Lagoon to the North Sea and Atlantic Ocean.8 AMEMR conference, 8-11 July 2024, Plymouth, UK	Plymouth (UK), 150 participants	8-11 July 2024
	Participation to a Conference/Workshop	SYKE	METROSea 2021 workshop - presentation: Seppälä et al " Transnational FerryBox Monitoring in the Baltic Sea: Common Measures for Quality Assurance"	Online, 40 participants Scientific Community (higher education Research)	05 October 2021
	Participation to a Conference/Workshop	SYKE	GlobalHAB symposium - presentation :Kraft et al "Using IFCB to monitor filamentous cyanobacteria in the Baltic Sea - Automated data pipeline and CNN based classification system	Kristineberg/ Online, 30 participants Scientific Community (higher education Research)	22-26 August 2022

	Participation to a Conference/Workshop	SYKE	11th Ferrybox workshop - presentation: Kraft et al. "Multiplatform detection of filamentous cyanobacteria blooms in the Baltic Sea"	Geesthacht, 80 participants Scientific Community (higher education Research)	28-29 September 2022
	Participation to a Conference/Workshop	SYKE	11th Ferrybox workshop - presentation: Seppälä et al "Climatology and trends in Chl-a and nutrients from FerryBox timeseries in the Baltic Sea "	Geesthacht, 80 participants Scientific Community (higher education Research)	28-29 September 2022
	Website	HCMR, NIVA, SYKE, CNRS-MIO	A first pH annual cycle in the Cretan Sea	Online, JERICO S3 website 2million audience (shared with POSEIDON website, EuroGOOS newsletter, OA-Med-Hub newsletter) Scientific Community (higher education Research)	14 February 2022
	Website	HCMR, NIVA, SYKE, CNRS-MIO	A first pH annual cycle in the Cretan Sea	Online, POSEIDON website 2million audience (shared with JERICO-S3 website, EuroGOOS newsletter, OA-Med-Hub newsletter) General Public	22 February 2022
	Website	HCMR, NIVA, SYKE, CNRS-MIO	A first pH annual cycle in the Cretan Sea	Online, EUROGOOS newsletter 2million audience (shared with JERICO-S3 website, POSEIDON website, OA-Med-Hub newsletter) Scientific Community (higher education Research)	1 August 2022
	Website	HCMR, NIVA, SYKE, CNRS-MIO	A first pH annual cycle in the Cretan Sea	Online, OA-Med Hub newsletter 2million audience (shared with JERICO-S3 website, POSEIDON website, EuroGOOS newsletter) Scientific Community (higher education Research)	24 May 2022

	Video/film	SYKE	Videos for Utö facility and sediment trap deployment at FINMARI YouTube Channel. https://www.youtube.com/channel/UCTShRuPSiFz22ZiRCS9sb7g	YouTube, 100 audience, General Public	12 October 2020 – 25 August 2021
	Participation to a Conference/Workshop	CNR	ISMAR Workshop on "ISMAR activities". Presentation title: La partecipazione ISMAR alle infrastrutture di ricerca europee ESFRI by De Pascalis F. et al.	Online (web), 150 participants Scientific Community (higher education Research)	12-27 May 2020
	Participation to a Conference/Workshop	CNR	ISMAR Workshop on "ISMAR activities". Presentation title: I siti osservativi fissi di ISMAR: verso un sistema integrato, fra potenzialità ed ostacoli da superare by Cantoni C. et al.	Online (web), 150 participants Scientific Community (higher education Research)	12-27 May 2020
	Participation to a Conference/Workshop	CNR	ISMAR Workshop on "ISMAR activities". Presentation title:The Northern Adriatic Sea Ecological Observatory: state of the art and perspectives by Bergami C., et al.	Online (web), 150 participants Scientific Community (higher education Research)	12-27 May 2020
	Publication (Paper)	CNR	Giovanni Esposito, Maristella Berta*, Luca Centurioni, Shaun Johnston, John Lodise, Tamay Ozgokmen, Pierre-Marie Poulain and Annalisa Griffa, 2021. "Submesoscale vorticity and divergence in the Alboran Sea: scale and depth dependence" https://doi.org/10.3389/fmars.2021.678304	Frontiers in Marine Science, 8:678304, Scientific Community (higher education Research)	2021
	Publication (Conference Proceedings)		Francesco Riminucci, Lucilla Capotondi, Mariangela Ravaioli, 2021. "Trace metals accumulation on the Po river prodelta, North Adriatic Sea"	Abstract EGU General Assembly Conference 2021, n. EGU21-6459 Scientific Community (higher education Research)	2021

	Publication (Paper)		Barra E., Riminucci F., Dinelli, E., Albertazzi,S., Giordano, P., Ravaioli,M., Capotondi, L, 2020. "Natural Versus Anthropic Influence on North Adriatic Coast Detected by Geochemical Analyses"	Applied Sciences, vol. 10, 6595 DOI:10.3390/app10186595 Scientific Community (higher education Research)	2020
	Publication (Paper)	SOCIB	Juza, M. and Tintoré, J., 2021. Multivariate sub-regional ocean indicators in the Mediterranean Sea: from event detection to climate change estimations	Frontiers in Marine Science 10184:29:00.000 https://doi.org/10.3389/fmars.2021.610589 Scientific Community (higher education Research)	2021
	Publication (Paper)	UBO-CNRS-IFREMER CNRS IFREMER	Mathieu Gentil, Gaël Many , Xavier Durrieu de Madron, Pierre Cauchy, Ivane Pairaud, Pierre Testor, Romaric Verney and François Bourrin, 2020. "Glider-Based Active Acoustic Monitoring of Currents and Turbidity in the Coastal Zone"	Remote sensing 2020, 12, 2875, 22p. https://doi.org/10.3390/rs12182875 Scientific Community (higher education Research)	2020
	Publication at Conference/Workshop Proceedings / Conference material	NIVA	Frigstad H., Harvey T., Valestrand L., Mengeot C., Poste A., Protsenko E., Sørensen K., Jaccard P., King A., 2022. "Variation in organic carbon along Norwegian coastline based on FerryBox monitoring"	11th FerryBox Workshop, Helmholtz-Zentrum Hereon, Geesthacht – Germany, presentation 14p.	28-29 September 2022,
	Publication at Conference/Workshop Proceedings / Conference material	SMHI	Karlson B., Andreasson K., Johansson J., Skjevik A.-T., Viktorsson L., Wranne A.W., 2022. "Automated Observations of Phytoplankton in the Kattegat-Skagerrak and the Baltic Sea using the imaging flowcytobot and other sensors on R/V Svea"	11th FerryBox Workshop, Helmholtz-Zentrum Hereon, Geesthacht – Germany, presentation 20p.	28-29 September 2022

	Publication	SYKE FMI	Kraft K., Seppälä J., Hällfors H., Suikkanen S., Ylöstalo P., Anglès S., Kielosto S., Kuosa H., Laakso L., Honkanen M., Lehtinen S., Oja J., Tamminen T., 2021."First Application of IFCB High-Frequency Imaging-in-Flow Cytometry to Investigate Bloom-Forming Filamentous Cyanobacteria in the Baltic Sea"	Frontiers in Marine Science 8:594144 https://doi.org/10.3389/fmars.2021.594144	2021
	Publication	AZTI	Ruiz I, Basurko OC, Rubio A, Delpey M, Granado I, Declerck A, Mader J and Cózar A, 2020. "Litter Windrows in the South-East Coast of the Bay of Biscay: An Ocean Process Enabling Effective Active Fishing for Litter"	Frontiers in Marine Science 12:08:00 10.3389/fmars.2020.00308	2020
	Press-Release	SOCIB	SOCIB participates in the JERICO Week #2, a meeting space for enhanced coastal observation in Europe https://www.socib.es/index.php?seccion=detalle_noticia&id_noticia=466	SOCIB Website, audience: 154 General Public	27 April 2021
	Social Media	HEREON	Various Posts via Twitter and Instagram of Cruise activities during JERICO-S3 related fieldwork in Norway (framework of WP4 North Sea PSS)	Web, Facebook, Twitter, Instagram General Public	01-19 March 2021
	Social Media	SYKE	Tweets by Finnish Marine Research Infrastructure FINMARI @FINMARI1; 6 tweets for JERICO-RI 1.2.2020-13.8.2021	Twitter, audience: 162	February 2020 to August 2021
	Social Media	HEREON	Various Posts via Twitter and Instagram of a Profiling Camera and Lander and JERICO-S3 related fieldwork in the german bight (framework of WP4 North Sea PSS)	Web, Facebook, Twitter, Instagram General Public	01-19 March 2021
	Social Media	SOCIB	39 publications (Twitter & Facebook) https://twitter.com/socib_icts	Twitter, Facebook, audience:879 General Public	13 July 2021

	Website	SOCIB	SOCIB activities in the Saildrone ATL2MED mission https://www.socib.es/index.php?seccion=detalle_noticia&id_noticia=430	Web, audience: 71 Industry	31 Mars 2020
	Participation to an event other than a conference or workshop	IFREMER	ILICO General Assembly - JERICO-S3 / JERICO-RI presentation	La Rochelle, France (Virtual), 70 participants Scientific Community (higher education Research)	5 May 2020
	Participation to a Conference/Workshop	UPC	VI Expanding Ocean Frontiers conference	Virtual (Online) Scientific Community (higher education Research)	2 July 2021
	Participation to a Conference/Workshop	SYKE	ASLO 2021 Aquatic Sciences meeting - Presentation: Seppälä et al; JERICO-RI coastal Pilot Supersites for integrated, multidisciplinary and harmonized observations	Virtual (Online), 20 Participants Scientific Community (higher education Research)	27 June 2021
	Participation to a Conference/Workshop	HCMR	ASLO 2021 Aquatic Sciences meeting - Presentation: Seppälä et al; JERICO-RI coastal Pilot Supersites for integrated, multidisciplinary and harmonized observations	Virtual (Online), 20 Participants Scientific Community (higher education Research)	27 June 2021
	Participation to a Conference/Workshop	SYKE	ASLO 2021 Aquatic Sciences meeting - Presentation: Kraft et al; First Application Of IFCB High-frequency Imaging-in-Flow Cytometry To Investigate Baltic Sea Bloom-forming Filamentous Cyanobacteria	Virtual (Online), 40 Participants Scientific Community (higher education Research)	23 June 202
	Participation to a Conference/Workshop	PdE	EGU General Assembly 2021: Presentation: "On the effect of sea level increases during the storm Gloria". Section OS2.3- Oceanography at coastal scales.	Virtual (Online), 50 participants Scientific Community (higher education Research)	29 April 2021
	Press Release	SOCIB	The Western Mediterranean Sea found to be one of the areas with the highest reduction in marine traffic during the COVID-19 pandemic	Online, audience: 154 General Public	27 April 2021

			https://www.socib.es/index.php?seccion=detalle_noticia&id_noticia=466		
	Participation to a Conference/Workshop	SYKE	FINMARI Researcher Day conference 16.3.2021 - presentation: Kraft et al; Imaging flow cytometry observations and image analysis of the Baltic Sea phytoplankton community	Virtual (Online), 80 participants General Public	16 Mars 2021
	Organization of a Conference/Workshop	CNR	Conference Title: Là in mezzo al mar… tour scientifico alla scoperta del Nord Adriatico" by L.Capotondi	Virtual (Online), 30 participants General Public	03 March 2021
	Website	SOCIB	Year's first "CANALES" oceanographic cruise by the research vessel SOCIB https://socib.es/index.php?seccion=detalle_noticia&id_noticia=455	Online, audience: 124 General Public	05 February 2021
	SocialMedia	TalTech	Post about 2.5 min video about work at sea https://www.facebook.com/taltechmerefys/posts/177846037459976?notif_id=1611054888008789&notif_t=page_post_reaction&ref=notif	Online General Public	19 January 2021
	Social Media	Taltech	Post about TalTech entry to the JERICO consortium https://www.facebook.com/taltechmerefys/photos/a.129893278921919/133457191898861	Online General Public	20 October 2020
	Video/Film	IH	Participation in the episode"Wegawaves" of the series "Spectacular Earth" produced by BBC Studios and broadcasted in 2023 with worldwide dissemination	Online, audience: > 1 million General Public	2023

3.5 KPO#4: Best practices

An important Dissemination Target for JERICO-S3 is the Best practices jointly elaborated by the consortium. The three main Results to be disseminated are best practices for coastal observations and for Coastal Data Management. These are a core expertise provided by the JERICO-S3 consortium that will be promoted both in Europe and Internationally. These two main results are subsequently detailed into KPOs addressing specific aspects of the results (see table hereinafter).
A third result is expected from the development of dedicated harmonisation tools in WP5.

