MILESTONE N° : 69

GRANT N°: 871153
PROJECT ACRONYME : JERICO-S3
PROJECT NAME : Joint European Research Infrastructure for Coastal Observatories - Science, services, sustainability
COORDINATOR : Laurent DELAUNEY - Ifremer, France - jerico@ifremer.fr

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MILESTONE NAME : REPORT KICK-OFF MEETING J-S3

Authors: L.GODIVEAU, L. DELAUNEY, Consortium
Involved Institution: Ifremer + all partners
Date: 03/03/2020

→ **Please specify the type of milestone:**

□ **Report after a workshop or a meeting (TEMPLATE A)**
□ Report after a specific action (TEMPLATE B) (test, diagnostic, implementation,…)
□ Document (TEMPLATE B) (guidelines,...)
□ Other (TEMPLATE B) (to specify) ……

Document description

Document information	
Document Name	*MS69 - REPORT KICK-OFF MEETING*
Document ID	JERICO-S3-WP13-MS69-03.03.2020-V1

JERICO-S3 MILESTONE

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

Milestones title	REPORT - All Regions WS #1 (during the JERICO-Week #1)
Work Package Title	WP13
Milestones number	MS1
Description	Report
Lead beneficiary	1 - IFREMER
Lead Authors	L. GODIVEAU, L. DELAUNEY
Contributors	Consortium (collective notes)
Submitted by	L. DELAUNEY
Revision history	V1 - 03/03/2020
	V2 -
	V3 -
Security	Consortium Only or Public

Diffusion list				
Consortium beneficiaries	X			
Third parties				
Associated Partners				
other				

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A) TEMPLATE A - report after a workshop or a meeting

1. A - Attendees

JERICO-S3 KICK-OFF MEETING Feb. 17-21 2020 - TUESDAY 18/02

	LAST NAME	First name	INSTITUTE	SIGNATURE
1	ALBA	Marco	ETT S.p.A.	
2	ALLEN	John	SOCIB	
3	ARTIGAS	Luis Felipe	CNRS LOG - ULCO	
4	AUTERMANN	Christian	S2°North	
5	BERNARD	Guillaume	CNRS (EPOC)	
6	BERRY (WP11-TNA)	Alan	MI	
7	BLANDIN	Jérôme	Ifremer	
8	BLAUW	Anouk	Deltares	
9	BOCCADORO	Catherine	NORCE	
10	BORST	Kees	RWS	
11	BOURRIN	François	CNRS - FRANCE	
12	BREVIERE	Emilie	SMEL	
13	BRUNETTI	Fabio	OGS	
14	CANTONI	Carolina	CNR-ISMAR	
15	CHARCOS LLORENS	Miguel	SOCIB	
16	COCQUEMPOT	Lucie	Ifremer	
17	COPPOLA	Laurent	CNRS	
18	CREACH (co-WP6)	Veronique	Cefas	
19	DEBUSSCHERE	Elisabeth	VLIZ	
20	DEL RIO	Joaquin	UPC	
21	DELAUNEY (Coord.)	Laurent	Ifremer	
22	DELORY (WP7)	Eric	PLOCAN	
23	DURAND	Dominique	COVARTEC	
24	ENSERINK	Lisette	RWS	
25	FABRI (Coord.)	Pierre	IFREMER	
26	FERNANDEZ (co-WP8)	Juan Gabriel	SOCIB	
27	FRIGSTAD	Helene	NIVA	
28	GAUGHAN	Paul	MI	
29	GOBRON (Coord.)	Ian	Ifremer	
30	GRENIER (co-WP1)	Antoine	CNRS-LOB	
31	GRIFFA (co-WP5)	Annalisa	CNR	
32	HONKANEN	Martti	FMI	
33	JOHANSSON	Milla	FMI	
34	KIENLE (co-WP12)	Torsten	Wuerzburg	
35	KING (WP7)	Andrew	NIVA	
36	LAURI	Laakso	FMI	
37	LEFEBVRE	Alain	Ifremer	
38	LEGRAND	Sébastien	RBINS	

39	LIBLIK	Taavi	Taltech	
40	LIPS	Urmas	TalTech	
41	MADER (WP5)	Julien	AZTI	
42	MANGIN	Antoine	ACRI-ST	
43	MARINI (co-WP7)	Simone	CNR-ISMAR	
44	MARTINS	Inês	IH	
45	MEILLON	Julien	Ifremer	
46	MELKONIAN	Jeanne	DT INSU, CNRS	
47	MISURALE	Francesco	ETT S.p.A.	
48	MOSTAJIR	Behzad	CNRS	
49	MOURRE	Baptiste	SOCIB	
50	NOLAN (co-WP9)	Glenn	EuroGOOS AISBL	
51	OLIVEIRA	Joana	IH	
52	PÉREZ GÓMEZ	Begoña	PDE	
53	PERVOLIOTIS (co-WP6)	Leonidas	HCMR	
54	PFANNKUCHEN	Daniela	IOW	
55	PFANNKUCHEN (co-WP3)	Martin	IOW	
56	POULAIN	Sebastien	IFREMER	
57	PUILLAT (Coord. - WP9)	Ingrid	Ifremer	
58	REILLY	Kieran	MI	
59	RUBIO (WP1)	Anna	AZTI	
60	SCHEPERS	Lennert	VLIZ	
61	SEPPÄLÄ (WP6)	Jukka	SYKE	
62	SHE	Jun	DMI	
63	SIMPSON	Pauline	IOC/UNESCO	
64	SMODLAKA TANKOVIC	Mirta	IRB	
65	SØRENSEN	Kai	NIVA	
66	SOTIROPOULOU	Maria	HCMR	
67	TAMMINEN	Timo	SYKE	
68	THISSE (WP6)	Peter	MARIS	
69	THYSSEN	Mellitus	CNRS	
70	TINTORE	Joaquin	SOCIB	
71	VILLAGARCIA	Marimar	PLOCAN	
72	VITORINO (WP10)	Joao	IH	
73	VLAD	Marcel	HZG	

cancelled

2. A - Agenda

DETAILED AGENDA - TUESDAY 18th Feb. 2020 (FICOBA, IRUN - BUS DEPARTS AT 8:00 in SAN SEBASTIAN (See info PDF) TUESDAY - Kick-Off PLENARY SESSION AGENDA AUDITORIUM - 80pp		
WHEN	**WHAT - TOPIC**	**WHO - CHAIRPERSON**
8:30 - WELCOME		
9:00	**Introduction (Coord) - 30'**	
9:30	WP13 (coord) - 15'	
9:45	WP10 (Com) - 15'	
10:00	WP1 (Strat) - 15'	
10:15	WP2 (Interf) - 15'	

10:30	**Discussion - 30'**	
11:00 - Break (30')		
11:30	WP3 (IRS) - 15'	
11:45	WP4 (PSS) - 15'	
12:00	WP5 (Harmo) - 15'	
12:15	WP6 (Data) - 15'	
12:30	**Discussion - 30'**	
13:00 - 14:00 LUNCH BREAK (1 hour)		
14:00	WP11 (VA) - 15'	
14:15	WP8 (TA) - 15'	
14:30	WP7 (Dev) - 15'	
14:45	WP9 (Sust) - 15'	
15:00	**Discussions and Votes- 30'**	
15:30 - Break (30')		
16:00	**Coordination WrapUP- 30'**	
16:30	***PARALLEL SESSIONS - SEE BELOW***	

