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JERICO-S3 D10.1 Dissemination and Exploitation Plan

DELIVERABLE NUMBER: **D10.1**

WORK PACKAGE N° and NAME: WP10 - Dissemination, communication and engagement with stakeholders

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Executive Summary

To maximise its impact and its visibility, JERICO-S3'd impact and visibility actions relies on three highly inter-connected 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 Maximizing the impact of the project

To maximise its impact and its visibility, JERICO-S3 is dependent on three highly inter-connected activities and their subsequent plans (Figure 1):

- A comprehensive Communication Plan (**CP**) (Deliverable D10.2) to provide the tools and the activities for communicating optimally and efficiently to a range of identified stakeholders,
- 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.

Figure 1. The three pillars of JERICO-S3 Impact strategy.

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.

This document presents JERICO-S3 DEP.

3 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)

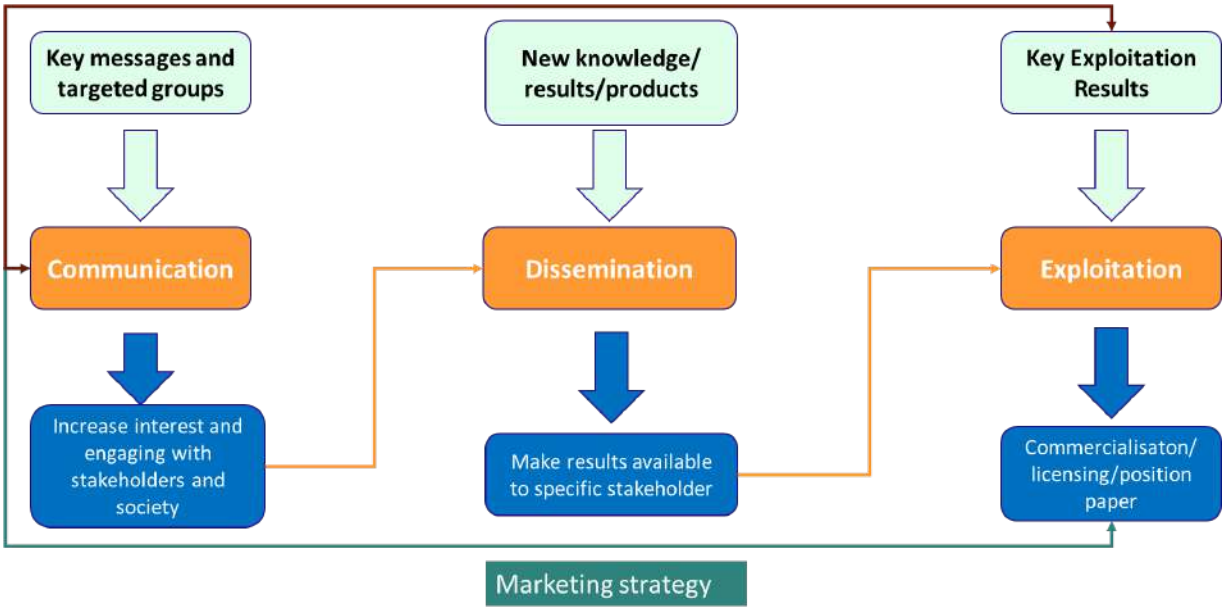


Figure 2. Connecting Communication, Dissemination and Exploitation in JERICO-S3.

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.

4 Approach for developing the Dissemination Plan

4.1 Structuring Dissemination activities

In a first approach to setting up the DEP, our analysis consisted of (1) identifying all expected "Key Project Outcomes" (KPO) that cut across the entire project and work packages, as described in the DoA; (2) identifying the targeted audience (3) discussing the means of use (dissemination, exploitation or both). The complete list of Key Project Outcomes is presented in section 6.

Based on this initial analysis, we identified major trans-DoA themes around which to structure and classify the key project outcomes. These themes are the basis of the dissemination & exploitation activities.

The dissemination plan (DP) is structured through 8 main targets/type of results, as followed:

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.

The detailed Dissemination plan is presented in section 6.

4.2 Reflectivity and priorities for the DP

An *a priori* list of Key Project Outcomes (KPO) were worked out by WP10 and submitted to the consortium for consideration, quality checking and for setting priorities. In order to involve as many partners as possible, we initiated a consultation phase with the WP leaders and members of the JERICO-S3 Steering Committee, gathering 24 participants. For each of the Dissemination targets, they were asked to rank the KPOs according to their priorities. The output from this activity is important to help us to optimally allocate the finite resources, to prioritise actions and collectively decide on the direction to take in this project.

To conduct this exercise of the co-design of the DP, we used an internet based interactive tool (Beekast). Each participant was allocated a number of points to be distributed among the different KPOs (the more points = the more important for the "player"). The table below shows the KPOs by Dissemination Target and the number of points to be distributed by the 24 participants:

Outcome theme	Project Outcome identification	Number of 'points' to allocate per participant
1. Strengthening JERICO-RI position in the European Landscape	1.1: Coastal component of EOOS/JERICO-RI (inc. inventory of platform, dataset and data products, common action plans, etc.)	21
	1.2a: Cooperation Agreement with DANUBIUS	
	1.2b: Agreement with AQUACOSM	
	1.2c: Agreement with EMSO-ERIC	
	1.2d: Agreement with ICOS-OTC	
	1.3: Contribution in ENVRI	
	1.4: Collaboration with LifeWatch, EMBRC, eLTER, EuroArgo	
	1.5: Partnership with CMEMS, ESA and EUMEDSAT	
	1.6: RI Design (incl. organisation, structure, governance)	
	1.7: Nations' commitment	
2.Reinforcing European competitiveness thanks to JERICO-S3	2.1: Joint international activities - USA/Canada - best practices	13
	2.2: Joint international activities - Black Sea - Best practices - joint observation/monitoring	
	2.3: Joint international activities - North Africa - Best practices - joint observation/monitoring	
	2.4: Information to policies	
	2.5: Citizen science (incl. Report of coastal citizen science adoption options and harmonisation)	
3.Scientific strategy & Innovative monitoring strategies	3.1: Long-term European vision & strategy (incl. science strategy)	8
	3.2: Regionalization & observation strategies	
	3.3: Regional strategies (innovative monitoring in ISR/PSS)	
4.Best practices	4.1a: Recommendation for Multiplatform implementation of a biogeochemical NRT observatory	26
	4.1b: Best practices for sampling procedures of biological automatic sensors	
	4.1c: Technical recommendations for integration based on the monitored experiences in PSS/IRS	
	4.2a: Best practices for data Management: Physical and BGC platforms	
	4.2b: Best practices for data Management: Quantitative imaging systems	

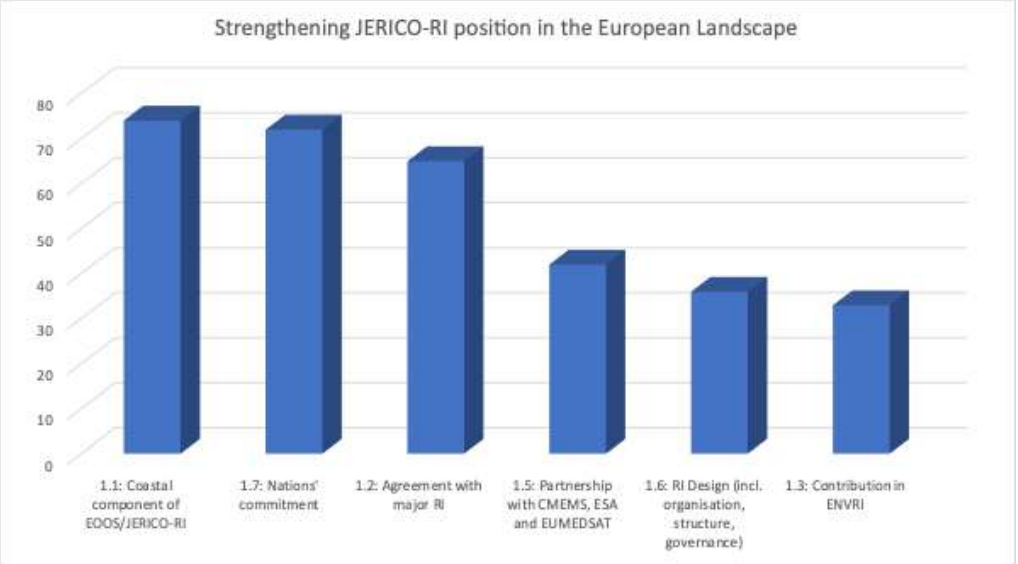
	4.2c: Best practices for data Management: Biological optical sensors	
	4.2d: Best practices for data Management:Strategy for coastal carbonate systems	
	4.3: Harmonization tools	
5.High quality coastal datasets	5.1: JERICO S3 FAIR Data (Data Management Plan, FAIRness evaluation & implementation reports)	N/A
6.Technological innovations	6.1: JERICO Interoperable Instrument Module (JIIM)	26
	6.2: Catalogue of JERICO-RI Biological sensors	
	6.3: JERICO phytoplankton platform	
	6.4: Geno-sensors for contaminants (oil, plastics, heavy metals	
	6.5: Water sample filtering and preserving device (WASP)	
	6.6: Autonomous Coastal Observing Benthic Station (ACOBS)	
	6.7: Pelagic multisensor package (PMP)	
	6.8: JERICO e-infrastructure (for VA)	
	6.9a: Data-to-Results Thematic services: D2PTS HF Radar	
	6.9b: D2PTS hydrology/transport	
	6.9c: D2PTS biogeochemistry	
	6.9d: D2PTS JERICO-EcoTaxa	
7.Virtual Research Environment (VRE)	7.1: VA: Access statistics and service provision	5
	7.2: JERICO e-infrastructure / e-library (for VA)	
8.ACCESS to infrastructure	8.1: Description of facilities in TA provision	5
	8.2: RD&I results/success stories	

The main outcomes of the Beekast are presented in the following sub-sections 5.2.1 – 5.2.5.

4.2.1 Strengthening JERICO-RI position in the European landscape

With regard to the strengthening of JERICO-RI's position in the European landscape, three elements stand out:

- Becoming the coastal component of EOOS (74 points)
- Gathering the commitment of nations (72 points)
- Developing partnerships with major IRs (64 points). We asked participants in detail about the RIs involved, the importance given to each of the bilateral agreements was equivalent (between 14 and 18 points each).