Table 4a. Main Dissemination Target #4 and the associated specific Key Project Outcomes (KPOs) - from D10.1

Project Outcome identification name	WP	Related Del.	Lead partner	Objective for dissemination	Dissemination - Targeted groups	Priority (from 1 to 3)	Kick-off of the action
Result 4.1 JERICO-RI best practices for coastal observation	WP3, WP4, WP5	D5.2	AZTI/CNR	Promoting the consortium expertise on coastal observation	Ocean Best practices System (J. Pearlman)	1	**M8** – following OBPS agenda. Publication in OBPS repository on **M20**
Result 4.1a Recommendation for Multiplatform implementation of a biogeochemical NRT observatory	WP5	D5.4	AZTI/NIVA	Promoting the consortium expertise on coastal observation	Ocean Best practices System (J. Pearlman)		Early results expected on **M6 (MS25)**

Result 4.1b Best practices for sampling procedures of biological automatic sensors	WP5	D5.6	AZTI/CNRS	Promoting the consortium expertise on coastal observation	Ocean Best practices System (J. Pearlman)		Early results expected om **M8** (MS26)
Result 4.1c Technical recommendations for integration based on the monitored experiences in PSS/IRS	WP5	D5.7	AZTI/CNRS	Promoting the consortium expertise on coastal observation	Ocean Best practices System (J. Pearlman)		Early results expected om **M13** (MS27)
Result 4.2 Best practices for Data Management	WP6		MARIS	Promoting the consortium expertise on coastal data and its management	EMODNET, SeaDataNet, CMEMS	1	From **M10** based on achievement from previous JERICO projects
Result 4.2a Physical and BGC platforms	WP6	D6.3	MARIS	Promoting the consortium expertise on coastal data and its management	EMODNET, SeaDataNet, CMEMS	1	**M12**

Result 4.2b Quantitative imaging systems	WP6	D6.4	MARIS	Promoting the consortium expertise on coastal data and its management	EMODNET, SeaDataNet, CMEMS		From **M18**
Result 4.2c Biological optical sensors	WP6	D6.5	MARIS	Promoting the consortium expertise on coastal data and its management	EMODNET, SeaDataNet, CMEMS, EMBRC, LifeWatch		From **M12**
Result 4.2d Strategy for coastal carbonate systems	WP6	D6.8	MARIS	Promoting the consortium expertise on coastal data and its management	EMODNET, SeaDataNet, CMEMS, ICOS		From **M18**
Result 4.3 Harmonisation tools	WP5	D5.5	AZTI/CNR	Promoting the consortium expertise on coastal data and its management	Coastal observatories operators	1	**M28** (MS29)

Table 4b. Dissemination Activities developed in JERICO-S3 to meet the objectives of Dissemination Target #4 and the associated specific Key Project Outcomes (KPOs)

Key Project Outcome	Type of Action	Lead partner	Designation and details	Local, audience, target audience, topics	Date, Links
Result 4.1 JERICO-RI best practices for coastal observation	Paper	IEEE	Pearlman, J. et al., 2021. "Evolving and Sustaining Ocean Best Practices to enable Interoperability in the UN Decade of Ocean Science for Sustainable Development."	Frontiers in Marine Science 10.3389/fmars.2021.619685 Link	2021
	other	UNESCO/IODE IEEE	Good, Better, Best: A Newsletter for Practices of Ocean Observing & Applications [monthly] Link	Online (Virtual), 500 participants Scientific Community (higher education Research)	2020 – 2023
	workshop	UNESCO/IODE IEEE	Evolving and Sustaining Ocean Best Practices Workshop V, 20-24 Sep 2021 [Online] Link	Online (Virtual), 204 participants Scientific Community (higher education Research)	20-24 /9/2021
	Publication in conference proceeding/workshop	IEEE	Simpson, P., Pearlman, F. and Pearlman, J. (eds), 2021."Evolving and Sustaining Ocean Best Practices Workshop IV, 18; 21-25 & 30 Sep 2020 [Online]: Proceedings, Volumes 1 & 2.	IOC Workshop Report No. 294, Vols. 1 & 2 10.25607/OBP-1036 Link	2021
	Organization of a Conference/Workshop	UNESCO/IODE; IEEE	Evolving and Sustaining Ocean Best Practices Workshop IV, 18; 21-25 & 30 Sep 2020 [Online]:	Online (Virtual), 495 participants Scientific Community (higher education Research)	18; 21-25' 30/9/2020
	Participation to a Conference/Workshop	MI	Evolving and Sustaining Ocean Best Practices Workshop IV, 18; 21-25 & 30 Sep 2020	Virtual Scientific Community (higher education Research) 495 participants	18; 21-25' 30/9/2020

	Publication in conference proceeding/workshop		Cristian Munoz, Jay Pearlman, Rachel Przeslawski, Mark Bushnell, Frank Muller-Karger, Julien Mader, Juliet Hermes, ,Pier Luigi Buttigieg, Pauline Simpson, Francoise Pearlman, Cora Hörstmann, Henning Wehde, 2021 Best Practices uptake process across the Ocean Observing Community Link	Oceans 21 Proceedings https://proceedings.oceans2021.org/session.cfm?sid=50	23 September 2021
	Organization of a Conference/Workshop	UNESCO/IODE; IEEE	EMODnet Jamboree Special Session "Ocean Data Best Practices"	Online (Virtual), 30 participants Scientific Community (higher education Research)	16/7/2021
	Participation to a Conference/Workshop	UNESCO/IODE; IEEE	IMDIS 2021 . Presentation - Buttigieg, P.L.; Horstmann, C.; Simpson, P. and Pearlman, J.: "Evolving the UNESCO/IOC Ocean Best Practices System: preparing methods for the oceans' digital ecosystem" Link	Online https://imdis.seadatanet.org/ Scientific Community (higher education Research)	12-14 April 2021
	Participation to a Conference/Workshop	IEEE; UNESCO/IODE	Oceans 2021. Best Practices uptake process across the Ocean Observing Community: paper accepted to Oceans 21, MTS/IEEE.	hybrid, 1000 participants Scientific Community (higher education Research)	2021
	website	UNESCO/IODE	Ocean Best Practices System: https://www.oceanbestpractices.org/projects/	Online (virtual), 1000 participants Scientific Community (higher education Research)	2020
	other	IEEE; UNESCO/IODE	Improving global and regional ocean observing through best practices and standards, OES Beacon: IEEE Oceanic Engineering Society Newsletter	online Scientific Community (higher education Research)	2020
	Organization of a Conference/Workshop	HCMR, OGS, HZG	"Assimilating technical Best Practice Improvements to optimize network data flow", Joint WP2-WP5 workshop	Norway Scientific Community (higher education	5 OCtober 2017 Bergen, Norway

	Organization and participation of a workshop	CNR, AZTI	Training Workshop #1 - Mature Platforms - high frequency (HF) radars	Italy, 40 (20 presencial+20 online) Scientific Community (higher education), Industry JERICO-CORE, HOORT tool, the European HFR Node	21 -22 november 2022 Link
	Organization and participation of a workshop	CEFAS, CNRS-LOV	Training workshop #2 - Improving the data flow of plankton images to EcoTaxa	France 14 (11 presencial + 3 online) Scientific Community (higher education), Students EcoTaxa, planktonic imagery, data management and processing	13 – 15 June 2023 Link
	Organization and participation of a workshop	CNRS (MIO/LOG-ULCO), Cefas, and SYKE	Training workshop - TT-CYTO: Tips and Tricks towards flow cytometry data FAIRness	France Scientific Community (higher education), Students EcoTaxa, planktonic imagery, data management and processing	4 – 6 June 2024 Link
	Publication in Conference Proceedings	IEEE	Buttigieg P.L., Hörstmann C., Simpson P. Pearlman J.S., 2021. "Evolving the Unesco/IOC Ocean Best Practicies System: preparing methods for the ocean's digital ecosystem"	Bollettino di Geofisica, , IMDIS 2021 International Conference on Marine Data and Information Systems 12-14 April, 2021 Online Book of Abstracts, Vol.62 - Supplement, OGS (Eds), 222-223. Scientific Community (higher education Research)	12-14 April 2021
	Organization of a workshop	CEFAS	presentation entitled "10 years of FerryBox operation on RV Cefas Endeavour: lessons learned, quality control, and future applications" in 17-18 March 2021 workshop FerryBox and HF radar	Scientific Community (higher education Research)	2021
	Participation to a Conference/Workshop	IFREMER	JERICO-RI presentation - OBPS community Workshop - Sept 2021	Virtual(Online), 65 participants	20 September 2021

	Other	UNESCO/ IODE	JERICO Project Best Practice Documents in OBPS Repository	OBPS Repository. Audience: 1000 Scientific Community (higher education Research)	Since 2018
	Publication (article)	CNR, IEEE, AZTI	Mantovani, C., Pearlman, J., Rubio, A., Przeslawski, R., Bushnell, M., Simpson, P., Corgnati L., Alvarez, E., Cosoli, S. and Roarty, H., 2024. "An ocean practices maturity model: from good to best practices"	Front. Mar. Sci., 20 August 2024 Sec. Ocean Observation Volume 11 - 2024 | https://doi.org/10.3389/fmars.2024.1415374%E2%80%8B	2024
Result 4.1a Recommendation for Multiplatform implementation of a biogeochemical NRT observatory					
Result 4.1b Best practices for sampling procedures of biological automatic sensors	Publication in conference proceeding/workshop		Patricia Martin-Cabrera, Fabien Lombard, Jean-Olivier Irisson, Lars Stemmann, Klas O. Möller, Markus Lindh, Veronique Creach, Lennert Schepers, 2020. "Coordinating Efforts to Define Marine Plankton Imagery Data and Metadata Best Practices and Standards"	Biodiversity Information Science and Standards doi: 10.3897/biss.4.58932 Link	2020
	Website	BLIT CEFAS	Questionnaire Best Practices for In-vivo fluorometry https://www.jerico-ri.eu/2021/04/14/best-practices-for-in-vivo-fluorometry/	JERICO-RI website, Scientific Community (higher education Research)	14 April 2021

	Website	BLIT CEFAS	Questionnaire Brest Practices Plankton Automated Imagery https://www.jerico-ri.eu/2021/04/14/best-practices-for-plankton-automated-imagery/	JERICO-RI website Scientific Community (higher education Research)	14 April 2021
	Website	BLIT CEFAS	Questionnaire Brest Practices Flow Cytometry https://www.jerico-ri.eu/2020/11/20/best-practices-in-flow-cytometry-questionnaire-launched/	JERICO-RI website Scientific Community (higher education Research)	20 November 2020
Result 4.1c Technical recommendations for integration based on the monitored experiences in PSS/IRS	Publication	RBINS HEREON	Fettweis M., Riethmüller R., Van der Zande D., Desmit X., 2023. "Sample based water quality monitoring of coastal seas: How significant is the information loss in patchy time series compared to continuous ones?"	Science of the Total Environment Volume 873, 162273 https://doi.org/10.1016/j.scitotenv.2023.162273 Scientific Community (higher education Research), Policy Makers	15 May 2023
	Publication in Conference Proceedings	SYKE, HCMR,CNRS, Hereon, IFREMER, Deltares,	Seppälä J., Frangoulis C., Coppola L., Brix H., Lefebvre A., Blauw A., Tamminen T., Pethiakis G., Bourrin F., Möller K.O., Verney R., Delaunay L., 2023. "Synthesis of JERICO-RI coastal Pilot Supersite implementation: towards integrated pan-European multiplatform coastal observation"	Proceedings of the 10th EuroGOOS International Conference. European Operational Oceanography for the ocean we want - addressing the UN Ocean Decade challenges. 3-5 October 2023, Galway, Ireland. Eparkhina, D., Nolan, J.E. (Eds). EuroGOOS. Brussels, Belgium. 2023, pp 232-239.http://hdl.handle.net/10793/1883	2023

	Publication in Conference Proceedings	CNRS-LOG, CEFAS, IFREMER, CNRS, VLIZ, HEREON, SYKE	Artigas et al., 2023. "Multiscale harmonised automated observations of phytoplankton biomass, diversity and productivity dynamics in the English Channel and North Sea as part of the coastal Pilot Super Site approach (JERICO-S3)"	Proceedings of the 10th EuroGOOS International Conference. European Operational Oceanography for the ocean we want - addressing the UN Ocean Decade challenges. 3-5 October 2023, Galway, Ireland. Eparkhina, D., Nolan, J.E. (Eds). EuroGOOS. Brussels, Belgium. 2023, pp 294-301.http://hdl.handle.net/10793/1883	2023
	Social Media	IH SYKE CNR HCMR,	Publicizing 'Joint JERICO-S3 and AQUACOSM-plus study on Baltic Sea heatwaves' JS3 TA project. https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_ta-jericoabrs3-aquacosm-activity-7032021536970547200-LOtp?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn Scientific Community (Higher Education, Research)	2022
	Participation to a Conference/Workshop	SYKE	5th FINMARI Researcher Day meeting - Presentation: Seppälä et al; JERICO-RI Pilot Supersites for integrated and multidisciplinary coastal monitoring	Turku (Finland), 80 participants Scientific Community (Higher Education, Research)	10 Mars 2020
Result 4.2 Best practices for Data Management					
Result 4.2a Physical and BGC platforms					