ROOM 1 26pp	**WP7** focussed on task 7.5 (e-infrastructure): - Coordinate (and invite) with **WP5** - Requirements gathering - Strategy during first year
ROOM 2 26pp	**WP6** jointly with WP11 VA to align actions
ROOM 3 19pp	**WP3 (part 2 optional)** Five parallel IRS meetings on defining the first steps related to strategy, implementation, harmonization (Northern Adriatic Sea, Iberian Atlantic Margin, Bay of Biscay, Kattegat-Skagerrak, Norwegian Sea)
ROOM 4 - VIP 22pp	**WP9 - Ingrid P.** (part 2) Prepare the workshop for the next days (with tasks/subtasks leaders)
ROOM 5 12pp	**JERICO-WHITE PAPER, Session #1 ? - Anna RUBIO ?**

3. A - Main report

JERICO-S3 - KICK-OFF MEETING

FEBRUARY 17 - 21 2020

JERICO-S3 KICK-OFF MEETING

REPORT and CONTENTS

TUESDAY 18th Feb. 2020

(FICOBA, IRUN - BUS DEPARTS AT 8:00 in SAN SEBASTIAN (See info PDF)

TUESDAY - Kick-Off PLENARY SESSION

AUDITORIUM - 80pp

NOTES

(Authors : Collective notes)

This project has received funding from the EC Horizon 2020 Research and Innovation programme under grant agreement No 871153. Project coordinator: Ifremer

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NOTES (discussions)

INTRO + WP13

→ Link to the Central Board for J-S3 :
https://docs.google.com/spreadsheets/d/16LB6Nhc2pXXWDk7Cb8nbmmuGDgpD7ZKIs6O35I9vvIQ/edit?usp=sharing

WP10 - Joana, Jose

Stakeholders => Toolbox for WP leaders
Internal =>
Communication plan => M6
“The only way we can communicate is together” → it is not only making information available, it is

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about getting feedback.
From language to culture - key to reach national communities

WP1 - Anna

Three main tasks
Maximizing relevance / Vision for the future / Provide a scientific strategy

Integration between disciplines and/or (within) regions
Main interactions with WP2, 3, 4, 7 and 9
Some early deliverables
e.g: D1.1 => fed by regions (WP3&WP4) and other WPS
Interactions with committees (internal e.g. STAC and Committee for long term governance) and external partners (other EU RI, national RIs, Copernicus…)

Objectives:
Foster scientific excellence
Define strategic elements
Provide a long term vision
Consolidate JERICO-RI science strategy

D11 due by Month 9 First analysis of JERICO-RI approaches but with a preliminary version by April to feed JERICO-ESFRI. Will be fed by D3.1 and D4.1 due by Month 7

Gap and risks
- Low/weak
- Interaction with WPs (3 4 and others)
- Progress of WP3 (IRS) and WP4 (PSS)
- Integration within and between regions
- Feedbacks of stakeholders

WP2 - Ghada

Embed JERICO into the community
Regional interfaces : WP4 and WP3
Need to know what JERICO can offer to the outside...
1st year:
-
Communication within the consortium
Copernicus and Coastal industries → benefits from both/all sides
1er Year
Setting up contact and com…

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DISCUSSION (WP10, WP1, WP2, WP13)

Lisette E. (RWS) : involved in OSPAR → user. Di-mythifying novel methods of monitoring is essential, showcase the entire chain (from data acquisition to users). Practically, how do you see the link to users, in the “real world” ?

Laurent D. (Coord.) : TNA is one answer, providing access in order to test novel systems/equipments

Ingrid P. (Coord.) : collaboration (with other RIs etc.) is not done at the “top” level, but at the regional level (careful of misunderstanding). MS6 in WP2 → in line with PSS and IRS + WP9, interactions with other RIs.

Ghada ES. : “high level” is really COPERNICUS. The integration of things should be happening in the PSS and then be applied in the IRS (regions).

Ingrid P. : WP1 will not interact directly with other RIs, but with WP2 who will interact with RIs and then flow to WP4 (PSS) and WP3 (IRS). The important thing is to work together.

Juanga : level of awareness of JERICO data assets in COPERNICUS (question 1) ? How could we improve the gathering of access statics from Copernicus? It will be more difficult in aggregated datasets / Question 2 : how do we have awareness of the data that is already in COPERNICUS?

Ghada ES : (answer 2) what WP2 can offer is this knowledge (of data already represented) along with WP4. Provide knowledge of the existing (other communities etc.). WP2 can initiate an activity with WP4. (answer 1) : very hard, have to work with WP11. Action → interact, find a solution

Felipe A. (CNRS) : de-mystifying is a key-issue. How do we make the link with traditional, existing observing methodologies ? How do we make innovative methologies enter this long term observation ? Sustainability should not be in contradiction with innovation. Long term observing systems are very reticent to integrate innovative tools. 1 → How can we make it possible ? Give a place to innovation?
2 → Comment: WP10, “you need us” but we need you, how to communicate with the communication WP and people. Essential question is how to convey our internal communications to “real” outside com.

Anna R. (AZTI) :
1 → We can make it possible at the regional level, use the regions to combine innovation and long term plan
2 → Very important to communicate with the stakeholders, we have to know our users, the contact points, and their real need (ex: fisheries, can’t access large amounts of data on ships). For

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communication intra-WPs, the “clustering” proposed is a good idea

Joana G.(IH) : idea of a platform for internal communication. Also possible to create forms on the website (going to rebrand). Create groups with tasks, or image galleries, all level of communities. Create some templates to work from. → you can bring questions that we (WP10) will try to answer with the website
Ghada ES. : 2 → we can’t really receive a lot of contact names (we would talk to the “name-provider”). We have to provide you with information to convey.

Antoine M. (ACRI) - responsible for Ocean… in COPERICUS : allow JERICO into COPERNICUS - we have to have data / provision of uncertainty and quality control. The sustainability (??)

Ingrid P. :
1 → Comment. We are all flooded with emails (yes/no, discussions etc.). We tried to use SLACK within the coordination. We need to find a solution.
2 → We need to coordinate the messages about interaction with other RIs.

Martin P. (IRB) : we need input on the development of regional strategies, to include in the Pan-European RI. How do we get that input ?

Anna R. (AZTI) : D1.1 → but we need additional interactions (from WP1 and 2)
Ghada ES. : maybe we can get the expertise from the communities we’re already in and collect/share. ACTION : have a call and discuss the issue, with WP1 as well.
Ingrid P. : this is the purpose of the ARWs (harvester !), transverse across all WPs and all regions + other RIs, operational systems, data flows etc.

WP3 IRS Andrew

→ See presentation + discussion later

WP4 PSS Jukka

→ See presentation + discussion later

DISCUSSION (WP3, 4, 5, 6)

Ghada ES. : biological data → all WPs are in favor of having biological data BUT the data is not available at the same level as physical data for example.

Peter T. : We will be directly linked to emodnet bio → WP6 members will contribute to the working groups to develop the standard so data can eventually be made accessible though EMODNet.

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Ghada: not exactly, there is a gap when creating products with Bio data. Which strategy could be used to cope with biological data management: mimic physical?

Veronique C. (CEFAS) : we know the phys. Parameters are already in long term data bases etc. We have already worked hard to integrate bio data → we have to use what already exists (ODATIS etc.). We are progressing

Ghada ES. : how is this conceived by the WPs and the coordination ? Thoughts, strategy, framework ?

Jukka S. (SYKE) : pilot observing initiatives and then harmonization

Ingrid P. : Bio data management is not so advanced as phys., but we still need to make sure the data is saved/archived in EU systems even if not yet interoperable/comparable. We have many ≠ kinds of bio data and it's not yet harmonised but we need to show what we can do

Peter T. (MARIS) : there's a ≠ between data that is already flowing in and the data that is just out there. We can imagine to have a direct link to where the data is stored, even if it is not harmonised.