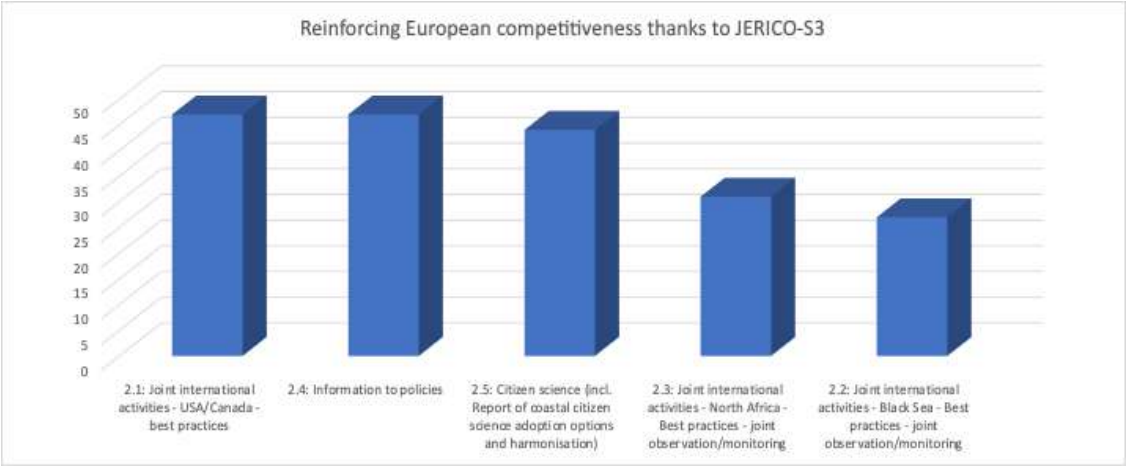
The 3 aspects that emerged as "less important" to reinforce the positioning of JERICO-RI were:

- Partnerships with CMEMS, ESA and EUMEDSAT
- RI Design
- Contribution to ENVRI

4.2.2 Reinforcing European competitiveness thanks to JERICO-RI

As far as the strengthening of European competitiveness through the JERICO-RI is concerned, three elements also stand out:

- Joint international activities - USA/Canada - best practices (47 points)
- Information to policies (47 points)
- Citizen science (incl. Report of coastal citizen science adoption options and harmonisation) (44 points)



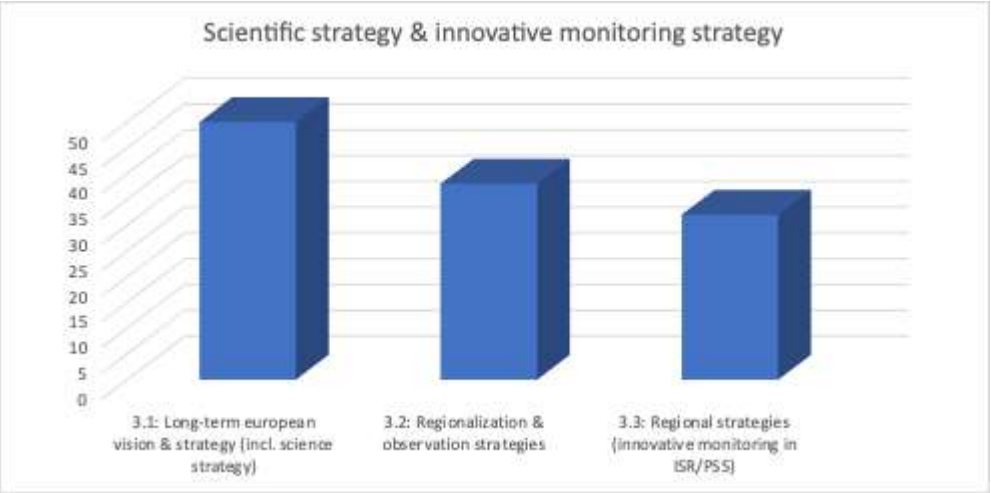
The 2 aspects that emerged as less important for strengthening competitiveness were:

- Joint international activities - North Africa - Best practices - joint observation/monitoring (31 points)
- Joint international activities - Black Sea - Best practices - joint observation/monitoring (27 points)

4.2.3 Scientific strategy & innovative monitoring strategies

The present consultation work on the scientific strategy and innovative monitoring allows us to rank the objectives in order of increasing interest of the JERICO-S3 representatives:

1. Long-term European vision & strategy (incl. science strategy) (50 points)
2. Regionalisation & observation strategies (38 points)
3. Regional strategies (innovative monitoring in ISR/PSS) (32 points)