Result 4.2b Quantitative imaging systems	Books/Monographs	VLIZ Cefas	Martin-Cabrera, Patricia; Perez Perez, Ruben; Irisson, Jean-Olivier; Lombard, Fabien; Möller, Klas Ove; Rühl, Saskia; Creach, Veronique; Lindh, Markus; Stemmann, Lars; Schepers, Lennert, 2022. "Best practices and recommendations for plankton imaging data management: Ensuring effective data flow towards European data infrastructures"	Ocean Best Practices System http://dx.doi.org/10.25607/OBP-1742 Link	April 2022
	Publication in Conference Proceedings	SMHI	Lindh M., Gorringe P., Stål J., 2021. "A picture is worth a thousand data points: Making videos and images from marine envrionmental monitoring available to all"	Bollettino di Geofisica, , IMDIS 2021 International Conference on Marine Data and Information Systems 12-14 April, 2021 Online Book of Abstracts, Vol.62 - Supplement, OGS (Eds), 48-49. Scientific Community (higher education Research)	12-14 April 2021
Result 4.2c Biological optical sensors					
Result 4.2d Strategy for coastal carbonate systems	Publication in Conference Proceedings/Workshops	HCMR, NIVA, SYKE, CNRS-MIO	Stamataki N., Frangoulis C., Pettas M., Giannoudi L., Tsiaras K., Christodoulaki S., King A., Seppälä J., Thyssen M., Petihakis G., 2022. "In situ monitoring of Carbonate System Variables in the Eastern Mediterranean to validate Regional Algorithms, Remote Sensing and Model Products."	Ocean Carbon from Space Workshop https://oceancarbonfromspace2022.esa.int/iframe-agenda/files/Contribution_146_final_extabs.pdf Scientific Community (higher education Research)	14-18 February 2022
Result 4.3 Harmonisation tools	Participation to a Conference/Workshop	AZTI	Presentation at the Sicomar-Plus HF radars summer school, May 26-28, 2021 - Rubio et al. 2021 HF radar, satellite and in-situ data to study coastal (sub)mesoscale eddies and their effect on cross-shelf exchanges and phytoplankton distribution	Virtual (Online). 20 participants Scientific Community (higher education Research)	2021

	Organisation of a workshop	DMI	Coastal model-observation integration https://imdis.seadatanet.org/	Virtual (Online), 60 participants Scientific Community (higher education Research)	21 April 2021

3.6 KPO#5: High quality coastal datasets

As a research Infrastructure dedicated to coastal observations, the data and datasets provided by the infrastructure is a key outcome of the project. This Dissemination Target addresses the sharing of experience, methodologies and standards developed by the project on high-quality FAIR data and multidisciplinary datasets, supporting research on complex coastal processes.

Table 5a. Main Dissemination Target #5 and the associated specific Key Project Outcomes (KPOs) - from D10.1

Project Outcome identification name	WP	Related Del.	Lead partner	Objective for dissemination	Dissemination - Targeted groups	Priority (from 1 to 3)	Kick-off of the action
Result 5.1 JERICO S3 FAIR Data	WP6	D6.1/ D6.12 /D6.7 /D6.10	MARIS	Make JERICO-RI data available to stakeholders at large.	CMEMS; EMODNET, GEO/GEOSS, Policymakers, authorities, end-users from research, environmental stakeholders	1	**M12** (MS35)

Table 5b. Dissemination Activities developed in JERICO-S3 to meet the objectives of Dissemination Target #5 and the associated specific Key Project Outcomes (KPOs)

Project Outcome identification name	Type of Action	Lead partner	Designation and Details	Local, audience, target audience, topics	Date, Links
Result 5.1 JERICO S3 FAIR Data	Website	SOCIB	'Glider Toolbox': A toolbox for glider data management https://socib.es/index.php?seccion=detalle_noticia&id_noticia=449	Web, 108 persons Scientific Community (higher education),	21 January 2021
	Organisation of a workshop	Deltares and MARIS	Webinar FAIR data on biochemistry in European marine waters: current status and way forward.	Online (Virtual), 22 participants Scientific Community (higher education Research)	2024
	Video/Film		Recording of the webinar FAIR data on biochemistry in European marine waters: current status and way forward is shared as video through the Jerico-S3 website and all 44 attendees who registered.	Online, Scientific Community (higher education Research)	2024
	Participation to a Conference/Workshop	CEFAS	presentation and 10 minutes video "Working towards integration of new data describing biological essential ocean variables from marine coastal ecosystems" in ASLO 22-28 June 2021	Scientific Community (higher education Research)	2021

	Publication in Conference Proceedings	SMHI	Lindh M., Gorringe P., Stål J., 2021. "A picture is worth a thousand data points: Making videos and images from marine envrionmental monitoring available to all"	Bollettino di Geofisica, , IMDIS 2021 International Conference on Marine Data and Information Systems 12-14 April, 2021 Online Book of Abstracts, Vol.62 - Supplement, OGS (Eds), 48-49. Scientific Community (higher education Research)	12-14 April 2021
	Publication in Conference Proceedings	Cefas, CNRS-LOG IFREMER, SMHI, CNRS-LOV, HZG, VLIZ, SYKE, CNRS-MIO	Creach V., Artigas L.F., Lefebvre A., Lindh M., Lombard F., Möller K.O., Schepers L., Seppälä J., Thyssen M., 2021. "Integration of Biology Sensor Ouputs in the European Marine Observation and Datat Network"	Bollettino di Geofisica, , IMDIS 2021 International Conference on Marine Data and Information Systems 12-14 April, 2021 Online Book of Abstracts, Vol.62 - Supplement, OGS (Eds), 264-265. Scientific Community (higher education Research)	12-14 April 2021
	Video	Cefas, CNRS-LOG IFREMER, SMHI, CNRS-LOV, HZG, VLIZ,, SYKE, CNRS-MIO	Creach V., Artigas L.F., Lefebvre A., Lindh M., Lombard F., Möller K.O., Schepers L., Seppälä J., Thyssen M., 2021. 2 minutes video entitled "Integration of Biological sensor outputs in the European Marine Observation and data network"	IMDIS 2021 International Conference on Marine Data and Information Systems 12-14 April, 2021 Scientific Community (higher education Research)	12-14 April 2021
	Publication	AZTI, ISMAR-CNR	Manso-Narvarte I., Fredj E., Jordà G., Berta M., Griffa A., Caballero A., Rubio A., 2020. "3D reconstruction of ocean velocity from high-frequency radar and acoustic Doppler current profiler: a model-based assessment study"	Ocean. Sci., 16, 575–591, https://doi.org/10.5194/os-16-575-2020 , 2020	2020

	Publication	AZTI	Manso-Narvarte, I.;Rubio, A.; Jordà, G.; Carpenter, J.;Merckelbach, L.; Caballero, A., 2021. "Three-Dimensional Characterization of a Coastal Mode-Water Eddy from Multiplatform Observations and a Data Reconstruction Method"	Remote Sens., 2021, 13, 674, https://doi.org/10.3390/rs13040674	2021
	Publication in Conference Proceedings	SYKE SMHI TALTECH FMI	Seppälä J., Maunula P., Haavisto N., Rehder G., Karlson B., Wranne A.W., Lips U., Kikas V., Jaanus A., London L., Laakso L.. 2021. "Transnational FerryBox Monitoring in the Baltic Sea: Common Measures for Quality Assurance"	2021 International Workshop on Metrology for the Sea; Learning to Measure Sea Health Parameters (MetroSea) 10.1109/MetroSea52177.2021.9611608	19 November 2021
	Data	TALTECH	Liblik T., Väli G., Salm K., Lips U, Laanemets J., Lilover M-J., 2022. "ADCP and GETM simulation data in the Baltic Proper [Data set] Complementary material of Liblik et al. 2022 study	Zenodo https://doi.org/10.5281/zenodo.6616795	2022
	Social Media	IH Deltares Maris	FAIR Data Webinar https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_jericoabrs3-jericoabrri-coastalobservation-activity-7206323523642892288-yRwL?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn, 1131 impressions Scientific Community (Higher Education, Research)	June 2024

	Organisation of a workshop	MIO-CNRS, SYKE, HCMR, SZN, Cefas, LOG-CNRS-ULCO	Workshop Tips and Tricks toward flow cytometry data FAIRness.	Wimereux (France) In person: 31 participants, Online (Virtuel): 9 participants. Scientific Community (Higher Education, Research)	4-6 June 2024

3.7 KPO#6: Technological innovations

JERICO-S3 will develop and integrate innovative technologies for observing coastal environments. We expect these innovations to have a high impact on many stakeholders. Most of the KPOs listed below will both be disseminated (made available to others) and their commercial potential investigated (see section 8).

Table 6a. Main Dissemination Target #6 and the associated specific Key Project Outcomes (KPOs) - from D10.1

Project Outcome identification name	WP	Related Del.	Lead partner	Objective for dissemination	Dissemination - Targeted groups	Priority (from 1 to 3)	Kick-off of the action
Result 6.1: JERICO Interoperable Instrument Module (JIIM/cEGIM)	WP7	D7.1/D 7.2/D7. 3/D7.8	PLOCAN	Making JERICO technical innovation known and used	1. End-users from research sector, 2. Sister RIS 3. Industry and possible commercialization partner 4. Blue tech clusters	3	From M12
Result 6.2 Catalogue of JERICO-RI Biological sensors	WP5	D5.1	PLOCAN	Making JERICO technical innovation known and used	1. End-users from the research sector, 2. Marine-based industry	3	**M12** (MS36)

Result 6.3: JERICO phytoplankton platform	WP7	D7.7	PLOCAN	Promote the know-how of the JERICO community on observing phytoplankton dynamics and innovative approach & technology related to it	1. Marine science community 2. National monitoring programmes / EEA 3. Other RIs: EMBRC, EMSO, ARGO, 4. Seafood farmers 5. Touristic coastal cities	2	From M12
Result 6.4: Genosensors for contaminants	WP7	D7.7	PLOCAN	Making JERICO technical innovation known.	1. End-users from research, 2. O&G industry, aquaculture industry, 3. possible commercialization partner 4. Education	3	M24
Result 6.5: Water sample filtering and preserving device (WASP)	WP7	D7.4	PLOCAN	Making JERICO technical innovation known and used. Seeking further research funds from industries for R&D continuation or further development of the technologies. encourage use to be able to collect data for future R&D development	Research Community, coastal monitoring authorities, marine-based industry, education, possible commercialization partner	3	M24 (MS37)
Result 6.6: Autonomous Coastal Observing Benthic Station (ACOBS)	WP7	D7.7	PLOCAN	Making JERICO technical innovation known and used	End-users from research, industry, education	3	M25

Result 6.7: Pelagic multisensor package (PMP)	WP7	D7.7	PLOCAN	Making JERICO technical innovation known. Seeking further research funds from industries for R&D continuation or further development of the technologies	End-users from research, O&G industry, aquaculture industry, education	3	M25
Results 6.8: JERICO e-infrastructure (for VA)	WP7	D7.6/D 7.8	PLOCAN	Making JERICO technical innovation known and used	End-users from research, industry, education	1	M25
Result 6.9a: Data-to-Product Thematic services D2PTS HF Radar	WP7	D7.5	PLOCAN	Making JERICO technical innovation known and used	End-users from research, industry, education	3	M25
Result 6.9b: D2PTS hydrology/transport	WP7	D7.5	PLOCAN	Making JERICO technical innovation known and used	End-users from research, industry, education	3	M25
Result 6.9c: D2PTS biogeochemistry	WP7	D7.5	PLOCAN	Making JERICO technical innovation known and used	End-users from research, industry, education	3	M25
Result 6.9d: D2PTS JERICO-EcoTaxa	WP7	D7.5	PLOCAN	Making JERICO technical innovation known and used	End-users from research, industry, education	3	M25

Table 6b. Dissemination Activities developed in JERICO-S3 to meet the objectives of Dissemination Target #6 and the associated specific Key Project Outcomes (KPOs)

Project Outcome identification name	Type of Action	Lead partner	Designation and Details	Local, audience, target audience, topics	Date and Link
Result 6.1: JERICO Interoperable Instrument Module (JIIM/cEGIM)	Participation to a Conference/Workshop	UPC	Martech Workshop, http://www.martech-workshop.org/, THE 9TH INTERNATIONAL WORKSHOP ON MARINE TECHNOLOGY	Online (Virtual), 60 participants Scientific Community (higher education Research)	16-18 June 2021
	Participation to a Conference/Workshop	PLOCAN, CNR, IEEE, SOCIB, NORCE, COVARTEC, IFREMER	9th EUROGOOS International Conference. JERICO-S3 integrated innovative technologies for coastal monitoring: Presentation - Eric Delory, Simone Marini, Jérôme Blandin, Catherine Boccadoro, Dominique Durand, Andrés Cianca, Joaquin Tintore, Jay Pearlman, Miguel Charcos, Miguel Ángel Alcalde, Juan Gabriel Fernandez, Laurent Delauney,	Online (Virtual) Scientific Community (higher education Research)	2021
	Publication in Conference Proceedings	PLOCAN, CNR, IEEE, SOCIB, NORCE, COVARTEC, IFREMER	Delory E., Marini S., Blandin J., Boccadoro C., Durand D., Cianca A., Tintore J., Pearlman J., Charcos M., Alcalde M.A., Fernandez J.G., Delaunay L., 2021. "JERICO-S3 integrated innovative technologies for coastal monitoring"	Proceedings of the 9th EuroGOOS International Conference. Advances in Operational Oceanography - Expanding Europe's Observing and Forecasting Capacity. 3-5 May 2021. V. Fernández, A. Lara-López, D. Eparkhina,L. Cocquempot, C. Lochet, I. Lips (Eds). EuroGOOS. Brussels, Belgium.2021, pp186-191 DOI:10.13155/83160	2021