Felipe A. (CNRS) : depends on the error, uncertainty. Data is already in EMODNET-bio. We can put the data with ≠ levels of confidence, flags (?). We are dealing with new types of data. Restrain to what the data can really say, put it the best we can in the data bases

Joaquin T. (SOCIB) : we cannot continue "business as usual" (phys.+bio). Quality control is no longer optional. All data should be QC and this is to be manage in task 6.X 5HCMR) Data management plan. MS at Month 6.

Peter T. (MARIS): what EC understood by DMP as is requested and was originally the focus in this task, is not necessarily covering the whole data lifecycle. But we will create our DMP to go a step further in the DM strategy and look to the internal requirements from other WP's.

Glenn N. (EuroGOOS) : PSS+IRS, OK but what about what falls outside those categories ?

Jukka S. : we can't limit to PSS and IRS, need to extend and harmonise. 3 levels : 1. basic observation 2. integrated for ≠ purposes and 3. The bigger sites

Andrew K. : integrate through WP2 ? WP3+4 ? Jukka S. : all these obs and monitoring are otherwise still part of JERICO

Ingrid P. : from coordination, keeping our strategy open and transparent. Example of Ireland

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(EirOOS + Celtic sea) → integrated later on ? List the systems. We are evolving fast. **ACTION** : TO BE DEALT WITH in next VIrtual SC

Kees B. : about EDIOS to be combined with Sextant catalogue

Julien M. : link with the ROOSes (Regional Ocean Observing Systems in EUROGOOS)

Sebastien L. : in WP4, a lot of actions but limited budget. Are there KPIs or indicators planned to measure the progress

Jukka S. : not defined KPIs yet, we are planning it (next 6 months).
Laurent D. (coord.) : Julien has presented a tool to estimate readiness levels. After a few workshops, we will have a better idea of the gaps and needs (regions and observational tools).
Sebastien L. : what do you expect from the ROOSes // clarify what is expected, know what we need to convey to our networks
Andrew K.: ROOS's role in data handling and distribution
Ingrid P. : SEXTANT + catalog. Need to work on that not only in WP6. Work on priorities and decide what will be achieved in the next 2 months.
→ What systems do we already have today ? What is the info granularity (color = name of network ? Or parameters ?) ?

Peter T. : EDIOS metadata catalog can describe Observing Programs, platforms and even at the sensor level. But this is more complex and will be timeconsuming.
So for the short term: Better use Sextant as basis, plus a quick questionnaire to IRS and PSS coords + telco (specific PoC) afterwards to gather the required information.
ACTION : have a list of contacts and send a questionnaire around + video conference // geo-location to upgrade ?

Julien Me. (Ifremer): Any map can be shown in the map-viewer of SEXTANT

Ingrid P. : What does JERICO measure ? Where ? With what ? Who can answer ?

Urmas L. (TALTECH) : Is it needed ? How are we able to involve those outside of JERICO ? How can we all participate in all these workshops ? Need to communicate ahead, not just JERICO. JERICO-RI and JERICO-projects are very different. We have to differentiate between project partners and bigger RI.
The systems are not mutually exclusive → we have to include as much as possible.

Ingrid P. : the strategy is always to keep things open and evolving, but we need to answer where we are and what we are doing, and where we will be in 2030 (operational). → NEED a map (that will evolve). The nations want to know, and don't want to fund the same system twice.

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Laurent D. (coord.) : for J-S3, we need to get these platforms referenced and known.
→ **Ingrid P.** : and THEN the nations will decide what to commit.
→ **Joaquin T**. the added-value is the integration. After 3 projects, we have to be able to say which systems are providing data and where.

Leonidas P. (HCMR): the information exists (a big part in SEXTANT). We can add more info with J-S3

WP11 (VA) / WP8 (TA) / WP7 (techno) / WP9 (Sustainability)

→ See presentations + discussion later

DISCUSSION (WP11, 8, 7)

John A. : Similarities in TNA from J-NEXT → overlap between TA and VA ?
Alan B. : TNA = access to physical activities // VA = access to DATA (from your own computer). VA doesn't rely on calls // TA does.
Laurent D. (coord.) : try to facilitate projects that combine TA and VA
Alan B. : elevate the offering that JERICO has → favor "complex" projects that combine physical access (TA) and historic data of the site (VA)

Jukka S. : we have to use the whole budget for TNA / the 3 calls are not very flexible (apply one year before, may not be possible for some teams/facilities). Could we add flexibility ? Ex. AQUACOSM: call opened in June, selection in July, projects could start by the end of August
Alan B. : TA/VA-Regions workshop will start the discussion. We have commitments and milestones etc. but we also have some flexibility
Joaquin T. : the PSS (and regions) should be our "best users" and "best ambassadors"

CONCLUSION - DISCUSSION

ERIC D. : EurOBIS → is it integrated with JERICO ?
Ingrid P. : VLIZ can answer ?
Lenert S. : EurOBIS is (??)

Dominique D. : A lot of interactions with external stakeholders. WP10 PoV : plan for the CP to identify stakeholders. We can talk about ≠ things in ≠ parts of the project. We have to make sure the message we are conveying is consistent. Mark the contact for the stakeholders. **ACTION : make a list of contacts**

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INTRODUCTION

JERICO-S3

Temporary logo for KICK-OFF MEETING purposes only - Feb.2020

INTRODUCTION

ONCE UPON A TIME ON 20th of March 2019, JERICO-S3 WAS SUBMITTED

AGAIN and AGAIN,
THANK YOU VERY MUCH FOR THIS NICE COLLABORATIVE WORK !

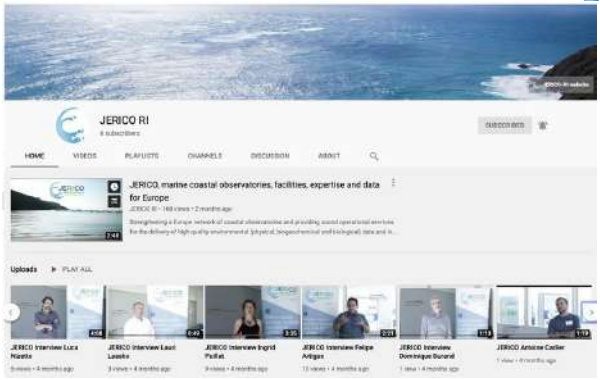
INTRODUCTION

FEW MONTH LATER… (Thank you Jukka !)