4.2.4 Best practices

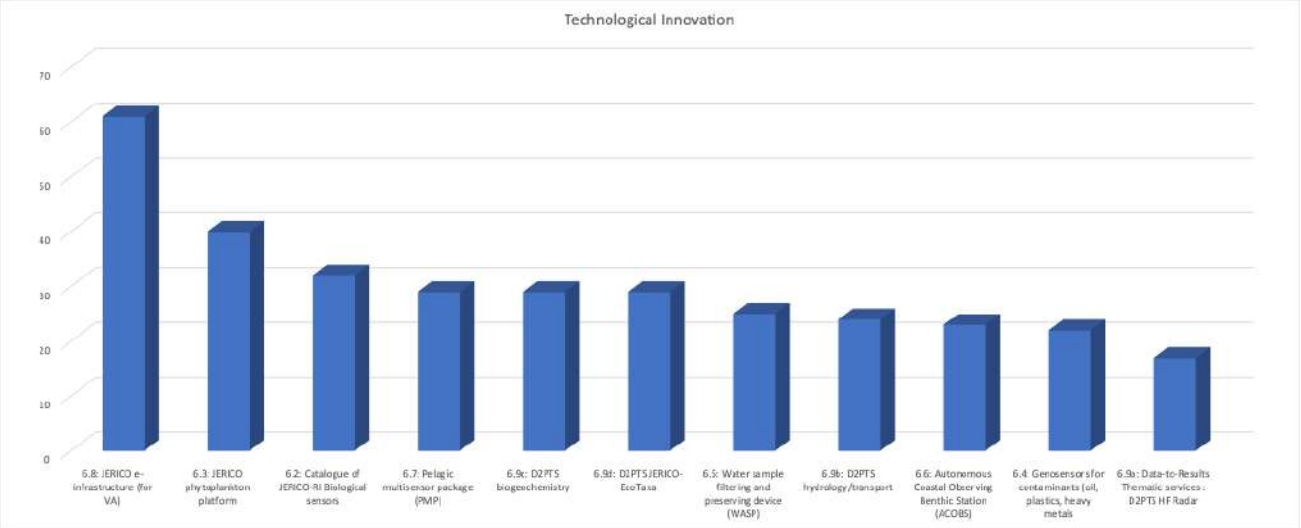
The consultation on Best Practices did not reveal any major priorities or, conversely, themes that would generate significant disinterest since all responses received a number of points between 36 and 59.

Three topics stand out slightly:

- Harmonisation tools (59 points)
- Best practices on Data management of Physical and BGC platforms (58 points)
- Integration based on the monitored experiences in PSS/IRS (55 points)

4.2.5 Technological innovations

Concerning the interest in the numerous technological innovations targeted by the JERICO-S3 project, JERICO e-infrastructure seems to crystallize the most interest (61 points). Then comes the JERICO Phytoplankton platform (40 points), and then all the other innovations, which cover all the themes of coastal observation. The fact that all the innovations are also supported thus indirectly confirms that our community is representative of the European scientific community and is concerned with covering a broad spectrum of technological progress. No one is left out.



In conclusion, this exercise of shared reflection around the main priorities of dissemination and exploitation of the JERICO-S3 project has been very instructive and beneficial in order to better align both the process and its outcomes with the values, needs and expectations of the largest JERICO-S3 community.

While all the Key Project Outcomes identified in this document will be addressed, the priorities collected here will allow us to work on participant engagement and tailor our efforts and tools to our goals.

This will allow us to achieve a higher level of engagement from the other WPs, enabling easier access to scientific results and the take up of innovative content.

All the actions will be conducted but the resources allocated to each of them will follow the priority jointly given to each of them.

4.3 Role of JERICO-S3 WPs in the Dissemination and Exploitation strategy

The successful implementation of the DEP is dependent on close collaboration with all JERICO-S3 work packages, which are responsible to produce the KPOs and the KERs. Among the WPs, three have a special importance for the implementation of the DEP, WP2, WP7 & WP9.

4.3.1 Role of WP2 in implementing the DP

NA2: WP2 – "linking scales, communities and process" is dedicated to interactions with key stakeholders of the JERICO-RI. Among them, other marine and environmental research infrastructures, Copernicus Marine Environmental Monitoring Service (CMEMS), space agencies, marine-dependent industry, international marine conventions and national coastal monitoring programmes and the marine forecasting community. Many JERICO-S3 results will be shared or jointly exploited with and via these stakeholders.

For each Key Project Outcome or Key Exploitable Result, the DEP aims at providing a roadmap linking the results to relevant stakeholders, priorities in terms of resources to be allocated to the actions as well as a timeline for actions. It is supported by the Communication Plan, which provides the mechanism

(communication channel, key messages, communication approach) to best interact with each category of stakeholder.

The DEP will provide key timely inputs to WP2 for its dialogue and interactions with the stakeholders. The interaction calendar of WP2 will be adopted and integrated in the DEP for all KPOs and KERs of relevance for this WP.

4.3.2 Role of WP7 in implementing the EP

JRA2: WP7 – Technological Innovations is the work package where most of the technological developments and expected innovations will take place. Almost half of the identified KER will be produced by WP7, which is therefore a key provider of KERs, especially those with a potential for commercialisation.

Dedicated interaction between WP10 and WP7 will be established throughout the project in order to elaborate and update the Exploitation Plan at appropriate intervals. Ownership, joint exploitation and IPR issues will be identified and addressed jointly between the two WPs.

4.3.3 Role of WP9 in implementing the DEP

NA6: WP9 – A sustainable JERICO-RI is developing the JERICO-RI user and business strategies. WP9 is also coordinating the JERICO-RI User Community, which includes both internal and external, such as scientists, regional or local funding bodies as well as national ones, private companies, industries, and citizens. The User Committee is complementary to the work performed in WP2 by widening the stakeholder community. The user community will be an important channel for disseminating KPOs. It may also be an enabler of exploitation of specific KERs.
As part of the user strategy, WP9 is maintaining a repository of stakeholders, categories by sector of activity, nation, regions (PSS; IRS), which will provide a concrete list of targets for the dissemination actions. It is noted that the maintenance of such a repository of stakeholders and contacts fall under GDPR and will be managed appropriately.

5 Dissemination Plan

5.1 Strengthening JERICO-RI position in the European landscape

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

Seven main Key Project Results to be shared and disseminated have been identified. They 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. Note that Result-1.2 is subdivided into four specific KPOs.