	Website	IFREMER, PLOCAN, CNR	Coastal EGIM (cEGIM) was deployed by IFREMER on the Friday 24th April on the SMILE site on the English Channel JERICO-S3 Pilot Supersite	Website JERICO-RI Scientific Community (Higher Education, Research)	26 April 2023
	Social Media	IFREMER, PLOCAN, CNR	Coastal EGIM (cEGIM) was deployed by IFREMER on the Friday 24th April on the SMILE site on the English Channel JERICO-S3 Pilot Supersite	JERICO-RI LinkedIn, 770 impressions Scientific Community (Higher Education, Research)	26 April 2023
	Website	IFREMER	Autonomous underwater coastal observatory (cEGIM) pre-demo test activities	Website JERICO-RI, Scientific Community (Higher Education, Research)	12 January 2023
	Social Media	IFREMER	Autonomous underwater coastal observatory (cEGIM) pre-demo test activities	JERICO-RI LinkedIn, 1286 impressions Scientific Community (Higher Education, Research)	12 January 2023
	Publication in Conference Proceedings		Jirka S., Autermann C., Speckamp J., Rieke M., 2021. "SensorThings API and the OGC API family of Standards", 43-50	Proceedings of the 9th EuroGOOS International Conference "Advances in Operational Oceanography: Expanding Europe's Observing and Forecasting Capacity", 3-5 May2021 V.Fernández, A. Lara-López, D. Eparkhina, L. Cocquempot, C. Lochet,. I.Lips (Eds). EuroGOOS, Brussels-Belgium, 2021. DOI:10.13155/83160	2021
Result 6.2 Catalogue of JERICO-RI Biological sensors					

Result 6.3: JERICO phytoplankton platform	Participation to a Conference/Workshop POSTER VIDEO	Cefas	poster and 2 minutes video entitled "Integration of Biological sensor outputs in the European Marine Observation and data network" in IMDIS 12-14 April 2021	Scientific Community (higher education Research)	2021
	Participation to a Conference/Workshop PRESENTATION VIDEO	CEFAS	presentation and 10 minutes video "Working towards integration of new data describing biological essential ocean variables from marine coastal ecosystems" in ASLO 22-28 June 2021	Scientific Community (higher education Research)	2021
	Publication in Conference Proceedings	CNRS	Artigas L.F. et al., 2022. Automated underway recording allow characterizing phytoplankton communities at sub-mesoscale in frontal marine systems	11th FerryBox Workshop, Helmholtz-Zentrum Hereon, Geesthacht – Germany, presentation 26pp. Scientific Community (higher education Research)	28-29 September 2022
	Publication at Conference/Workshop Proceedings / Conference material	SMHI	Karlson B., Andreasson K., Johansson J., Skjevik A.-T., Viktorsson L., Wranne A.W., 2022. "Automated Observations of Phytoplankton in the Kattegat-Skagerrak and the Baltic Sea using the imaging flowcytobot and other sensors on R/V Svea"	11th FerryBox Workshop, Helmholtz-Zentrum Hereon, Geesthacht – Germany, presentation 20p.	28-29 September 2022
	Publication	SYKE FMI	Kraft K., Seppälä J., Hällfors H., Suikkanen S., Ylöstalo P., Anglès S., Kielosto S., Kuosa H., Laakso L., Honkanen M., Lehtinen S., Oja J., Tamminen T., 2021."First Application of IFCB High-Frequency Imaging-in-Flow Cytometry to Investigate Bloom-Forming Filamentous Cyanobacteria in the Baltic Sea"	Frontiers in Marine Science 8:594144 https://doi.org/10.3389/fmars.2021.594144	2021
	Publication	SYKE	Kraft K., Velhonoja O., Eerola T., Suikkanen S., Tamminen T., Haraguchi L., Ylöstalo P., Kielosto S., Johansson M., Lensu L., Kälviäinen H., Haario H., Seppälä J., 2022	Front.Mar. Sci., 9:867695. https://doi.org/10.3389/fmars.2022.867695	2022

			"Towards operational phytoplankton recognition with automated high-throughput imaging, near-real-time data processing, and convolutional neural networks"		
Result 6.4: Genosensors for contaminants					
Result 6.5: Water sample filtering and preserving device (WASP)					
Result 6.6: Autonomous Coastal Observing Benthic Station (ACOBS)	Participation to a Conference/Workshop	PLOCAN, CNR, IEEE, SOCIB, NORCE, COVARTEC, IFREMER	9th EUROGOOS International Conference. JERICO-S3 integrated innovative technologies for coastal monitoring: Presentation - Eric Delory, Simone Marini, Jérôme Blandin, Catherine Boccadoro, Dominique Durand, Andrés Cianca, Joaquin Tintore, Jay Pearlman, Miguel Charcos, Miguel Ángel Alcalde, Juan Gabriel Fernandez, Laurent Delauney,	Online Scientific Community (higher education Research)	2021
	Publication in Conference Proceedings	PLOCAN, CNR, IEEE, SOCIB, NORCE, COVARTEC, IFREMER	Delory E., Marini S., Blandin J., Boccadoro C., Durand D., Cianca A., Tintore J., Pearlman J., Charcos M., Alcalde M.A., Fernandez J.G., Delaunay L., 2021. "JERICO-S3 integrated innovative technologies for coastal monitoring"	Proceedings of the 9th EuroGOOS International Conference. Advances in Operational Oceanography - Expanding Europe's Observing and Forecasting Capacity. 3-5 May 2021. V. Fernández, A. Lara-López, D. Eparkhina,L. Cocquempot, C. Lochet, I. Lips (Eds). EuroGOOS. Brussels, Belgium.2021, pp186-191	2021

				DOI:10.13155/83160	
Result 6.7: Pelagic multisensor package (PMP)					
Results 6.8: JERICO e-infrastructure (for VA)	Participation to a Conference/Workshop	SOCIB; IEEE; AZTI; CNR; SYKE; LOV; TALTECH; FMI; UNESCO/IODE ;	Charcos M., Pearlman F., Pearlman J., Fernández J.G., Corgnati L., Laakso L., Johansson M., Liblik T., Mader J., Mantovani C., Marini S., Picheral M., Reyes E., Rubio A., Ruiz I., Seppala J., Stemmann L., Tamminen T,, Tintoré J., 2021. " Data To Product Thematic Services Integration into e-JERICO" - Poster	Online IMDIS 2021 [online] 12-14 April 2021 Scientific Community (higher education Research)	12-14 April 2021
	Publication in Proceedings Conferece	SOCIB; IEEE; AZTI; CNR; SYKE; LOV; TALTECH; FMI; UNESCO/IODE ;	Charcos M. et al. Data to Product Thematic Services Integration into e-JERICO	Bollettino di Geofisica, , IMDIS 2021 International Conference on Marine Data and Information Systems 12-14 April, 2021 Online Book of Abstracts, Vol.62 – Supplement, OGS (Eds), 195-196	12-14 April 2021
	Participation to a Conference/Workshop	PLOCAN, CNR, IEEE, SOCIB, NORCE,	9th EUROGOOS International Conference. JERICO-S3 integrated innovative technologies for coastal monitoring: Presentation - Eric Delory, Simone Marini, Jérôme Blandin, Catherine Boccadoro,	Online (Virtual) PARTICIPANTS?? Scientific Community (higher education Research)	2021

		COVARTEC, IFREMER	Dominique Durand, Andrés Cianca, Joaquin Tintore, Jay Pearlman, Miguel Charcos, Miguel Ángel Alcalde, Juan Gabriel Fernandez, Laurent Delauney,		
	Publication in Conference Proceedings	PLOCAN, CNR, IEEE, SOCIB, NORCE, COVARTEC, IFREMER	Delory E., Marini S., Blandin J., Boccadoro C., Durand D., Cianca A., Tintore J., Pearlman J., Charcos M., Alcalde M.A., Fernandez J.G., Delaunay L., 2021. "JERICO-S3 integrated innovative technologies for coastal monitoring"	Proceedings of the 9th EuroGOOS International Conference. Advances in Operational Oceanography - Expanding Europe's Observing and Forecasting Capacity. 3-5 May 2021. V. Fernández, A. Lara-López, D. Eparkhina,L. Cocquempot, C. Lochet, I. Lips (Eds). EuroGOOS. Brussels, Belgium.2021, pp186-191 DOI:10.13155/83160	2021
	Participation to a Conference/Workshop Poster	SOCIB; IEEE; MARIS; AZTI; SMHI	Miguel Charcos, Francoise Pearlman, Jay Pearlman, Juan Gabriel Fernández, Peter Thijsse, Patrick Gorringe, Joaquín Tintoré, Miguel Ángel Alcalde. The JERICO e-Infrastructure, 2021 Poster https://www.youtube.com/channel/UCTShRuPSiFz22ZiRCS9sb7g	Online IMDIS 2021 [online] 12-14 April 2021 Scientific Community (higher education Research)	2021
	Publication Proceeding conference	SOCIB IEEE MARIS SMHI, AZTI	Charcos M., Pearlman J., Pearlman F., Férnandez J.G., Thijsse P., Gorringe P., Tintoré J., Alcalde M.A., 2021. "The JERICO e-infrastructure"	Bollettino di Geofisica, , IMDIS 2021 International Conference on Marine Data and Information Systems 12-14 April, 2021 Online Book of Abstracts, Vol.62 – Supplement, OGS (Eds), 391-320	12-14 April 2021

	Publication (Newsletter)	SOCIB	Llorens M.C., 2022. Linking JERICO-RI's Virtual and Physical Resources	JERICO-RI Newsletter, Issue 1, Keeble K. (Editor), p9 Scientific Community (Higher Education, Research) Policy Makers, Industry, General Public	May 2022
	Publication (Newsletter)	SOCIB	Espada D.R., 2022 JERICO-S3 Virtual Access	JERICO-RI Newsletter, Issue 1, Keeble K. (Editor), p10 Scientific Community (Higher Education, Research) Policy Makers, Industry, General Public	May 2022
	Website	SOCIB	SOCIB presents its research on marine data at the IMDIS 2021 Conference https://socib.es/index.php?seccion=detalle_noticia&id_noticia=463	Online, Audience: 34 General Public	19 April 2021
Result 6.9a: Data-to-Product Thematic services **D2PTS HF Radar**					
Result 6.9b: D2PTS hydrology/transport					

Result 6.9c: D2PTS biogeochemistry					
Result 6.9d: D2PTS JERICO-EcoTaxa	Publication in Conference Proceedins	Cefas, CNRS,SYKE MARIS	Creach V., Artigas L.F., Lefebvre A., Lindh M., Lombard F., Möller K.O., Schepers L., Seppälä J., Thyssen M., 2021. "Integration of Biology Sensor Ouputs in the European Marine Observation and Datat Network"	Bollettino di Geofisica, , IMDIS 2021 International Conference on Marine Data and Information Systems 12-14 April, 2021 Online Book of Abstracts, Vol.62 - Supplement, OGS (Eds), 264-265. Scientific Community (higher education Research)	12-14 April 2021

3.8 KPO#7: Virtual Access

As an INFRAIA project, JERICO-S3 is developing an ambitious activity for providing access both to the infrastructure itself through trans-national access (see section 7.8) and to services and tools for manipulating and adding value to the RI products (Virtual Access). It is therefore paramount to inform a broad community of stakeholders on the Access services provided by JERICO-S3. For the VA, the focus of the Dissemination target is given to informing, attracting (Results 7.1 and 7.2) and explaining (result 7.3).