INTRODUCTION

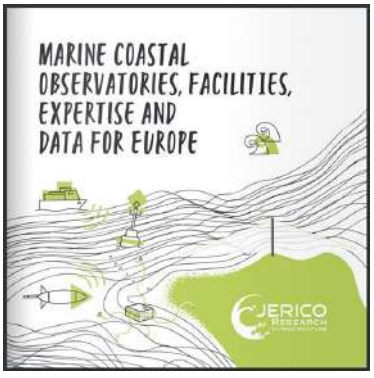
JERICO VIDEO

INTRODUCTION



JERICO YOUTUBE CHANNEL

INTRODUCTION

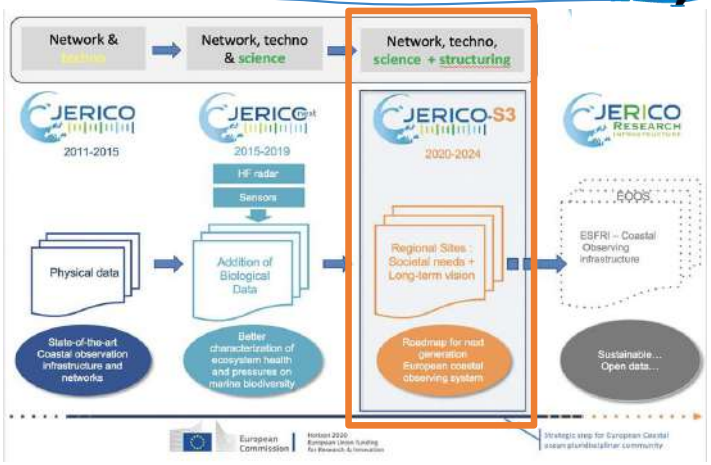


BROCHURE ON LINE / PDF

INTRODUCTION

JERICO-S3 - KICK-OFF MEETING
FEBRUARY 17 - 21 2020

INTRODUCTION



JERICO-S3 - KICK-OFF MEETING
FEBRUARY 17 - 21 2020

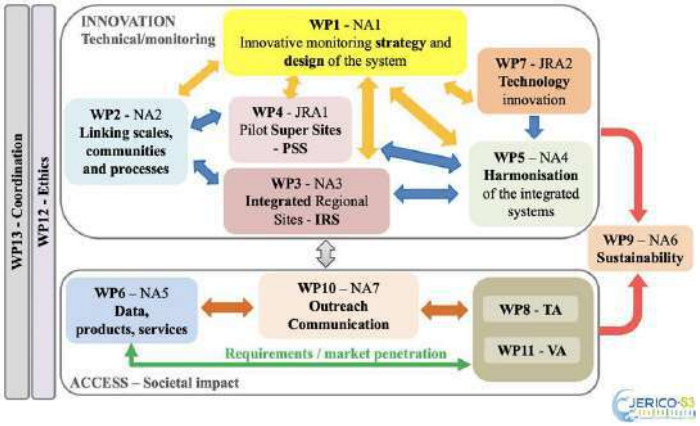
INTRODUCTION

JERICO-S3 -> Structuration

- Maturing of the scientific strategy -> Consolidation of the scientific approach by region / site.
- Integrative technology structured according to the scientific objectives of the regions.
- Harmonisation of protocols.
- Links with other initiatives (EMSO, EuroArgo, E-Lter, Aquacosm, etc.)
- 1st approach for sustainability of the infrastructure.

JERICO-S3 - KICK-OFF MEETING
FEBRUARY 17 - 21 2020

INTRODUCTION



JERICO-S3 - KICK-OFF MEETING
FEBRUARY 17 - 21 2020

INTRODUCTION – JERICO WEEK #1

TODAY (TUESDAY) :
- Kick Off Meeting
- WPs Parallel sessions

WEDNESDAY:
- All regions workshop (ARW)
- *Social dinner*

TURSDAY:
- ARW suite
- WP9 Users session
- WPs Parallel sessions

FRYDAY:
- WP9

Ready for an audit?

WP 13 - COORDINATION

Tricks and Lessons from JERICO-NEXT

Audit started in July 2018

Cost claimed over **Period 1** > Corrective measures possible

Accounting and **management procedures**
+
costs and **links to the actions**

All costs categories - provide evidence of:
- Actual expenses and 'best-value-for-money'
- Personnel implication
- Participation in meetings
- Subcontracted activities
- Equipment purchase and use
- Acknowledgement of EU funding

Pre-conclusions evaluated by the EC since July 2019

Purchases at 'Best value for money'

If no framework contract:

- **Quote requests** to at least **3 different providers,**
- No need to receive 3 offers,
- Requests must be documented (mail, e-mails…),
- **Orders, invoices, receipt/proofs of delivery.**

Otherwise costs will be rejected !

Subcontracting

- Must be foreseen in the **Grant Agreement**
- **'Best value for money' Principle**:
  - 3 quote requests
  - Even if subcontractor pre-identified in the GA
  - Or justify why only one company can carry out the work
- Proof of tasks completion: **reports, deliverables**

Otherwise costs will be rejected !

Travels

- **Consistence between participants from a same organisation**:
  - Departure/return dates
  - Meals included in registration fees / provided by organiser
- **Travel evidences**: keep boarding passes, train tickets, hotel invoices, transportation and parking tickets…
- Links to the action: signed **attendance sheets**, meeting **minutes**, **presentations**, pictures…
- **Trip extensions** are allowed, but:
  - An impact study on flight costs can be requested
  - Some costs must be prorated (e.g. parking fare)
- Transportation costs including reimbursable electronic cards

Equipment

- **Depreciation** costs only
- **Exclusive use** for the project?
  - If not: laboratory registers / logbooks…
  - Direct measurement of use
- Acknowledgement of EU funding

This *equipment* is part of a project that has received funding from the *European Union's Horizon 2020 research and innovation programme* under grant agreement No 871153"

Acknowledgement of EU funding

- *Publications and communications*

This project has received funding from the *European Union's Horizon 2020 research and innovation programme* under grant agreement No 871153

See Participant Portal:

"Communicating EU research and innovation guidance for project participants"

JERICO-S3 CENTRAL CONTROL BOARD

- **=> "hyperdynamic" tool**
- **KEY DOCUMENTS (DOA, BUDGET, GA, CA, etc.)**
- **Contacts,**
- **Templates,**

Usage of project a management tool is under evaluation...

But we want to keep it simple !

GRANT & CONSORTIUM AGREEMENT

CONSORTIUM AGREEMENT

⇒ DRAFT VERSION AVAILABLE (online on the JS3 KOM CONTROL BOARD)

⇒ FINAL VERSION is due on M6

GRANT AGREEMENT

⇒ 7 PARTNERS STILL NEED TO SIGN (CA was needed for some of them).

KEY meetings

ONE JERICO WEEK PER YEAR

- KO + SC + JERICO WEEK#1 - AZTI – Spain (M0)
- GA + SC + JERICO WEEK #2 - IRB – Croatia (M12)
- GA + SC JERICO WEEK #3 – TALTECH – Estonia (M24)
- GA + SC + JERICO WEEK #4 - IH – Portugal (M36)
- FINAL GENERAL ASSEMBLY - Ifremer – France (M48)

Steering Committees every 6 months

Monthly virtual Steering Committees :

⇒ **WPs Clusters**

⇒ **Every WPs**

COMMITTEES (c.f. JS3 KO Control Board, and DOA)

- STEERING COMMITTEE (SC)

- SCIENTIFIC AND TECHNICAL ADVISORY COMMITTEE (STAC)

- SELECTION PANEL COMMITTEE for TNA (SPC)

=> Validated by vote from each partners representative.
=> An online form vote will be organized very soon.

- JERICO USER COMMITTEE (JUC)

- LABEL COMMITTEE (LC)

- LONG TERM GOVERNANCE COMMITTEE (LTG) -> Nation coastal obs representatives.

- RIs Board.

=> Validated by the steering committee.

JERICO-S3

JERICO-S3
KICK-OFF MEETING
FEBRUARY 17-21 2020

This project has received funding from the European Union's Horizon 2020 Research and Innovation programme under grant agreement No 871153.
Project coordinator: Ifremer

JERICO-S3

JERICO-S3
KICK-OFF MEETING
FEBRUARY 17-21 2020

- WORK PACKAGES -
PRESENTATIONS

This project has received funding from the EC Horizon 2020 Research and Innovation programme under grant agreement No 871153. Project coordinator: Ifremer

WP 1 – Innovative monitoring strategy and Design of the System

WP Leader & co-Leaders:
Anna Rubio (AZTI, Spain)
Antoine Gremare (CNRS, France)
Dominique Durand (COVARTEC, Norway)
Laurent Coppola (CNRS, France)
WP Participants:
NORCE, HZG, PLOCAN, IFREMER, SOCIB, CNR, EuroGOOS, HCMR, NIVA, SKYE

Main objectives

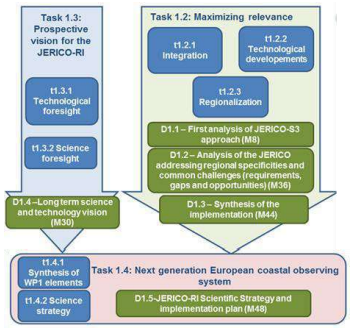
⇒ Ensure the **scientific and societal relevance** of JERICO-RI through **innovative monitoring approaches**
⇒ Provide a **long-term vision** of JERICO-RI
⇒ Propose an **overall science strategy** for JERICO-RI

What is the general added value for JERICO-RI ?