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 AQUACOSM	WP2	D9.6	IFREMER/SYKE/ NORCE	Making JERICO's positioning in the RI landscape clear and unquestionable - Initiating new collaborations	AQUACOSM, 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, EMB		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, EMB		M6
Result 1.3 Collaboration with Lifewatch, EMBRC, eLTER, EuroArgo	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, EMBRC, eLTER, EuroArgo	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

5.2 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 policy making.

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

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)**

5.3 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

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/D 4.1/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

5.4 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 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.

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)

5.5 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.

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/D 6.12/D 6.7/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)

5.6 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).

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/D7. 2/D7.3/D 7.8	PLOCAN	Making JERICO technical innovation known and used	1. End-users from research sector, 2. Sister RIS	3	From M12

					3. Industry and possible commercialization partner 4. Blue tech clusters		
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/D7.8	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

5.7 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).

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)

5.8 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.

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)

5.9 Timeline for the Dissemination Plan

5.9.1 Gantt chart per Dissemination Target

Key Project Outcomes		M6	M9	M12	M15	M18	M21	M24	M27	M30	M33	M36	M39	M42	M45	M48
Strengthening JERICO-RI position in EU	**Coastal component of EOOS/JERICO-RI**							★ MS10		D1.4		D1.2 MS11		D1.3		D1.5
Strengthening JERICO-RI position in EU	**Cooperation Agreement with key RIs**	★ MS6										★ MS7	D2.1 / D2.3			
Strengthening JERICO-RI position in EU	Contribution in ENVRI														D2.5	
Strengthening JERICO-RI position in EU	Partnership with CMEMS, ESA and EUMEDSAT			★ MS9										D2.2		
Strengthening JERICO-RI position in EU	RI Design (incl. organisation, structure, governance)							★ MS48						D2.4		
Strengthening JERICO-RI position in EU	**Nations' commitment**	J-RI proposal														
Reinforcing European competitiveness	**Joint international activities - USA/Canada - best practices**													D2.4		
Reinforcing European competitiveness	Joint international activities - Black Sea													D2.4		
Reinforcing European competitiveness	Joint international activities - North Africa													D2.4		
Reinforcing European competitiveness	**Information to policies**														D2.5	
Reinforcing European competitiveness	**Citizen science**		★ MS3	D6.2												D6.11
Innovative monitoring strategies	**Long-term european vision & strategy (incl. science strategy)**															D1.5
Innovative monitoring strategies	**Regionalization & observation strategies**							D3.2		D.1.2		D3.4		D3.5		
Best practices	**JERICO-RI best practices for coastal observation**					D5.2										
Best practices	Multiplatform implementation of a biogeochemical NRT observatory	★ MS25								D5.4						
Best practices	Best practices for sampling procedures of biological automatic sensors		★ MS26									D5.6				
Best practices	**Technical recommendations for integration based on PSS/IRS**			★ MS27									D5.7			
Best practices	**Best practices for Data Management : Physical and BGC platforms**							D6.3								
Best practices	Best practices for Data Management : Quantitative imaging systems							D6.4								
Best practices	Best practices for data Management : Biological optical sensors							D6.5								
Best practices	Best practices for Data Management : coastal carbonate systems											D6.8				
Best practices	**Harmonization tools**								★ MS29			D5.5		MS64		
High quality coastal datasets	**JERICO S3 FAIR Data (Data Management Plan)**			D6.1 ★	MS35				D6.7							D6.10 / D6
Technological innovations	JERICO Interoperable Instrument Module (JIIM)					D7.1				D7.2		D7.3				
Technological innovations	**Catalogue of JERICO-RI Biological sensors**			D5.1 ★	MS36											
Technological innovations	**JERICO phytoplankton platform**													D7.7		
Technological innovations	Genosensors for contaminants (oil, plastics, heavy metals)													D7.7		
Technological innovations	Water sample filtering and preserving device (WASP)											D7.4				
Technological innovations	Autonomous Coastal Observing Benthic Station (ACOBS)													D7.7		
Technological innovations	Pelagic multisensor package (PMP)													D7.7		
Technological innovations	Data-to-Product Thematic services (D2PTS) HF Radar, hydrology/transport, biogeochemistry, JERICO-EcoTaxa							D7.5								
Virtual Access	**VA: Access statistics and service provision**					D11.1							D11.3			
Virtual Access	**JERICO e-infrastructure / e-library (for VA)**										D7.6	D7.8				
ACCESS to infrastructure	**Description of facilities in TA provision**		D8.1													
ACCESS to infrastructure	**RD&I results/success stories**															