Table 7a. Main Dissemination Target #7 and the associated specific Key Project Outcomes (KPOs) - from D10.1

Project Outcome identification name	**WP**	***Related Del.***	***Lead partner***	**Objective for dissemination**	**Dissemination - Targeted groups**	**Priority (from 1 to 3)**	**Kick-off of the action**
Result 7.1 - VA: Access statistics and service provision	WP11	D11.1/D11.3	SOCIB	Maximising access to and use of VA	End-users from research, EU, National authorities	1	M18 (MS43)
Results 7.2 - JERICO e-infrastructure / e-library (for VA)	WP7	D7.6/D7.8/D6.9	PLOCAN	To disseminate services and products towards specific stakeholders	End-users from research, industry, education	1	M25 (MS38)

Table 7b. Dissemination Activities developed in JERICO-S3 to meet the objectives of Dissemination Target #1 and the associated specific Key Project Outcomes (KPOs)

Key Project Outcome	Type of Action	Lead partner	Designation and details	Local, audience, target audience, topics	Date, Links
Result 7.1 - VA: Access statistics and service provision	Article/Publication	SOCIB	Espada D.R., 2022: "JERICO-S3 Virtual Access". JERICO-RI Newsletter, Issue 1, JERICO-RI, Keeble K. (Editor)	Paper, JERICO-RI website, Social Media	May 2022
	Website	BLIT SOCIB	Publicizing JERICO-RI VA https://www.jerico-ri.eu/2022/10/19/jerico-s3-provides-virtual-access-to-20-free-and-open-european-coastal-ocean-services/	JERICO-RI Website, Scientific Community (Higher Education, Research)	19 October 2020
	Website	BLIT IH	Hidrografico+ VA service (IH) https://www.jerico-ri.eu/2020/10/14/implementation-of-the-hidrografico-web-portal/	JERICO-RI Website, Scientific Community (Higher Education, Research)	14 October 2020
	Website	BLIT SOCIB	SOCIB Data Catalogue https://www.jerico-ri.eu/2022/06/29/socib-data-catalogue-free-and-open-access-to-regional-ocean-data/	JERICO-RI Website. Scientific Community (Higher Education, Research)	29 June 2022
	Website	BLIT SOCIB	SOCIB Thredds data server. https://www.jerico-ri.eu/2021/07/13/virtual-access-to-coastal-ocean-data-enabled-through-the-socib-thredds-data-server/	JERICO-RI Website. Scientific Community (Higher Education, Research)	13 July 2021

	Website	BLIT SOCIB	SOCIB Data Repository https://www.jerico-ri.eu/2021/12/07/machine-to-machine-access-to-socib-data-repository/	JERICO-RI Website. Scientific Community (Higher Education, Research)	7 December 2021
	Website	BLIT SMHI	SMHI Virtual Access Service https://www.jerico-ri.eu/2024/02/07/empowering-coastal-observations-smhis-century-long-expertise-in-marine-environmental-monitoring/	JERICO-RI Website. Scientific Community (Higher Education, Research)	7 February 2024
	Social Media	IH PdE	PdE Virtual Access Service https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_jericoabrs3-jericoabrva-researchinfrastructure-activity-7141358879535271936-GMi0?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn. 746 impressions Scientific Community (Higher Education, Research)	December 2023
	Social Media	IH FMI SYKE	FMI + SYKE Virtual Access Service https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_jericoabrs3-jericoabrva-researchinfrastructure-activity-7137456438041358336-pZkp?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn. 680 impressions Scientific Community (Higher Education, Research)	December 2023
	Social Media	IH PdE	HCMR Virtual Access https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_hcmr-jericoabrs3-jericoabrva-activity-7117425380797390848-JP9F?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn. 1157 impressions Scientific Community (Higher Education, Research)	October 2023

	Social Media	IH CEFAS	EcoTaxa Virtual Access https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_ecotaxa-ecotaxa-ecotaxa-activity-7153355221790810112-NMKt?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn. 934 impressions Scientific Community (Higher Education, Research)	January 2024
	Social Media	IH SOCIB	SOCIB Data Repository https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_jericoabrs3-jericoabrri-jericoabrva-activity-7207366820947759105-79MV?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn. Scientific Community (Higher Education, Research)	June 2024
	Social Media	IH CNR-ISMAR	CNR-ISMAR Virtual Access Service https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_jericoabrs3-jericoabrva-researchinfrastructure-activity-7125091581207977986-0AgG?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn. 1062 impression Scientific Community (Higher Education, Research)	December 2024
	Social Media	IH HEREON	Helmholtz-Zentrum Hereon Virtual Access Service https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_jericoabrva-jericoabrs3-jericoabrva-activity-7120780184131129345-BhYR?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn. 933 impressions Scientific Community (Higher Education, Research)	November 2023
	Social Media	IH NIVA	NIVA Virtual Access Service https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_jericoabrs3-jericoabrva-jericoabrs3-activity-7110928561116487682-2S2o?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn.1114 impressions Scientific Community (Higher Education, Research)	October 2023

	Social Media	IH IEEE	OBPS Virtual Access Service https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_jericoabrri-jericoabrva-jericoabrri-activity-7108088679184654336-pvbR?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn. Scientific Community (Higher Education, Research)	October 2023
	Website	BLIT IEEE	OBPS Virtual Access Service https://www.jerico-ri.eu/2023/08/23/virtual-access-ocean-best-practices-system/	JERICO-RI Website. Scientific Community (Higher Education, Research)	23 August 2023
	Social Media	IH	AquaDocs (https://aquadocs.org/): https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_jericoabrs3-jericoabrri-jericoabrva-activity-7212467605012398080-ItK4?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn. Scientific Community (Higher Education, Research)	June 2024
	Website	BLIT	AquaDocs (https://aquadocs.org/): https://www.jerico-ri.eu/2024/06/17/jerico-s3-offers-virtual-access-to-aquadocs-a-joint-open-access-thematic-document-repository/	JERICO-RI Website. Scientific Community (Higher Education, Research)	17 June 2024
	Social Media	IH IEEE	OceanTeacher Global Academy (OTGA) https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_jericoabrs3-jericoabrs3-jericoabrri-activity-7211231643011809280-u0XC?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn. Scientific Community (Higher Education, Research)	June 2024
	Website	BLIT	OceanTeacher Global Academy (OTGA) https://www.jerico-ri.eu/2024/06/17/jerico-s3-provides-virtual-access-funding-to-the-oceanteacher-global-academy-otga/	JERICO-RI Website. Scientific Community (Higher Education, Research)	17 June 2024

	Press Release	UNESCO/ IODE	AquaDocs launch	Virtual(Online), Audience: 1000 Scientific Community (Higher Education, Research)	17 August 2021
Results 7.2 - JERICO e-infrastructure / e-library (for VA)	Website	SOCIB	A unique entry point to facilitate virtual access to coastal ocean resources within the JERICO-S3 project https://www.socib.es/index.php?seccion=detalle_noticia&id_noticia=441&language=en_GB	Web, 151 persons General Public	20 November 2020
	Publication (Newsletter)	SOCIB	Espada D.R., 2022 JERICO-S3 Virtual Access	JERICO-RI Newsletter, Issue 1, Keeble K. (Editor), p10 Scientific Community (Higher Education, Research) Policy Makers, Industry, General Public	May 2022

3.9 KPO#8: Trans-national Access

The Dissemination Target for TA focusses on broadly informing on the TA services (calls, infrastructure capability and capacity, support from the EC, support in implementing the TA projects.). Results of TA projects and success story for research and innovation will be broadly disseminated in order to maximise interest for accessing the RI.

Table 8a. Main Dissemination Target #8 and the associated specific Key Project Outcomes (KPOs) - from D10.1

Project Outcome identification name	WP	*Related Del.*	*Lead partner*	Objective for dissemination	Dissemination - Targeted groups	Priority (from 1 to 3)	Kick-off of the action
Result 8.1 - Description of facilities in TA provision	WP8	D8.1	MI	Maximizing interest for access	End-users from research, industry, education	1	M6 (MS42)
Result 8.2 - RD&I results/success stories	WP8		MI	Share the know-how of JERICO for maximizing TA	End-users from research, EU, National authorities	1	M24 (MS59)

Table 8b. Dissemination Activities developed in JERICO-S3 to meet the objectives of Dissemination Target #8 and the associated specific Key Project Outcomes (KPOs)

Key Project Outcome	Type of Action	Lead partner	Designation and details	Local, audience, target audience, topics	Date, Links
Result 8.1 - Description of facilities in TA provision	Participation to a a Conference/Workshop	SYKE	"METROSea 2021 workshop - presentation: Seppälä et al "" Transnational FerryBox Monitoring in the Baltic Sea: Common Measures for Quality Assurance"	Online Scientific Community (higher education Research)	5 out 2021
	website	MI	Launch and promotion of Jerico-S3 First TransNational Access using Press releases via Jerico Website	Online Scientific Community (higher education Research)	1/6/2020
	Social Media	SYKE	Tweets by Finnish Marine Research Infrastructure FINMARI @FINMARI1; 19 tweets for JERICO-RI 14.8.2021-11.3.2023	Twitter, 360 persons, General Public	14/8/2021 - 11/3/2023
	website	MI	Launch and promotion of Jerico-S3 Second TransNational Access using Press releases via Jerico Website	Online Scientific Community (higher education Research)	1/4/2021
	website	MI	4 Facility of the Week blog postings on the Jerico website for the TA 2nd call	Online General Public	April-May 2021
	Website	HCMR	JERICO-S3 TA FACILITY OF THE WEEK: E1-M3A station POSEIDON https://www.jerico-ri.eu/2021/05/19/jerico-s3-ta-facility-of-the-week-e1-m3a-station-poseidon/	Online General Public	19 may 2021
	Website	MI	Launch and promotion of Jerico-S3 First and Second TransNational Access using Press releases via Jerico Website	Online Scientific Community (higher education Research)	1 June 2020 & 1 April 2021

	Article/Publication	MI	Loughlin C., Gaughan P., 2022: "JERICO-S3 Transnational Access Open its 3rd Call". JERICO-RI Newsletter, Issue 1, JERICO-RI, Keeble K. (Editor)	Scientific Community (higher education Research), Industry	May 2022
	Publication (Newsletter)	MI	Loughlin C., Gaughan P., 2022. "JERICO-S3 Transnational Access Open its 3rd Call"	JERICO-RI Newsletter, Issue 1, Keeble K. (Editor), p8 Scientific Community (Higher Education, Research) Policy Makers, Industry, General Public	2022
	Website	BLIT MI	Announcement of JERICO-S3 1sr TA call press release https://www.jerico-ri.eu/2020/10/14/jerico-s3-transnational-access-call-press-release/	JERICO-RI website. Scientific Community (Higher Education, Research), Industry,	14 October 2020
	Website	BLIT MI	Announcement of JERICO-S3 2nd TA call press release https://www.jerico-ri.eu/2021/03/29/jerico-s3-2nd-call-for-transnational-access-now-open/	JERICO-RI website. Scientific Community (Higher Education, Research), Industry	29 March 2021
	Social Media	IM	11 tweets on the Jerico twitter page relating to TA calls 1 & 2	Virtual (Online) General Public	June 2020 - July 2021
Result 8.2 - RD&I results/success stories	Videos/Film	SYKE	Videos for FINMARI Researcher Days JERICO session, and for GoF Mesocosm TA experiment at FINMARI YouTube Channel. https://www.youtube.com/channel/UCTShRuPSiFz22ZiRCS9sb7g	YouTube, audience: 100, General Public	2022-2023

	Presentation at Workshop	RWS NIVA	Borst K., Rijkeboer M., Sørensen K., Jaccard P., 2022. "Status and future plans of the new "Connector FerryBox-line" in the North Sea as a contribution to MSFD reporting on euthrophication (Follow-up-Genua 2019) - Experiences from JMP-Eunosat, Jerico-S3, TA project APHYMOSO and NORSOOP".	11th FerryBox Workshop, Helmholtz-Zentrum Hereon, Geesthacht – Germany, presentation 25p. Scientific Community (higher education Research)	28-29 September 2022
	Publication at Conference/Workshop Proceedings	MI, IFREMER	Loughlin C., Gaughan P., Berry A., Godiveau L., Delaunay L., 2023. "JERICO-RI: A Decade of Delivering Access to Strengthen Operational Oceanography in Europe"	Proceedings of the 10th EuroGOOS International Conference. European Operational Oceanography for the ocean we want - addressing the UN Ocean Decade challenges. 3-5 October 2023, Galway, Ireland. Eparkhina, D., Nolan, J.E. (Eds). EuroGOOS. Brussels, Belgium. 2023, pp. 395-399. http://hdl.handle.net/10793/1883	2023
	Publication (Newsletter)	MI	Loughlin C., Gaughan P., 2022. "JERICO-S3 TA Program Supports Strong RI-RI Collaboration"	JERICO-RI Newsletter, Issue 1, Keeble K. (Editor), p11 Scientific Community (Higher Education, Research) Policy Makers, Industry, General Public	2022

	Website	BLIT	TA Facility of the Week Campaign https://www.jerico-ri.eu/2021/05/19/jerico-s3-ta-facility-of-the-week-e1-m3a-station-poseidon/ https://www.jerico-ri.eu/2021/05/07/jerico-s3-ta-facility-of-the-week-cosyna-slocum-g2-glider/ https://www.jerico-ri.eu/2021/04/29/jerico-s3-ta-facility-of-the-week-niva-research-station-and-ferryboxes/ https://www.jerico-ri.eu/2021/04/20/jerico-s3-ta-facility-of-the-week/ https://www.jerico-ri.eu/2022/04/14/jerico-ta-facility-highlight/	JERICO-RI website Scientific Community (Higher Education, Research), Industry	7 May 2021
	Social Media	IH	https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_jerico-s3-4th-call-for-transnational-access-activity-6988893092783247360-TUa-?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn Scientific Community (Higher Education, Research)	May 2021
	Website	BLIT IM	Publicising project funded under 1st JERICO-S3 TA call https://www.jerico-ri.eu/2021/07/06/jerico-s3-funds-new-19-projects-on-10-jerico-ri-marine-observatory-facilities-through-the-first-call-of-its-transnational-access-ta-programme/	JERICO-RI website Scientific Community (Higher Education, Research), Industry	6 July 2021
	Website	BLIT IH	PLOCAN glider deployment during CBONDEX TA project https://www.jerico-ri.eu/2024/04/08/transnational-access-to-plocans-vimas-fleet-within-the-european-project-jerico-s3/	JERICO-RI website Scientific Community (Higher Education, Research)	8 April 2024