Maximize the impact of JERICO-RI for societal, environmental and scientific challenges

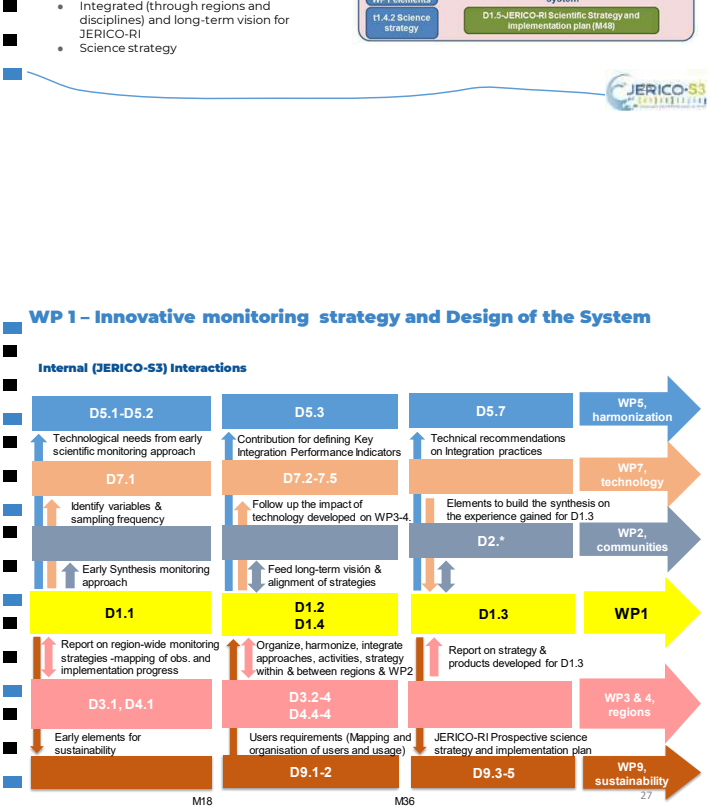
What are the main outcomes ?

- Strategic elements supporting the development and implementation of JERICO-S3, (support for WP9)
- Integrated (through regions and disciplines) and long-term vision for JERICO-RI
- Science strategy



WP 1 – Innovative monitoring strategy and Design of the System

Internal (JERICO-S3) Interactions



WP 1 – Innovative monitoring strategy and Design of the System

Internal (JERICO-S3) Interactions

WP 1 – Innovative monitoring strategy and Design of the System

Internal (JERICO-S3) Interactions (cont.)

⇒ With Committees *(which, why and when)*

- *STAC: Scientific and Technical Advisory Committee*
  - *Review of the science strategy, inputs to the long-term vision and to societal relevance*
  - *Frequency: once a year*
- *Committee for long-term governance*
  - *Interaction with national RIs on their own strategies and vision*
  - *Frequency: as appropriate*

External (JERICO-S3) Interactions

⇒ *Other RI : coast-land continuum: DANUBIUS, AQUACOSM (AQUACOSM-plus), eLTER*
⇒ *EuroGOOS and EuroGOOS Coastal Working Group (Gap analysis, Strategy)*
⇒ *CMEMS & Emodnet (Users needs, observational gaps)*
⇒ *Horizon Europe Mission board (Healthy ocean, coastal and inland waters*
⇒ *Non EU RIs, IOOS (NOAA, USA) (dialog on strategy, recommendations)*
⇒ *[...]*

WP 1 – Innovative monitoring strategy and Design of the System

Specific objectives :

1. **Foster JERICO-RI scientific excellence and benefits for society**
1. **Define strategic elements** supporting the development and implementation of JERICO-S3 observational and scientific approach (multidisciplinary integrated observations, challenge-driven observational specifications, strengthening the regional dimension)
1. **Provide a long-term vision** for JERICO-RI (anticipating the observational system of the future: emerging technologies,, long-term coastal and environmental challenges)
1. **Consolidate the JERICO-RI science strategy** and deliver the scientific **and** technical **bases of the future JERICO-RI**

WP 1 – Innovative monitoring strategy and Design of the System

4 years time line: Recap the main events of the WP: MSs, DLs, products, demonstrations, tasks role and interaction, etc.

YYYY/MM	01	02	03	04	05	06	07	08	09	10	11	12	Task
2020		KOM					TA						1.1 coordination
		ARW #1		MS17*	MS18*		UC#1		D1.1				1.2 Integration
													1.3 Vision
													1.4 Strategy
2021							TA+VA						1.1 coordination
		ARW #2					UC#2						1.2 Integration
													1.3 Vision
													1.4 Strategy
2022		GA					TA						1.1 coordination
		ARW #3					D1.2 UC#3						1.2 Integration
													1.3 Vision
													1.4 Strategy
2023													1.1 coordination
		ARW #4							D1.4				1.2 Integration
	D1.3												1.3 Vision
													1.4 Strategy
2024	GA												1.1 coordination
	D1.5												1.4 Strategy

MS17 –Analysis of regional actors and critical gaps - INPUTS to the ESFRI proposal
MS18 – Joint WP1-3-4 workshop to draft D4.1
UC#n – Meetings of the user committees (WP9)

WP 1 – Innovative monitoring strategy and Design of the System

1st year time line:

⇒ Explain in detail what will happen during the first year until JERICO-Week #2.
⇒ Mention the dissemination plan you have in mind (publication, conference, social network, etc).

YYYY/MM	01	02	03	04	05	06	07	08	09	10	11	12	Task
2020		KOM					TA						1.1 coordination
		ARW #1		MS17	MS18	MS6	UC#1 D3.1 D4.1	MS8	D1.1				1.2 Integration
													1.3 Vision
													1.4 Strategy
2021							TA+VA						1.1 coordination
		ARW #2					UC#1						1.2 Integration
													1.3 Vision
													1.4 Strategy

MS17 –Analysis of regional actors and critical gaps
MS18 – Joint WP1-3-4 workshop to draft D4.1
UC#n – Meetings of the user committees (WP9)
MS6 (WP2) – Exchanges with DANUBIUS and AQUACOSM – Summary of communication actions ¿?
MS8(WP2)- Review of opportunities – Collaboration with Ris (Task 2.3) – List of opportunities

D1.1 (M8) – First analysis of the JERICO-S3 scientific monitoring and regional approach – Early strategic elements supporting the development and implementation of JERICO-S3
Preliminary version by mid April as inputs for the ESFRI proposal

D3.1 (M7) – Initial analysis and summary of region-specific and region-wide monitoring strategies and regional sustainability plans (IRS)
D4.1 (M7) – PSS monitoring strategies

Preparation for the ARW#2

WP 1 – Innovative monitoring strategy and Design of the System

Difficulties, Gaps and Risks :

- To find the most effective ways of interaction with WP3 and WP4 (and the rest of WPs)
- Low progress in IRS and PSS
- Low progress in the integration between and within regions, other JERICO-RI components and other IRs and external initiatives
- Mobilisation & limited feedback of stakeholders and other external collaborators : uncomplete gap analysis, partial view of users needs and users requirements (defining users requirements is challenging).