★ Milestone

5.9.2 Gantt chart per kick-off date

RD&I results/success stories															
Coastal component of EOOS/JERICO-RI							★ MS10		D1.4		D1.2 MS11		D1.3		D1.5
Cooperation Agreement with key RIs	★ MS6										★ MS7	D2.1 / D2.3			
Long-term european vision & strategy (incl. science strategy)															D1.5
Multiplatform implementation of a biogeochemical NRT observatory	★ MS25								D5.4						
Nations' commitment	J-RI proposal														
Citizen science (incl. Report of coastal Citizen science adoption options and harmonisation)		★ MS3	D6.2												D6.11
JERICO-RI best practices for coastal observation					D5.2										
Best practices for sampling procedures of biological automatic sensors		★ MS26									D5.6				
Description of facilities in TA provision		D8.1													
Partnership with CMEMS, ESA and EUMEDSAT			★ MS9										D2.2		
Information to policies														D2.5	
Regionalization & observation strategies							D3.2		D.1.2		D3.4		D3.5		
Technical recommendations for integration based on PSS/IRS			★ MS27									D5.7			
Best practices for data Management : Physical and BGC platforms							D6.3								
Best practices for data Management : Biological optical sensors							D6.5								
JERICO S3 FAIR Data (Data Management Plan)			D6.1	★ MS35				D6.7							D6.10 / D6
JERICO Interoperable Instrument Module (JIIM)					D7.1				D7.2		D7.3				
Catalogue of JERICO-RI Biological sensors			D5.1	★ MS36											
JERICO phytoplankton platform													D7.7		
VA: Access statistics and service provision					D11.1							D11.3			
JERICO e-infrastructure / e-library (for VA)										D7.6					
Joint international activities - North Africa													D2.4		
Best practices for data Management : Quantitative imaging systems							D6.4								
Best practices for data Management : Strategy for coastal carbonate systems											D6.8				
Water sample filtering and preserving device (WASP)											D7.4				
Contribution in ENVRI														D2.5	
RI Design (incl. organisation, structure, governance)							★ MS48						D2.4		
Joint international activities - USA/Canada - best practices													D2.4		
Joint international activities - Black Sea													D2.4		
Genosensors for contaminants (oil, plastics, heavy metals)													D7.7		
Data-to-Results Thematic services (D2PTS) HF Radar, hydrology/transport, biogeochemistry, JERICO-EcoTaxa							D7.5								
Harmonization tools								★ MS29			D5.5		MS64		
JERICO e-infrastructure (for VA)										D7.6	D7.8				
Autonomous Coastal Observing Benthic Station (ACOBS)													D7.7		
Pelagic multisensor package (PMP)													D7.7		

The distribution of KPO dissemination over time shows a good distribution throughout the life of the project of significant elements to be shared.

While much of the good practice sharing activity can be launched quite quickly, dissemination around technological innovations will take longer (proof of concept development).

This calendar is an indicative plan. The JERICO-S3 dissemination strategy will be agile, reactive and adaptive to current events.

6 Exploitation plan

6.1 Exploitation structure

A similar approach was followed to develop the Exploitation Plan (EP), starting from the expected results as anticipated in the DoA and complemented with the foreseen Key Exploitable Results (KER). The KER development plan for the Common Exploitation Booster has been adopted for optimising the implementation of the EP. All exploitation activities will be structured through the following four main exploitation targets.

Exploitation structure	
1	Technological innovations
2	Services
3	Best practices
4	Cooperation Agreements

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 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.

6.2 Technical innovations

KER #1.1	**JERICO coastal Interoperable Instrument Module (c-EGIM)**
Description	The JERICO Interoperable Instrument Module (JIIM) design will be 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) will be designed according to coastal constraints: inexpensive housing for shallow water, reinforced antifouling capabilities compared to deep sea application needs. The interoperability with EMSO standards will be also guaranteed. New intelligent services coupled with web enabled sensors (WP7) will allow the JERICO-S3 research infrastructures to provide innovative observational approaches where the sensing capabilities will be automatically adapted to the dynamic relevant environmental conditions
Partner involved	IFREMER, PLOCAN, UPC, 52°N, CNR
Specific objectives	To investigate commercial opportunities
Targeted users and scales Scale (regional,	European coastal scientific community and industrial partners willing to produce and commercialize this solution (technology transfer candidate)

national, European, abroad)	
Calendar (kick-off, TRL within the project, beyond the project)	M48 (Jan 2024)

KER #1.2	**Plankton dynamics multi-sensor package (PMP)**
Description	Smart multi-sensor plankton package developed in WP7, prepared and verified in stand-alone and cabled configuration first to the PLOCAN coastal observatory, then transferred to the IRS and PSS sites of JERICO
Partner involved	NORCE, CNRS, Ifremer, PLOCAN, IRB, CNR, NIVA, SOCIB, SYKE
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.
Targeted users and scales Scale (regional, national, European, abroad)	European coastal scientific community and industrial partners willing to produce and commercialise this solution (technology transfer candidates)
Calendar (kick-off, TRL within the project, beyond the project)	M44

KER #1.3	**Water sample filtering and preserving device (WASP)**
Description	The WASP (Water Sample filtering and Preservation device) will provide 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)
Partner involved	Ifremer, PLOCAN, NORCE, IRB and NIVA.
Specific objectives	To investigate commercial opportunities
Targeted users and scales Scale (regional, national, European, abroad)	European scientific community and industrial partners willing to produce and commercialise this solution (technology transfer candidates)

Calendar (kick-off, TRL within the project, beyond the project)	First prototype around M36

KER #1.4	**Autonomous Coastal Observing Benthic Station (ACOBS)**
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) with the JIIM intelligent services.
Partner involved	CNRS, PLOCAN
Specific objectives	To investigate commercial opportunities
Targeted users and scales Scale (regional, national, European, abroad)	European scientific community and industrial partners willing to produce and commercialise this solution (technology transfer candidates)
Calendar (kick-off, TRL within the project, beyond the project)	M44

KER #1.5	**JERICO e-infrastructure (for VA)**
Description	JERICO e-Infrastructure 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
Partner involved	IEEE, SOCIB, MARIS, IFREMER, AZTI, ETT, BLIT, IODE, CNRSLOV, CNR, FMI, TALTECH, SYKE
Specific objectives	To investigate commercial opportunities
Targeted users and scales Scale (regional, national, European, abroad)	European scientific community and industrial partners willing to produce and commercialise this solution (technology transfer candidates)
Calendar (kick-off, TRL within the project, beyond the project)	Portal development: M1-M30