	Social Media	IH	PLOCAN glider deployment during CBONDEX TA project https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_jericoabrs3-ta-jericoabrs3-activity-7182024303347986435-B15O?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn, 2211 impressions Scientific Community (Higher Education, Research)	April 2024
	Social Media	IH SYKE CNR HCMR	Publicizing 'Joint JERICO-S3 and AQUACOSM-plus study on Baltic Sea heatwaves' JS3 TA project. https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_ta-jericoabrs3-aquacosm-activity-7032021536970547200-LOtp?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn Scientific Community (Higher Education, Research)	2022
	Social Media	IH	Publicizing JERICO-S3 TA project HYDRA on CNR facility in deep-sea Sicily and Corsica Channel. Video report of cruise. https://www.linkedin.com/posts/jerico-ri-european-infrastructure-3a9311211_transnational-access-ta-activity-7011297760897314817-_RGR?utm_source=share&utm_medium=member_desktop	JERICO-RI LinkedIn. Scientific Community (Higher Education, Research)	October 2022
	Social Media	IH HCMR	Publicizing JERICO-S3 TA project LASE-NOPAH https://www.jerico-ri.eu/2022/09/23/lase-nopah-ta-levels-and-air-sea-exchange-of-nitrated-and-oxygenated-polycyclic-aromatic-hydrocarbons-in-the-cretan-sea/	JERICO-RI LinkedIn. Scientific Community (Higher Education, Research)	23 September 2022

	Website	RBINS	JERICO-S3 Request for User Stories https://odnature.naturalsciences.be/mumm/en/blog_news/post_1179	Web Industry	7 July 2020

3.10 Assessing the Impact of Project Dissemination

A quantitative evaluation of how well the JERICO-S3 Dissemination activities described in sections 3.2 to 3.9 contributed to the overall goal of open the project results to the broad community of users and stakeholders and maximize the impact of the knowledge and results produced, is provided here based on a set of Key Performance Indicators (KPIs) for project Dissemination.

The selected KPIs were selected evaluate the performance of the Dissemnationation activities of the project in regards to:

- ➢ The Dissemination of knowledge and results through published materials, either directed to experts in the different domains of marine science and technology or directed to a broader audience. To evaluate these
  - KPI #1: Number of Scientific Publications in peer review journals. In JERICO-S3 a **target value of 15 publications** (3 publications per year of the project) was assumed.
  - KPI #2: Number of Scientific Publications in Conference Proceedings or similar. A **target value of 25 publications** in Conference Proceedings or similar was assumed, corresponding to a strong participation of the JERICO-S3 in the activities of dissemination of results considered, corresponding to a indicating that during the period of the project
  - KPI #3: Number of Publications directed to a broad disseminations of JERICO-S3 among the diversified range of JERICO-RI target audience, identified for example in deliverable D10.4. These include, among others, publications in the project Newsletter, press-releases or in articles in the press. A **target value 45 publications** for the duration of the project (10 publications per year) was assumed.
- ➢ The Dissemination activities aiming transfer of knowledge/results and engagement through direct meeting with key Users and Stakeholders such as representatives of national governments, the national community involved in coastal ocean observation or key users. To evaluate how JERICO-S3 developed this component of Dissemination the following two KPIs were defined:
  - KPI #4: Number of Meetings. A **target value of 9 meetings** (2 meetings per year during the 4.5 years of duration of the project) were considered
  - KPI #5: Number of participants in each meeting. A **target value of 2 participants** per meeting was considered, assumed as a baseline value. The information provided by this KPI should be assumed as indicative and not be directly translated in quantitative comparison between different meetings. Note tha, for example, the impact of a meeting with one high level member of national government can be comparable or higher than the impact of a meeting with several representatives of governmental agencies.
- ➢ The Dissemination of knowledge and results promoted through the digital communication channels, evaluated using the following KPIs:
  - KPI #6: Number of new information (new pages/info) inserted in JERICO-RI website. A **target value of 42** was assumed corresponding to a new page/info introduced on each project month of the project.
  - KPI #7: Number of visitors to the website page. A **target value of 420 visitors** was assumed, corresponding to 10 visitors to each one of the pages/new information published on the website.
  - KPI #8: Number of post published on Social Media A **target value of 42 posts in, at least, one of the Social Media channels** was assumed, corresponding to a new post introduced on each month of the project.
  - KPI #9: Number of followers/subscribers/impressions triggered by the posts published in Social Media channels. A **target value of 420 followers/subscribers/impressions** was assumed, corresponding to 10 followers/subscribers/impressions for each one of the 42 post per year a new post introduced on each month of the project.

- The Dissemination of knowledge and results and engagement with key communities through main events such as Conferences, Workshops and others, evaluated using the following KPIs:
  - KPI #10: Number of Conferences, Workshops and Seminars organized or co-organized by JERICO-S3, providing a mechanism for JERICO-RI partners to gather with different communities of Users and Stakeholders to discuss subjects of common interest in coastal ocean sciences and technologies. A **target value of 5** was assumed, corresponding to the organization of one such event per year of the project.
  - KPI #11: The number of participants in each one of the events organized or co-organized by JERICO-S3. The **target value of 100 participants** was assumed, corresponding to 20 participants in each one of the target 5 events considered in the previous KPI.
  - KPI #12: Number of participation of JERICO-S3 partners in Conferences, Workshops or Seminars organized outside the JERICO-S3 project. A **target value of 50 participations** was assumed, corresponding to an ambitious involvement of JERICO-S3 partners in these events, with 10 participations per year of project partners in events organized outside JERICO-S3.
- The transfer of knowledge in coastal ocean observation, and best practices, transmitted among the JERICO-RI partners (in this case, contributing to the harmonization of methodologies and practices in JERICO-RI community) and to different target audiences outside the RI community. Two KPIs were defined to measure the performance of the project in this regards:
  - KPI #13: Number of Training Workshops or Webinars organized by the JERICO-S3 project. A **target value of 4** was assumed, corresponding to the organization of one training event per year, in the period 2020 to 2023.
  - KPI #14: The number of participants in each one of the Training Workshops or Webinars organized or co-organized by JERICO-S3. The **target value of 40 participants** was assumed, corresponding to 10 participants in each one of the target 4 training events considered in the previous KPI.
- The specific Dissemination of JERICO-S3 knowledge and results and the promotion of engagement with the different RIs that populate the European landscape of RIs (specifically addressed in KPO1) and with European projects that can complement and articulate with JERICO-RI. The evaluation of how JERICO-S3 Dissemination promote this specific Dissemination goal was achieved using the following KPI:
  - KPI #15: Number of Events organized by other RIs or other European Projects in which JERICO-S3 partners were participating. A **target value of 13** was assumed, corresponding to JERICO-S3 participation in 3 of such events per year, during the full duration of the project.

The table below synthesises the information provided in the detailed tables of sections 3.2 to 3.9 in a quantitative expression of JERICO-S3 Dissemination performance, using the KPIs defined above. The results show that the target values initially assumed, even those that clearly reflected a high level of ambition, were exceeded. This reflects certainly the high availability manifested by all the partners in JERICO-S3, all allow the project to explore extensively the different mechanisms to promote knowledge exchange, open share of results and the engagement of the target audiences. But it also reinforces the idea, expressed before, that JERICO-RI has a high potential in engaging different audiences, a potential that should be extensively explored in the subsequent steps of implementation of the European Research Infrastructure for the Coastal Ocean.

Channel	*KPI*	*Main Target Key Project Outcomes (KPOs)*								*Total*
		#1	*#2*	*#3*	*#4*	*#5*	*#6*	*#7*	*#8*	
Publications	Number of Scientific Publications in peer Review journals	0	0	19	3	2	2	0	0	26
	Number of Scientific Publications in Conference Proceedings/ similar	4	0	9	10	3	8	0	1	35
	Number of Publications for general dissemination	12	0	8	39	0	2	2	2	65
Meetings with Users & Stakeholders	Number of meetings	16	0	0	0	0	0	0	0	16
	Number of Participants in meeting	120	0	0	0	0	0	0	0	120
Website	Number of new pages/info	11	0	8	4	1	3	11	13	51
	Number of visitors	594		2M	1000	108	34			>2M
Social Media	Number of posts	6	0	46	1	1	2	12	18	86
	Number of followers/subscribers	4937		1041			3142	6626	100	15846
Conferences, Workshops & Seminars	Number of Events Organized by JERICO-S3 project	0	5	6	5	4	0	0	0	20
	Participants in events organized by JERICO-S3 project	0	220	365	843	100	0	0	0	1528
	Participation in events not organized by project	12	3	40	5	4	8	0	2	74
Training Workshops & Webinars	Number of Training events organized by JERICO-S3 project	1	0	0	3	1	0	0	0	5
	Number of Participants in training events organized by JERICO-S3	60	0	0	84	19	0	0	0	163
Events with other RIs or EU projects	Number of Events with participation of JERICO-S3 partners	15	1	2	0	0	0	0	0	18

4 Exploitation plan beyond the end of JERICO-S3

4.1 Exploitation structure

The Exploitation Plan (EP) was structured through the following four main exploitation targets:

Exploitation structure	
1	Technological innovations
2	Access
3	Best practices
4	International cooperation

Each exploitation target encompasses several Key Exploitable Results (KER) (Figure 2). The KER development plan for the Common Exploitation Booster has been adopted for optimising the implementation of the EP. All KERs will be developed during the project and exploited during the project and beyond the lifetime of JERICO-S3.

KERs under Target 1 have a commercial potential. For those KER aspects of ownerships, IPR and possible joint exploitation by JERICO-RI partners or in cooperation with sister RIs has been addressed. Specific exploitation agreements have been established between relevant partners, as appropriate, in order to ensure the long-term impact of the JERICO-S3 innovations and know-hows.

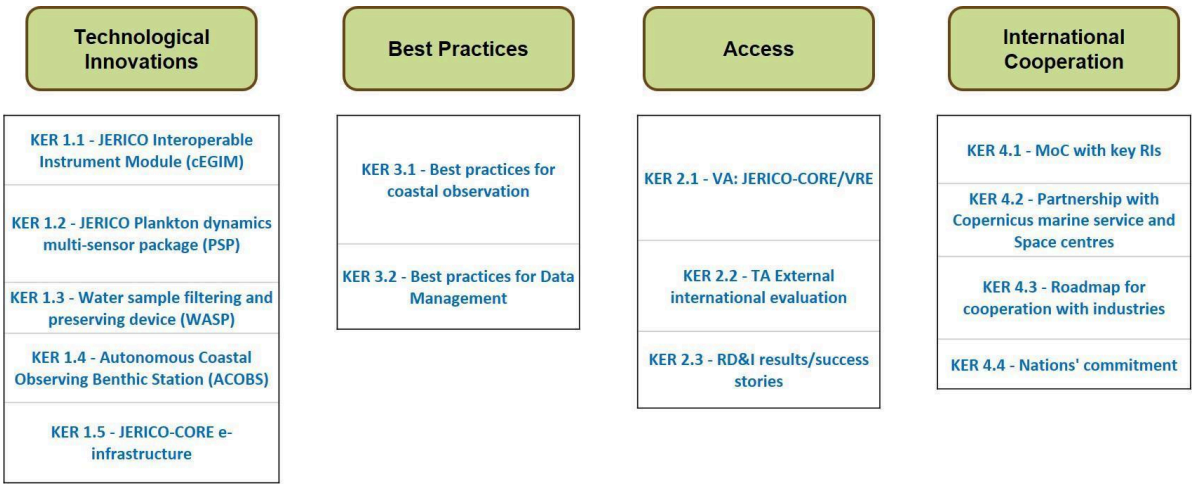


Figure 2 – JERICO-S3 Key exploitable results and their categorisation.

4.2 Exploitation plan for KERs

In this section, a status of the plan for exploitation of the fourteen KERs, in the short-term, is summarised. Intellectual Property Rights (IPR) issues have been solved between partners.

1.1.1 Technical innovations

Five innovations have been pursued during JERICO-S3. KER1.1 is a generic AI-enabling IoT module, preparing future smart observatories. KER1.2 (PSP) and 1.4 (ACOBS) are related to integrated observing systems dedicated to the study of specific coastal processes, respectively for the pelagic and for the benthic compartments. KER1.3 (WASP) is dedicated to progressing in observing biological information (i.e., eDNA). A platform dedicated to supporting access to JERICO services has also been designed (JERICO-Core).