Conclusion :

✔Provide early elements for sustainability (t1.2)
✔Provide analysis of regional actors and critical gaps (t1.2)
✔Foster harmonisation and cooperation within and between regional and external actors (including users) to develop an approach for integrated observations (t1.2)

✔Review of emerging technologies and innovations (t.1.3) - Elaborate realistic scenarios of coastal observing system in 2035

WP 2 - Linking scales, communities and processes

WP Leader: Holger Brix, HZG, Germany
WP Co-Leader(s): Ghada El Serafy, Deltares, Netherlands

Main objectives

⇒ This WP is about connecting to other critical stakeholders of JERICO-RI, at regional, national and transnational levels

⇒ Integration of knowledge, approaches, methods and activities between JERCO-RI and other communities and stakeholder
⇒ What are the main outcomes ?
- Create / expand community / communities
- Establish JERICO-RI as "key player"
- Sharpen role of JERICO-RI in the European / international research and Earth observation landscape

Internal (JERICO-S3) Interactions

⇒ Mainly Interactions with
- WP 1 (strategy, will inform discussions)
- *WP 3 and 4 (IRS and PSS, build local connections, gather information and contacts, success story)*
- *WP 9 and 10 (Sustainability and Communication, WP2 will inform WPs 9 and 10)*

⇒ With Committees *(which, why and when)*
- *RI Board, gathering coordinator of all relevant environmental RIs*

External (JERICO-S3) Interactions

⇒ With other running EU or non EU projects This will need to start by interacting with WPs 3 and 4: building on success story on cooperation with the stakeholders at regional level
⇒ With other legal entities (e.g. CMEMS, OSPAR, HELCOM, EuroGOOS, IMOS, iOOS, ERICs, etc.)
- Establish a list of institutions, contacts
- Establish communication on high level (steering groups, etc.) – cooperation with WP10

WP 2 - Linking scales, communities and processes

1st year time line:

- Communication with all IRSs and PSSs – "gathering initial information"
- Create list of partners, communication possibilities and actually established contacts (pre-existing and new)
- Contacting "outside" communities in all tasks

⇒ Mention the dissemination plan you have in mind (publication, conference, social network, etc).
- Lists of partners and efforts made available to all partners

Difficulties, Gaps and Risks :
Inertia of partners and ourselves
Identification of "worthwhile" connections vs. connections supported only by "local" interest

On-going :

- WP1 Relations:
- + would need the point of inter-scales at coastal zones,
- + Provision of strategy how to approach

- WP2 Relations:
- Regional/Pilot level

- WP2 relation to WP1/WP4
- What is the communalities and the add-value of Jerico-S3 to those communities
- What is the specifities of the pilots and the regions

WP 2 - Linking scales, communities and processes

Next events for task 2.2:
- To increase the list of contacts of JERICO partners that collaborate with other RI and seek for opportunity of communication to develop common strategies and collaborations. (contacts during the KoM)
- To work in collaboration with coordination for connection at "higher level", to work within PSS and IRS to develop "successful stories" as a proof of concept of mutual benefits. Here are the first steps

Date	Contact/event	Notes	Sites involved
April	AQUACOSM-plus kickoff meeting	Planning of future activities. Joined experiments. JERICO collaboration is mirrored in AQUACOSM-plus DOW	NW-MED-PSS; GoF-PSS; Cretan-PSS
Next month	DANUBIUS/JERICO meeting at HZG	Presentation of JERICO and DANUBIUS RI in the N. Adriatic and contacts for future collaborations	NS-PSS
4-5 /3/2020	CNR-ISMAR workshop	Presentation of JERICO and DANUBIUS RI in the N. Adriatic and contacts for future collaborations	Adriatic-IRS

Higher level and/or possible contacts with RI without a specific activity written in the project
Local/regional level Contacts with RI with a specific activity written in the project

Institution	Contact Name	Research Infrastructure	PSS/RIS
HZG	Holger BRIX	DANUBIUS	NS-PSS
CNR	Carolina Cantoni	DANUBIUS	Adriatic-IRS
IRB	Martin Pfannkuchen	DANUBIUS	Adriatic-IRS
SYKE	Jukka SEPPALA	AQUACOSM	GoF-PSS
SYKE	Timo Tamminen	AQUACOSM	GoF-PSS
CNRS	Bezhad MOSTAJIR	AQUACOSM	NW-MED-PSS
HCMR	George PETIHAKIS	AQUACOSM	Cretan-PSS
HCMR	Costa Frangoulis/ L.Perivoliotis	AQUACOSM	Cretan-PSS
CNRS	Laurent Coppola	AQUACOSM	NW-MED-PSS

Task2.3 – Copernicus and coastal industries

Subtask 2.3.1 - Cooperation with COPERNICUS (ACRI, COV, NIVA, AZTI, SOCIB, CNR, HZG)

Objective : Initiate and map the uptake of JERICO-S3 outcomes by CMEMS (and potentially other COPERNICUS services)

- Y1: Review of the present strategic connection between JERICO-S3 partners and CMEMS, ESA & relevant European entities
- Y1: Analysis on the actual data flux and organisations within CMEMS to make JERICO compliant to existing standards
- Y2: Formalisation of necessary QC procedures and operations standards
- Y2: Roadmap for uptake of JERICO-RI data within INSTAC (In situ Thematic Assembly Centre)
- Y1-Y2: Roadmap for making JERICO-RI a support for EO cal/val activities
- Y3: Describe possible sustainable ways to ensure efficient cooperation and complementarity between JERICO and COPERNICUS (PSSs as example of effective cooperation ?)

Subtask 2.3.2 – Partnerships with coastal industries (COV, Deltares, RWS, ACRI, SOCIB)

Objective : Develop synergies and partnership models with private sector observing activities.

- Promote win-win situations with industries making regular multi-disciplinary measurements to monitor their own activities (e.g., aquaculture, fisheries, petroleum, offshore wind farms).
- Y1-Y3: Foster data sharing among industrial sectors.
- Y1-Y3: Bilateral communication and engaging during major marine industry gatherings (MS2.4).
- Y1-Y4: Cooperation with WP10 on external communication (Communication and dissemination Plan).

Deliverables : D2.2 – Roadmap for cooperation with COPERNICUS and coastal insdustries - M42

⇒ Create list of contacts for engaging with COPERNICUS and coastal industries partners,
⇒ Elaborate an action (meeting) plan with selected key stakeholders

Task2.4 – Regional connectivity & multi-scale processes in land-coast-open sea continuum

Regional connectivity in Baltic-North Sea:

- Identify benefits from JERICO (IRS-KS) on climate change, ecological service and operational oceanography in the Baltic-North Sea via integrating JERICO with RS+ modelling
- Identify gaps of current monitoring systems in the Baltic-North Sea transition region
- Establish links between JERICO and Baltic-North Sea regional modelling communities

Multi-scale processes in land-coast-open sea continuum

- **Establish links between JERICO PSS/IRS and member states (Finland, Denmark, Germany, Norway, Spain)**
- **Identify benefits from JERICO PSS/IRS on applications in national waters**
- **Make recommendations for nations to take up and use JERICO results in national applications, as well as filling the gaps in national monitoring systems.**

Task 2.5: political realm and other monitoring OOSes

1st year time line:
- list of needs from EU directives (MSFD) and Regional Sea Conventions (RSCs), eg through research agendas;
- potential matches with products and services prototyped in WPs 3, 4 & 9;
- iterations with policy realm

Successive steps:
- case by case analysis of concrete steps towards operational use, incl. risks;
- ongoing iterations with policy realm

Strengths:
- pragmatic approach: use existing meetings
- team consists of experienced participants in relevant networks
- technical knowledge in consortium
- Ability to learn from past experience, eg. attempts to bridge gaps

Challenges:
- thorough understanding of drivers for change and (institutional) challenges
- address the entire chain from data collection to use of data in assessments
- collaboration & mutual understanding between WPs regarding user needs and how to 'sell' new/joint/integrated data collection techniques
- limited capacity

WP 2 - Linking scales, communities and processes

Specific objectives : Detailed list of cooperation partner from all communities
- Joint projects with cooperation partners
- Interface and plan for activities with political (official and non-official) realm

4 years time line: Recap the main events of the WP: MSs, DLs, products, demonstrations, tasks role and interaction, etc.