6.3 Services

KER #2.1	**VA: e-infra/e-library/VRE**
Description	Virtual Access is providing:

	(1) an easy and unique point of access to JERICO-RI 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-RI Resources included in the following definition (3) integration between TA and VA.
Partner involved	SOCIB, PLOCAN, MARIS, IFREMER, AZTI, CEFAS, CNR, CNRS, FMI, HCMR, HZG, IH, PdE, SYKE, TalTech, UNESCO, VLIZ
Specific objectives	Promote VA and ensure service beyond the end of the project
Targeted users and scales Scale (regional, national, European, abroad)	Coastal observation community: either external end-users or JERICO RI partner in order to develop research activities effectively.
Calendar (main milestones)	M40

KER #2.2	**TA External international evaluation**
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 bio-sensors
Partner involved	MI/SOCIB
Specific objectives	Promote VA and ensure service beyond the end of the project
Targeted users and scales Scale (regional, national, European, abroad)	Coastal observation community: either external end-users or JERICO-RI partner in order to develop research activities effectively.
Calendar (main milestones)	

KER #2.3	**RD&I results/success stories**
Description	Very high level and/or informal record of project results to make the largest audience understand the interest of an ERIC JERICO-RI
Partner involved	MI, IH, IFREMER
Specific objectives	Promote VA and ensure service beyond the end of the project
Targeted users and scales Scale (regional, national, European, abroad)	To develop the identity of the JERICO-RI community and promote the need for a coastal ESFRI during and beyond the project.

Calendar (main milestones)	M6-M48

6.4 Best practices and innovative monitoring strategies

KER #3.1	**JERICO-RI Best practices for coastal observation**
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.
Partner involved	IEEE, IODE, AZTI, IFRMER, CNRS, CNR, SYKE, NIVA, MARIS
Specific objectives	To implement best practices within the coastal observatories -Maximizing impact of JERICO-RI 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
Targeted users and scales Scale (regional, national, European, abroad)	Coastal Platform operators, CMEMS, EMODnet, Platform operators, nations, bodies in charge of regional coordination of monitoring (E.g. Helcom, OSPAR)
Calendar (kick-off, TRL within the project, beyond the project)	M20 2022->

KER #3.2	**Best practices for Data Management**
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 CMEMS, SeaDataNet and EMODNet regarding: Physical and BGC platforms Quantitative imaging systems Biological optical sensors Strategy for coastal carbonate systems
Partner involved	MARIS, CEFAS, SOCIB, HCMR, IEEE
Specific objectives	Maximizing impact of JERICO-RI in the European landscape
Targeted users and scales Scale (regional, national, European, abroad)	European scientific community, Coastal Platform operators, Blue Cloud, CMEMS, EMODnet, nations, bodies in charge of regional coordination of monitoring (E.g., Helcom, OSPAR)

Calendar (kick-off, TRL within the project, beyond the project)	M25

6.5 Cooperation Agreements

KER #4.1	**Cooperation Agreement with key RIs**
Description	Memorandum of understanding with marine, river and terrestrial RIs such as EMSO, EuroArgo, EMBRC, ICOS, DANUBIUS, LIFEWATCH, AQUACOSM, e-LTER in order to foster interoperability and synergies for contributing to a comprehensive European RI service provision
Partner involved	IFREMER, CNR, HCMR, HZG, Deltares, Ifremer, COV, SYKE, CNRS, IRB
Specific objectives	Making JERICO's positioning in the RI landscape clear and unquestionable - Initiating new collaborations btw RIs
Targeted users and scales Scale (regional, national, European, abroad)	JERICO-DS, JERICO-RI consortium, All marine, river and terrestrial RIs (Alignment of strategies)
Calendar (main milestones)	2023 / 2024

KER #4.2	**Partnership with CMEMS, ESA and EUMEDSAT**
Description	Formal agreements of strategic connection with monitoring programs (CMEMS, ESA and EUMEDSAT) with focus on mutual interests and promotion of JERICO-RI observations and expertise for calibration/ validation of satellite observations, for improving retrieval algorithms, and for developing joint products for end-users
Partner involved	IFREMER, ACRI, COV, NIVA, AZTI, SOCIB, CNR, HZG
Specific objectives	Elaborating fit-for-purpose products. Promoting of this products/service towards different communities, commercialisation protection/IPR, start-ups
Targeted users and scales Scale (regional, national, European, abroad)	JERICO-DS
Calendar (main milestones)	2023 / 2024

KER #4.3	**Roadmap for cooperation with industries**

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).
Partner involved	DELTARES/COV/ACRI
Specific objectives	Publishing and promoting a long-term strategy with respect to the Industry - giving confidence to investors
Targeted users and scales Scale (regional, national, European, abroad)	JERICO-DS, individual institutes
Calendar (main milestones)	2023 / 2024

KER #4.4	**Nations' commitment**
Description	Co-constructed approach to structure national nodes of JERICO-RI.
Partner involved	IFREMER
Specific objectives	Ensuring the long-lasting position and delivery from JERICO-RI
Targeted users and scales Scale (regional, national, European, abroad)	Committee for LTG, Chair: COV. France: ILICO (Ifremer or CNRS), Germany: COSYNA (HZG), Finland: FINMARI (SYKE), Greece: POSEIDON (HCMR), Spain: SOCIB (SOCIB/Puertos del Estado), Norway (IMR), Italy (CNR), Croatia (IRB), Ireland (MI), Belgium (RBINS), Portugal (IH), Sweden (SMHI), Netherland (RWS), Denmark (DMI).
Calendar (main milestones)	A Memorandum of understanding between nations happened to be signed at M8 when preparing the JERICO-RI application form to integrate the ESFRI roadmap.