KER #1.1	**JERICO coastal Interoperable Instrument Module (cEGIM-COSTOF$_2$)**	
Delivrables	**D7.4, D7.7, D7.9**	
Description	The JERICO Interoperable Instrument Module (JIIM) design has been developed based on the EMSO ERIC's EGIM (EMSO Generic Instrument Module), taking advantage of its high TRL, modularity and embedded computing capability. The JIIM (renamed coastal-EGIM) has been designed according to coastal constraints: inexpensive housing for shallow water, reinforced antifouling capabilities compared to deep sea application needs. The interoperability with EMSO standards has also been guaranteed. At the heart of the cEGIM lies the COSTOF2 module that power and control submarine observatory sensors and retrieve their data in real time.	
IPR	Ifremer	
Partner involved	PLOCAN, UPC, 52°N, CNR	
Specific objectives	To investigate **new commercial opportunities** on the basis of new developments (algorithmics) and sensor payload for biogeochemistry and biology.	
Who will benefit	A company under Ifremer license for the upgraded COSTOF2 module	
Exploitation form	Product / patenting	
Exploitation pathway	Industrial partner for production	

KER #1.2	**Plankton dynamics sensor package (PSP)**	
Deliverables	**D7.4, D7.7, D7.9**	
Description	Smart multi-sensor plankton package developed in WP7, prepared and verified in stand-alone and cabled configuration in IRS of JERICO	
IPR	Ifremer	
Partner involved	CNRS, COV	
Specific objectives	To investigate commercial opportunities. Integration of the new sensors into monitoring strategies and platforms. Seeking further research funds from industries for R&D continuation or further development of the technologies. Encourage use to be able to collect data for future R&D development.	
Who will benefit	Global coastal research community, EU policy (including MSFD), local authorities (water quality, phytoplankton bloom	
Exploitation form	Technological product and scientific publications. Seeking further research funds from industries for R&D or further development of the technologies.	
Exploitation pathway	Industrial partner for production	

KER #1.3	**Water sample filtering and preserving device (WASP)**	

Deliverables	**D7.4, D7.7, D7.9**

Description	The WASP (Water Sample filtering and Preservation device) is providing an automation capability for filtering, fixation and preservation of water samples for further lab analysis, enabling non-real-time high frequency measurements of emerging contaminants, biogeochemistry (nutrients) and biological analyses (DNA sequencing, metabarcoding and gene expression). Deployed in Ferrybox flow-through system as part of JERICO-S3
IPR	NIVA

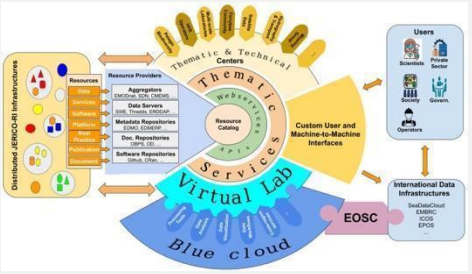
Partner involved	NIVA, IRB
Specific objectives	Promote scientific benefit from the WASP. Adapt the technology to other JERICO platforms. Consolidated and streamlined WASP to fill the gap between sensors observations on observing platforms and manual sample collection on research vessels.
Who will benefit	Coastal observing and biological community, EMBRC. MSFD and WFD require assessments related to eutrophication, phytoplankton biomass/composition, contaminants, etc. Some national environmental agencies have already shown interest in biodiversity monitoring using eDNA sampling techniques.
Exploitation form	Adaptation of the WASP for fixed platforms and gliders to be conducted as part of JERICO preparatory phase, or a dedicated EC-INFRA project
Exploitation pathway	Collaboration agreement with Mclane.

KER #1.4	**Autonomous Coastal Observing Benthic Station (ACOBS)**	

Deliverables	**D7.4, D7.7, D7.9**

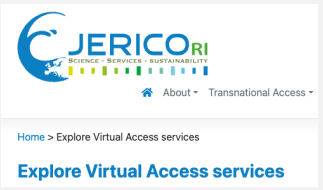
Description	The Autonomous Coastal Observing Benthic Station (ACOBS) is integrating biological sensors, video camera, sediment microprofiler, Sediment Profile Imager, and physical measurements (CTD, turbidity, current).
IPR	CNRS
Partner involved	CNRS
Specific objectives	Integration of the new sensors into monitoring strategies and platforms. Best practices in operational and integrated benthic (soft bottom) observation
Who will benefit	Scientific community (benthic biologists and biogeochemists)
Exploitation form	Integrated observing system demonstrated in an IRS during JERICO-S3, and to be demonstrated in other environmental contexts, as part of JERICO preparatory phase.

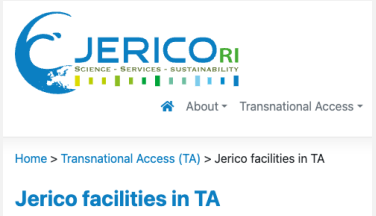
Exploitation pathway	Scientific partnerships for replication and deployment in European coastal regions.

KER #1.5	**JERICO e-infrastructure** https://ui.core.jerico-ri.eu/	
Deliverables	**D7.5, D7.6**	
Description	JERICO e-Infrastructure (JERICO-CORE) is offering a Virtual Access (VA) scalable framework that allows the visibility and access of the JERICO-S3 resources with the aim of increasing the scientific and societal impact in a long-term sustained RI	
IPR	SOCIB, EPOS	
Partner involved	IEEE, SOCIB, MARIS, IFREMER, AZTI, ETT, BLIT, IODE, CNRS- LOV, CNR, FMI, TALTECH, SYKE	
Specific objectives	To support the development of current and future JERICO services. To facilitate access to all services. To propose a common European/global platform developing joint services between Environmental Research Infrastructures	
Who will benefit	Marine Research Infrastructures	
Exploitation form	JERICO digital infrastructure front-end, back-end and linked resources. D2PTS (Data-to-Product Product Thematic Service) on HF-radar, Glider, biogeochemical multiplatform, Ecotaxa.	
Exploitation pathway	UN Decade - CoastPredict programme (JERICO-CORE based CoastPredict VA platform – CORIS). JERICO VRE in Blue-cloud (EOSC-Blue-Cloud2026 project). Dedicated joint project between marine RIs (INFRA-Dev or INFRA-Serv).	

4.3 Access

Three KERs related to services and access will be further exploited beyond JERICO-S3. KER2.1 allows virtual access to tools and methods developed by JERICO and contributes the pan-European harmonisation of practices. KER2.2 concerns the very successful transnational access activities. KER2.3 gathers success stories across all domains of JERICO-S3 (i.e., observation strategy, demonstration of novel technology, partnerships with coastal industry and public authorities, implementation of Best Practices, etc.).

KER #2.1	**Virtual Access (VA) – VRE** https://www.jerico-ri.eu/virtual-access/	
Deliverables	**D7.5, D8.3, D11.3, D11.4**	
Description	Virtual Access is providing: (1) an easy and unique point of access to JERICO resources (stock or supply of assets) required to cover the whole ocean observing value chain (in line with EPOS, SERA and ACTRIS), (2) metrics to assess access and usage of JERICO resources included in the following definition (3) integration between TA and VA.	
IPR	SOCIB, Ifremer for operation	
Partner involved	all JERICO VA contributors	
Specific objectives	Promote VA and ensure service beyond the end of the project	
Who will benefit	JERICO community: sharing of practices, harmonising, statistics on usage (impact, visibility) Science community: access to software for data processing, QA/QC, calculation of indices/indicators, guidelines on best practices. All users of JERICO data/datasets. JERICO Access service	
Exploitation form	JERICO access service / target funding opportunities for future JERICO access programmes	
Exploitation pathway	Dedicated joint project between marine RIs (INFRA-Serv). VRE at Blue-Cloud (EOSC project) VA to JERICO Virtual Lab in the Blue-Cloud VRE **(MoU to be renewed)**. EOSC-Blue-Cloud2026 JERICO related Virtual Labs. Preparation of the upcoming ESFRI proposal.	

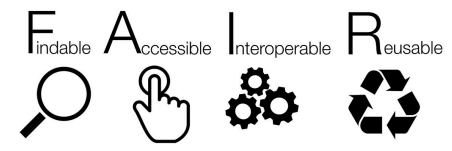
KER #2.2	**Transnational Access (TA)** https://www.jerico-ri.eu/ta/jerico-facilities-in-ta/	
Deliverables	**D8.2, D8.3, D11.4, D13.5**	
Description	Transnational access supports a wide range of users by giving free of charge access to high-quality mature infrastructures and support services at unique	

	multi-disciplinary sites consisting of a mix of gliders, fixed platforms, ferryboxes, cabled observatories, HF radar, benthic stations, and biosensors
IPR	JERICO
Partner involved	All partners contributing to TA
Specific objectives	Promote TA and ensure service beyond the end of the project
+Who will benefit	Access service - JERICO ESFRI service. Coastal observation community: either external end-users or JERICO-RI partner in order to develop research activities effectively. Coastal industries for testing/evaluation innovations (TRL6-7)
Exploitation form	JERICO RI Access Service / Target funding opportunities for future Jerico Access Programmes
Exploitation pathway	HORIZON-CL6-**LandSeaLot** project - Integration Labs involvement & cost effective Marine Technology , HORIZON-INFRA-**Aquarius TA** – multi-disciplinary/multiplatform project. **Polarin (TA), BlueMissionAA (CSA) ,** Synchro (https://oceansynchro.io/home)
Timeline	**Aquarius** - **Call 1** – Open: 11 November 2024 – 20 January 2025 **Call 2** – Open: 2 September 2025 – 28 October 2025
Status M54	Feedback from TA users. INFRA-SERV call for further provision of TA.

KER #2.3	**RD&I results/success stories**	
Deliverables	**D2.2, D7.9, D8.2, D8.3**	
Description	Very high level and/or informal record of project results to make the largest audience understand the benefit of JERICO.	
IPR	JERICO	
Partner involved	IFREMER, MI, COV, CNRS	
Specific objectives	Success story for engaging with stakeholders. To raise awareness on the need and value for a coastal RI (ESFRI) beyond JERICO-S3.	
Who will benefit	JERICO-ESFRI services Other marine RIs Coastal industries	
Exploitation form	Publication (EuroGOOS paper), GA Poster sessions , TA promotional Video, TA final Reports. TA user Survey, TA facility Survey. User testimonials.	
Exploitation pathway	Engage new JERICO-Users, stronger links with industry, more integrated facilities, Access Services with potential future revenue stream JERICO.	

4.4 Best practices and innovative monitoring strategies

KER #3.1	**JERICO-RI Best practices for coastal observation**	Ocean best practices
Deliverables	**D1.5, D5.4, D5.6, D5.7,**	
Description	A homogenised electronic handbook in the OBPS repository produced for mature coastal observing platforms: Review of the readiness level of the Best Practices (from JERICO-FP7, JERICO-NEXT and other initiatives) for: -Multiplatform implementation of a biogeochemical NRT observatory, -Best practices for sampling procedures of biological automatic sensors, -Technical recommendations for integration based on the monitored experiences in PSS/IRS.	
IPR	JERICO	
Partner involved	IEEE, IODE, AZTI, IFRMER, CNRS, CNR, SYKE, NIVA, MARIS	
Specific objectives	To endorse and implement best practices within the coastal observatories -Maximizing impact of JERICO in the European landscape. maximising interactions with stakeholders at regional level. Creating added-value for science, monitoring and sustainable growth at regional and pan-European scales	
Who will benefit	Coastal Platform operators, CMEMS, EMODnet, Platform operators, nations, bodies in charge of regional coordination of monitoring (E.g. HelCom, OSPAR)	
Exploitation form	Publication within OBPS. Implementation of the Best practices maturity model.	
Exploitation pathway	OBPS, EuroGOOS, EMB Pan-European full Implementation as part of JERICO Preparatory Phase (ESFRI roadmap)	

KER #3.2	**Best practices for Data Management** https://www.jerico-ri.eu/jerico-ri-catalogue/#/map	
Deliverables	**D6.3, D6.4, D6.5, D6.8, D6.10**	
Description	Best Practices in data management and related software from multiplatform perspective, covering the whole data lifecycle from data acquisition, processing and analysis, storage and preservation to publishing in the EU aggregators INSTAC, SeaDataNet, EurOBIS, and EMODNet regarding: ● Physical and BGC platforms ● Quantitative imaging systems	

	• Biological optical sensors • Strategy for coastal carbonate systems • FAIRness
IPR	JERICO
Partner involved	MARIS, HCMR, CEFAS, VLIZ, SMHI, ETT, SOCIB, HEREON, CNRS, CNR, Ifremer, Deltares, IEEE
Specific objectives	Maximising impact of JERICO data/datasets
Who will benefit	European scientific community, Coastal Platform operators, European aggregators (Blue Cloud, CMEMS-INSTAC, EMODnet, EurOBIS nations, Environmental surveillance authorities (e.g., EEA, Helcom, OSPAR)
Exploitation form	Publication within OBPS. Implementation and demonstration by the JERICO community
Exploitation pathway	OBPS EU aggregators Pan-European full Implementation as part of JERICO Preparatory Phase (ESFRI roadmap)

4.5 Cooperation Agreements

KER #4.1	**Cooperation Agreements with key RIs**	
Deliverables	**D2.1**	
Description	Memorandum of Collaboration signed with relevant environmental ERICs (EMSO, EMBRC, DANUBIUS, ICOS) in order to foster interoperability and synergies for contributing to a comprehensive and integrated European RI service provision.	
IPR	Ifremer on behalf of JERICO partners, Sister RIs	
Partner involved		
Specific objectives	Agree on collaborative frameworks (scientific questions, technological commonalities, common best practices/standards, etc.) with other RIs Making JERICO's positioning in the RI landscape clear and expected.	