Milestones:
- Summary of bilateral communication with DANUBIUS and AQUACOSM partners to plan activities and explore synergies (M6)
- Workshops with RIs (Ms 13, 25, 37)
- Review of opportunities (M8)
- Preliminary bilateral communication with ESA, EuMedSat and CMEMS (M12)
- Identify gaps in resolving regional connectivity and multi-scale processes in obs and modelling systems (M24)
- Recommendations for treatment of regional connectivity and multi-scale processes in future integrated observing-modelling systems (M36)

Deliverables: Reports on
- collaboration and interoperability with marine, river and terrestrial RIs (M40)
- Roadmap for long-lasting cooperation with COPERNICUS and industries (M42)
- regional connectivity & multi-scale processes in land-coast-open sea continuum (M42)
- planned joint activities with US/Canada, Black Sea and North Africa (M44)
- planned joint activities with environmental and political entities (M46).

WP 3 – Integrated regional sites

WP Leader: Andrew King, NIVA, Norway
WP Co-Leader(s): Martin Pfannkuchen, IRB, Croatia

Where are the IRS?

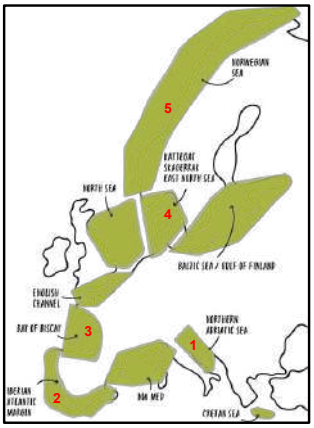
1) Northern Adriatic Sea (OGS (lead), IRB, CNR)

2) Iberian Atlantic Margin (IH (lead), PdE)

3) Bay of Biscay (AZTI (lead), IFREMER, CNRS)

4) Kattegat-Skagerrak-Eastern North Sea (SMHI (lead), NIVA, IMR, DMI, HZG)

5) Norwegian Sea (IMR (lead), NIVA, NORCE, FAMRI)



Who are the IRS?

1) IRS leads: primary contacts to WP leaders
2) Discipline representatives: regional specialists and links between IRS (and PSS) for pan-European perspective

WP 3 – Integrated regional sites

WP Leader: Andrew King, NIVA, Norway
WP Co-Leader(s): Martin Pfannkuchen, IRB, Croatia

Main objectives

⇒ Organize, harmonize, and integrate existing coastal observing activities and initiatives within ***and*** between regions

⇒ Direct coastal observing efforts towards the needs and requirements of local/national/regional levels, and ***coordinate/optimize at pan-European level for larger scale scientific and social issues***

⇒ What are the main outcomes?

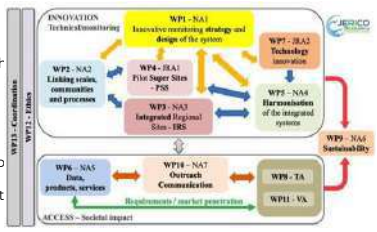
- Each region will have developed region-level strategic plans that include research themes, data harmonization/delivery, user/stakeholder needs and requirements, and sustained funding
- Inter-regional (IRS + PSS) interactions and harmonization will result in a more efficient and accessible JERICO-RI (strength in commonalities)
- Countries involved will be one step closer to ESFRI roadmap support

WP 3 – Integrated regional sites

WP Leader: Andrew King, NIVA, Norway
WP Co-Leader(s): Martin Pfannkuchen, IRB, Croatia

Internal (JERICO-S3) Interactions

⇒ **WP1**: Ensure coordination with JERICO-RI monitoring strategy and design
⇒ **WP2**: Identifying and cooperating with region-specific and pan-European communities (i.e., boots on the ground)
⇒ **WP4**: links and knowledge transfer with PSS
⇒ **WP5**: observing network/hardware harmonization and best practices
⇒ **WP6**: organize and deliver data from regional to pan-European data portals
⇒ **WP7**: implementation/demonstration o new observational equipment
⇒ **WP8/11**: Region-specific provisions relat to access
⇒ **WP9**: Path towards sustained funding (and again, boots on the ground)



Outside of JERICO-S3 Interactions

⇒ Region-specific EU, national, and regional ministries/initiatives/entities and European-level projects/infrastructures
⇒ EuroGOOS coordinated Regional Operational Oceanographic Systems (ROOS)

WP 3 – Integrated regional sites

WP Leader: Andrew King, NIVA, Norway
WP Co-Leader(s): Martin Pfannkuchen, IRB, Croatia

Specific objectives:

- Promote cooperation, integration, and development between countries adjacent to coastal observing regions (there are no boundaries in the ocean)
- Identify and develop strategies according to national and regional needs and requirements
- Interact and adjust based on adjacent PSS developments
- Provide framework for regional data management and accessibility
- Co-develop with WP9 a sustainable business/funding plan for next steps towards ESFRI

4 years time line:

D3.1. Initial analysis and summary of region-specific and region-wide monitoring strategies, and regional sustainability plans (IRB) (M7)
D3.2. Report on integration progress within and between IRSs (NIVA) (M26)
D3.3. Recommendations based on regional data handling and accessibility to WP6 and WP9 (IRB) (M32)
D3.4. Final analysis and summary of region-specific and region-wide monitoring strategies, and regional sustainability plans (IRB) (M38)
D3.5. Final report on integration within and between IRSs (NIVA) (M42)

1st year time line:

⇒ Work towards D3.1 has begun earlier this week and will continue until M7 delivery (together with WP1 and others in the scope of possible ESFRI application)
⇒ Individual IRS planning and some regional workshops related to harmonization and stakeholders

WP 3 – Integrated regional sites

WP Leader: Andrew King, NIVA, Norway
WP Co-Leader(s): Martin Pfannkuchen, IRB, Croatia

Difficulties, Gaps and Risks:

- Substantial regional cooperation and effort is required – everyone needs work together and as a team
- Links to national/regional users and stakeholders to help define observing system requirements and needs can be challenging
- National/regional policy and funding "landscapes" can change quickly, so strategy must be ready to adapt

Conclusions (what we hope we will have achieved):

- We will have asked a many questions related to regional activities and organization, and answers will help to define actions for the next 4 years and beyond
- The coordination and planning of each IRS will have improved individual IRS organization and observing portfolios (from sensors to data products), as well as the development and integration process at the pan-European level within and between IRS and PSS

WP 4 - -Pilot Supersites for innovative coastal monitoring

WP Leader: Jukka Seppälä, SYKE, FINLAND
WP Co-Leader(s): Constantin Frangoulis, HCMR, GREECE

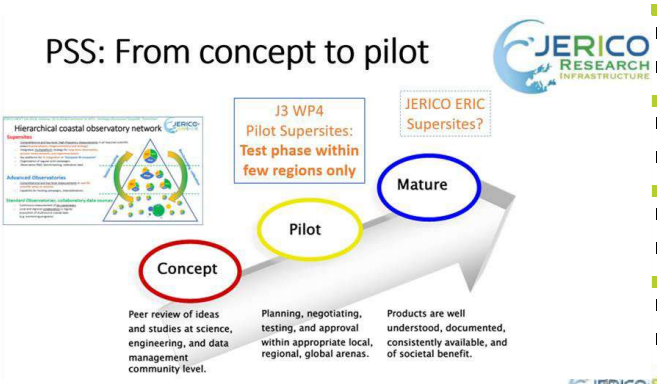
Main objective: WP4 will advance and pilot JERICO-RI Supersites for coastal research