7 Resources

European Commission (2014) *Communicating EU research and innovation guidance for project participants.* Available online at https://ec.europa.eu/research/participants/data/ref/h2020/other/gm/h2020-guide-comm_en.pdf (Accessed 23rd October 2020)

European Commission Directorate-General for Research and Innovation (presentation at the Energy Infoday, Brussels, 2017) Communication and Dissemination in Horizon 2020, https://ec.europa.eu/easme/sites/easme-site/files/h2020_energy_info_days_communication_dissemination_and_exploitation_presentations_all.pdf (Accessed 23rd October 2020)

Appendix 1. Preliminary DEP as in the DoA

#	**Key Project Outcomes &** *associated DEP strategy*	**Who (audience type)**	**How (means)**
1	**Scientific strategy and roadmap for thefuture** (results from WP1 & WP9) ● *To disseminate the results to position JERICO in the EOOS landscape* ● *To exploit project results for ensuring JERICO entry on the ESFRI roadmap 2021 or 2022*	Policymakers, Environmental stakeholders, End-users from research (E.g. EOOS, EMB, EuroGOOS, iOOS, ONC, etc.) EU / National authorities	**Dissemination:** Publications (e.g., White Paper "Nearshore and Coastal Observation prospective strategy in Frontiers in Marine Sciences") Conferences (e.g., EOOS Forum in Brussels or specific events during the European Maritime Days, such as open access to research infrastructures in order to inform citizens bout maritime affairs and attract young researchers in marine research.) Endorsement by the User committee who will disseminate in users' specific networks **Exploitation:** Application pitch to integrate ESFRI Roadmap
2	**MoU/partnership with CMEMS, EUMEDSAT, industry** (results from WP2) ● *To clarify how this will be exploited in the course of the project (for PSS demo especially), and after the end of the project*	End users from research Other's consortia Industries	**Exploitation** MoU, Partnership agreements, bi-lateral contracts
3	**Innovative monitoring strategies** (results from WP1-3) ● *To share knowledge with authorities in charge of national and European ocean monitoring. To dissemination towards EEA, OSPAR, HELCOM*	Policymakers, authorities, Environmental stakeholders End users from research	**Dissemination:** ● Publications (e.g., White Paper "Nearshore and Coastal innovative monitoring strategy in Frontiers in Marine Sciences" ● Conference (ex: EGU, EOOS Forum, in Brussels) ● Policy briefs, leaflets, technical pages
4	**Best practices (results from WP5)** ● *To disseminate and exploit the results in connection to international initiatives on best practices to promote European know-how and possible leadership on*	End users from research Knowledge transfer, Educational training Standard/regulation authorities	**Dissemination:** ● Publications in Best practices papers ● Conferences

	coupling physics, biogeochemistry and biology		
5	**High quality coastal datasets to CMEMS;** **EMODNET et GEO/GEOSS** (results fromWP6) ● *To elaborate fit-for-purpose products (in collaboration with CMEMS?)* *To promote of this products/service towards different communities, commercialization protection/IPR, start-ups*	Policymakers, authorities, End users from research Environmental stakeholders	**Dissemination:** ● Harvesting data ● Publications in Data papers ● Standardization ● **Exploitation:** ● Bi-lateral partnership agreements in order to develop joint products/ ● services
6	**Technological innovations (results from WP7)** ● *To disseminate results for research communities* ● *To investigate commercial opportunities*	End users from research Knowledge transfer, Educational training Industry;	**Dissemination:** ● Scientific communications in peer-review journals that offer measures to provide open access ● Training workshop: "Operational tools for biogeochemical and ecological measurements" ● Communications at OI, Ocean business, etc. **Exploitation:** ● Marketing, IPR protection, business plan, start-ups incubation
7	**VA - software repository (results from WP11)** ● *To disseminate services and products towards specific stakeholders To use towards ESFRI negotiation with the member states, etc.*	End users from research Stakeholders / EU / National authorities	**Dissemination:** ● Scientific communications in peer-review journals that offer measures to provide open access. ● Training workshop: "Virtual Environmental Coastal Observatory: from virtual access to knowledge creation" **Exploitation:** ● Application pitch to integrate ESFRI Roadmap.
8	**TA (results from)** ● *To enhance potential innovations and new services to transfer into JERICO-RI* ● *To detect potential partnership with industry et citizen science*	End users from research Local stakeholders Citizens Other consortia Industries	**Dissemination:** ● Vulgarised information via newspapers, JERICO-S3 YouTube channel and other social network ● Educational brochure and factsheets will be distributed to general public. **Exploitation:**

			MoU, Partnership agreements, bi-lateral contracts
9	**Results of WP9 (design plan, business plan, etc.)** ● *To use as a fast track to ESFRI and ERIC*	End users from research Stakeholders / EU / National authorities	**Dissemination** ● Written synthesis communicated to national authorities and discussed in dedicated meetings **Exploitation:** ● Application pitch to integrate ESFRI Roadmap JERICO-RI business plan (D9.3) will examine and define all those key elements towards long term sustainability.