	Initiating new collaborations between RIs
Who will benefit	JERICO consortium Sister RIs (Alignment of relevant strategy elements) EOOS Copernicus marine service Coastal industries European data aggregators
Exploitation form	Implementation of Memorandum of Collaboration
Exploitation pathway	HORIZON-CL6-LandSeaLot project (JERICO. DANUBIUS, ICOS) HORIZON-INFRA-AQUARIUS (joint TA actions marine between RIs New EU funded INFRA-Serv and INFRA-Dev projects

KER #4.2	**Partnership with CMEMS, ESA and EUMEDSAT**	
Deliverables	**D2.2**	
Description	Formal agreements of strategic connection with monitoring programs (CMEMS, ESA and EUMEDSAT) with focus on mutual interests and promotion of JERICO observations and expertise for calibration/ validation of satellite observations, for improving retrieval algorithms, and for developing joint products for end-users	
IPR	Ifremer	
Partner involved	ACRI, COV, NIVA, AZTI, SOCIB, CNR	
Specific objectives	Elaborating fit-for-purpose products. Promoting of this products/service towards different communities, Commercialisation protection/IPR	
Who will benefit	Copernicus marine Service ESA/EuMetSat	
Exploitation form	Considering Service Level Agreements (SLA) with the beneficiaries. Fit-for-purpose dedicated products for the beneficiaries	
Exploitation pathway	HORIZON-CL6-LandSeaLot aims at elaborating a common observing strategy of the land-sea interface between RIs (including JERICO), copernicus services and ESA. Specific product/service contract through answering call for tender issued by CMEMS and by ESA.	

KER #4.3	**Roadmap for cooperation with industries**	
Deliverables	**D2.2**	
Description	Cookbook for synergies and partnership models with private sector observing activities with a focus on industries making regular multi-disciplinary measurements to monitor their own activities (e.g., aquaculture, fisheries, petroleum, offshore wind farms).	
IPR	JERICO	
Partner involved	COV, ACRI, Ifremer, Plocan, SOCIB, MI, AZTI	
Specific objectives	Promoting a long-term strategy with respect to the Industry - giving confidence to investors	
Who will benefit	Coastal industries European Green Deal (EU policies)	
Exploitation form	Joint initiatives with coastal industries on: ● Technological innovations ● Data sharing ● Dedicated products ● Market consolidation	
Exploitation pathway	Ocean Enterprise initiative – creation of a European Hub Cooperation about JERICO innovations (KER1.1 – Ker1.4) towards industrialisation/commercialisation	

KER #4.4	**Nations' commitment**	
Deliverables	**D9.7**	
Description	Co-constructed approach to progress on national political and financial commitments to JERICO	
IPR	Ifremer, COV	
Partner involved	All partners.	
Specific objectives	Ensuring the long-lasting position and delivery from JERICO Entering the ESFRI roadmap 2026 Building upon already secured national commitments	
Who will benefit	JERICO consortium	

	EOOS European marine science communities
Exploitation form	Letter of Commitment
Exploitation pathway	Lesson-learned from already established commitments

4.6 From KER to JERICO services

As part of the JERICO-DS Design Study project, the current JERICO services have been consolidated and a comprehensive service structure has been designed.

Five main service areas have been defined:

- Integrated observation strategy
- Operation of observing system
- Data management and advanced products
- Access
- Technical innovations

These services will build up with time, but some aspects of them are already operational and provided to stakeholders. Figure 3 illustrates the pathways from JERICO-S3 KERs to JERICO services through the exploitation plan summarised in the previous section.

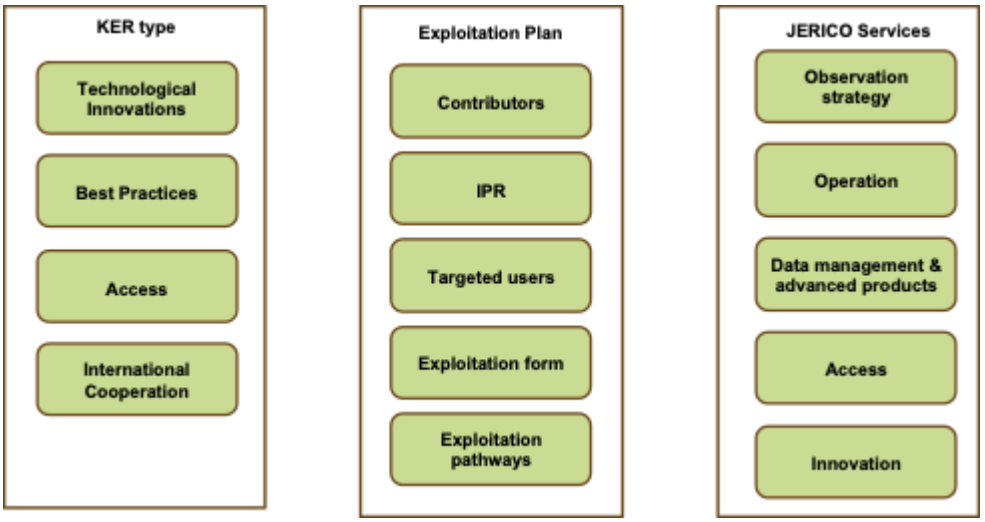


Figure 3 – Pathways from JERICO-S3 KERs to JERICO services

All KERs contribute to one or several services as envisioned by JERICO. Figure 4 summarises these contributions.

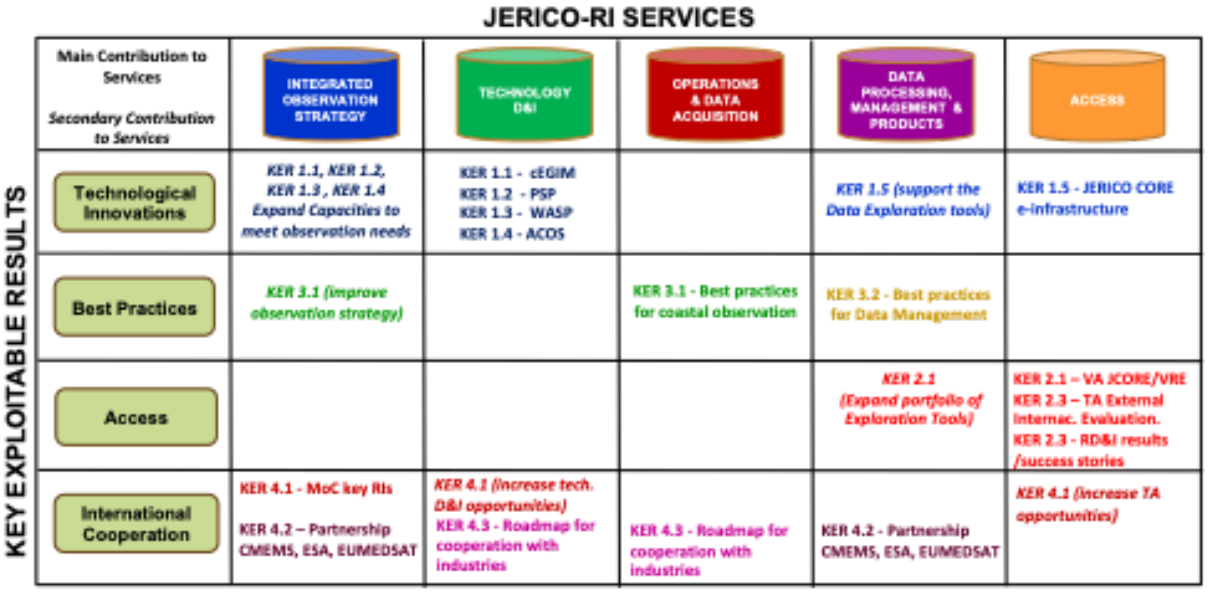


Figure 4 – Contributions of JERICO-S3 KERs to the current and future services offered by the RI.

KERs pertaining to the "technical innovations" category contributes primarily to the service "Technology development and innovation, but these innovations create also new possibility for integrated observations and will therefore contribute to increasing expertise and new solutions regarding observing strategies of some processes and/or variables, hence expanding JERICO´s capability to meet observation needs. Moreover, KER1.5 (JERICO-CORE) is expected to provide the backbone for access and for data management, processing and design of new advanced products.

If "best practices - BP" elaborated and endorsed by the JERICO community (and beyond) will be also exploited through different services, in form of expertise (Integrated observation strategies), improved operation of observing systems, and high-quality service relying on good data management practices (e.g., FAIRness, quality control and quality assessment of data, BP maturity model and endorsement procedure).

The KERs pertaining to the second category – Access – provides a strong know-how on successfully providing access to physical infrastructure, to data, and to tools for processing data. This know-how and experience, built through three consecutive INFRA-IRA projects, will be the basis of the Access service to be provided by the JERICO RI. It is worthwhile noticing that the sustainability of this service is secured for the next 4 years through newly kicked-off EU projects (AQUARIUS, LandSeaLot).

Finally, we expected KERs from the "international cooperation" category to have multiple contributions to JERICO services (Figure 4).

The MoCs (KER4.1) signed with sisters RIs are providing a roadmap for future collaboration on the observation of specific process, compartment of environmental interfaces, hence opening for new possibility regarding joint observation strategies between RIs, but also with other observers and service providers in the coastal regions, such as satellite agencies and CMEMS. Tighter partnerships with the two latter stakeholders are expected to lead to targeted services to CMEMS and to ESA in forms of data products and operational data delivery agreements, to be implemented through the" Data Management" service.

The structuration of partnerships with coastal industries will be implemented as part of the "Technology innovation" service pillar when manufacturing of JERICO innovations is concerned (it will also probably encompass joint innovation between research partners of JERICO and SMEs).

As part of its business model, JERICO also consider providing services to coastal industries that are users of the coastal ocean space, in form of commercial activity on providing expertise in designing and deploying

observing systems dedicated to specific applications (e.g., monitoring of an offshore wind field, and aquaculture licenced area or a MPA). Such services will be built upon KER4.3 (roadmap for partnership with coastal industries) and will be implemented, depending on the nature of the demand, through the service "integrated observation strategies" or the service "operation".

5 Conclusion

The JERICO-S3 project has made remarkable progress in promoting technological innovations, best practices, and fostering international cooperation, all of which play a crucial role in enhancing JERICO-RI. The Key Exploitable Results generated through the project are expected to support various JERICO services and contribute to the RI's long-term sustainability and impact.

Technical innovations, particularly those in the "Technology development and innovation" category, not only strengthen JERICO-RI's capability to meet the observation needs but also offer new possibilities for integrated observations and improved expertise in monitoring key environmental processes. KER1.5 (JERICO-CORE), in particular, is anticipated to become the backbone for access, data management, and the development of advanced products. Best practices, widely endorsed by the JERICO community and beyond, are being leveraged to improve observing systems, data management, and the overall operation of services, ensuring a strong foundation for the quality and FAIRness of data.

The KERs related to access provide valuable know-how for offering physical access to infrastructure, data, and tools for data processing. This accumulated experience, built through three consecutive INFRA-IRA projects, will be the basis of the JERICO-RI's access services, which are further reinforced by the sustainability secured through EU projects like AQUARIUS and LandSeaLot.

KERs from the "International cooperation" category have laid the groundwork for future collaboration, particularly through MoCs (KER4.1) signed with sister RIs. These agreements open new opportunities for joint observation strategies and tighter partnerships with key stakeholders such as satellite agencies and CMEMS, further supporting JERICO-RI's data management and operational service delivery. The structuration of partnerships with coastal industries also highlights JERICO's ambition to extend its impact on technology innovation and joint efforts between research partners and SMEs.

JERICO's business model also envisions offering tailored services to industries operating in the coastal ocean space, such as providing expertise for monitoring offshore wind fields, aquaculture areas, or marine protected areas. These services will be built on KER4.3 (the roadmap for partnerships with coastal industries) and will be implemented through integrated observation strategies or operational services, depending on the specific demand.

In conclusion, the JERICO-S3 project has significantly strengthened JERICO-RI's capabilities and positioned it to meet the evolving needs of the coastal ocean community. The broad range of technical, operational, and collaborative achievements ensures that JERICO-RI is well-prepared to continue advancing its services, facilitating knowledge exchange, and engaging with diverse stakeholders in the years to come.