JERICO- RI Supersite: Regional platform network
- multidisciplinary, several scientific domains
- sustained operations and dataflows (national support)
- harmonized & jointly steered operations
- scientific excellence
- strong links to users, esp. science, management, policy
- leading role in the region (science, R&D, connections)
- diverse platforms, flexibility, capacity to adopt new approaches
- interaction with other Supersites
- interactions with other RIs
- transnational and transinstitutional (when needed)

WP4 provides JERICO-RI a proof of concept and feasibility of Supersites for coastal observations. Especially WP4 deliver new knowledge on
⇒ Organisational challenges (sharing, managing)
⇒ Data aggregation at regional and RI level (for various uses)
⇒ Societal and scientific needs and requirements for integrated data and products
⇒ How to create links between various hierarchical levels

WP 4 - -Pilot Supersites for innovative coastal monitoring

Main objective: WP4 will advance and pilot JERICO-RI Supersites for coastal research



WP 4 - -Pilot Supersites for innovative coastal monitoring

Wp structure

Task 4.1. Coordination and dissemination of Pilot Supersite implementation (SYKE, HCMR) M1-M38

Task 4.2. Innovative monitoring and science strategy for Pilot Supersite implementation (SYKE, HCMR, HZG, IFREMER, SOCIB) M1-M19

Task 4.3. Implementation of JERICO Pilot Supersites (SYKE, HCMR) M7-M38

Subtask 4.3.1. Pilot Supersite at Gulf of Finland, Baltic Sea; GoF-PSS (SYKE, FMI, IOW, TALTECH)

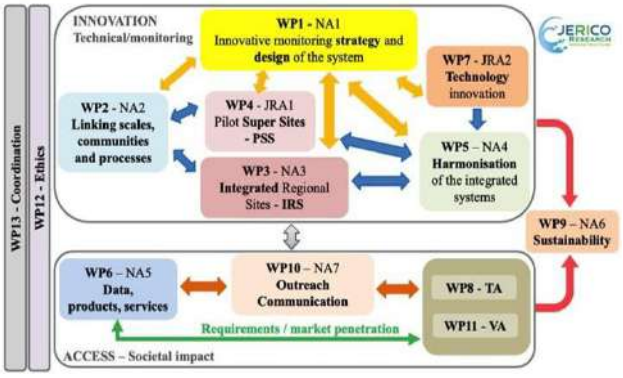
Subtask 4.3.2. Pilot Supersite at North-West Mediterranean; NW-MED-PSS (CNRS, CNR, PdE, SOCIB, UPC)

Subtask 4.3.3. Pilot Supersite at North Sea and English Channel; NSea-PSS and Channel-PSS (HZG, IFREMER, AWI, CEFAS, CNRS, DELTARES, IMR, NIVA, RBINS, RWS, VLIZ)

Subtask 4.3.4. Pilot Supersite at Cretan Sea; Cretan-PSS (HCMR, CNRS, NIVA, SYKE)

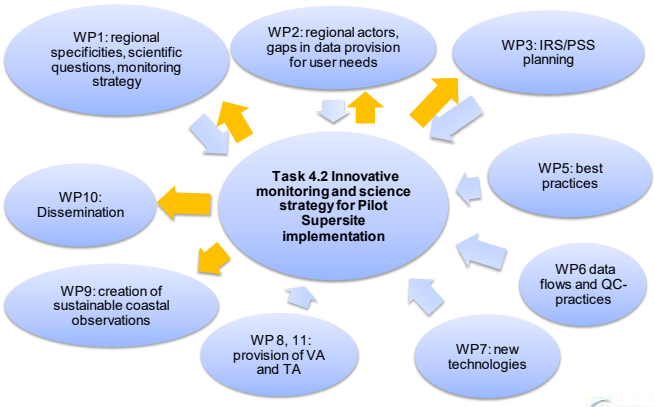
WP 4 - -Pilot Supersites for innovative coastal monitoring

Internal (JERICO-S3) Interactions



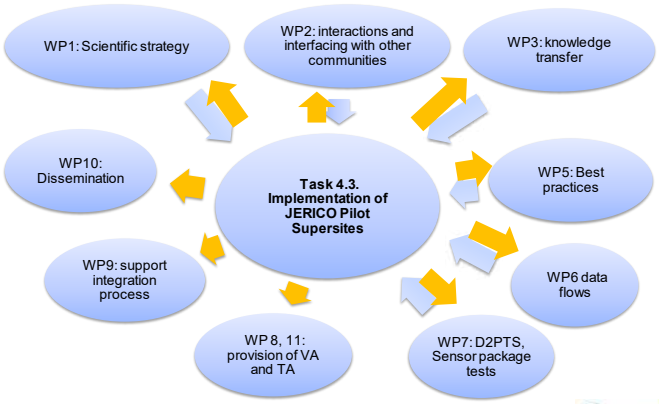
WP 4 - -Pilot Supersites for innovative coastal monitoring

Internal (JERICO-S3) Interactions



WP 4 - -Pilot Supersites for innovative coastal monitoring

Internal (JERICO-S3) Interactions



WP 4 - -Pilot Supersites for innovative coastal monitoring

External (JERICO-S3) Interactions

⇒ Key connections to other running EU or non EU projects, and with other legal entities (e.g. : ERICs, Eu or non EU Institutions, etc.)

GoF-PSS	• AQUACOSM-plus, experimentation • ICOS ERIC, ACTRIS PPP, Euro-Argo ERIC, EMBRC-ERIC, EUROFLEETS+, data & joint future actions • HELCOM, BOOS, EUBSR dissemination
NW-MED-PSS	• AQUACOSM-plus, experimentation • EMSO-ERIC, Euro-Argo ERIC, and ICOS ERIC, open sea-coast links • MONGOOS, UNEP-MAP, dissemination
NSea-PSS & Channel-PSS	• DANUBIUS-PP, resolving land-sea carbon fluxes • EMBRC-ERIC, ICOS-ERIC, LifeWatch-ERIC, coastal ecosystem studies • OSPAR and NOOS, dissemination
Cretan-PSS	• AQUACOSM-plus, experimentation • ICOS-ERIC, EMBRC-ERIC, Euro-Argo ERIC, data, new technologies, mission coordination • MONGOOS and UNEPMAP, dissemination

WP 4 - -Pilot Supersites for innovative coastal monitoring

Specific objectives :

- Description of 1) regional and EU-wide societal and scientific information needs and 2) related major gaps in the current observations and 3) how future JERICO-RI with Supersites could help in resolving these gaps
- By implementing Pilot Supersites, demonstrate 1) how the sub-components are optimally operated when studying complex coastal challenges in an integrated approach, 2) how interactions with other environmental RI networks can be regionally organised, 3) how the interactions with modelling and satellite remote sensing communities are regionally implemented, and 4) how PSSs are able to upgrade harmonised and sustained observations and products that are usable for various societal and scientific needs
- Create best practices for between-PSS communication and steering, and their links to other observatories, and objectively evaluate the PSS implementation phase as input to the planning phase of JERICO-RI.

WP 4 - -Pilot Supersites for innovative coastal monitoring

Timeline:

MS17: M4	• Analysis of regional actors and critical gaps in multidisciplinary data provision for user needs per PSS
MS18: M5	• Joint WP1, WP3 & WP 4 workshop to draft D4.1
M6	• Individual PSS meetings (6m intervals) • All PSS meeting, virtual (6m intervals)
D4.1: M7	• Regionalised innovative monitoring and science strategy at each PSS
MS19: M7	• Start of PSS implementation
D4.2: M19	• Assessment and refinement of D4.1 after 1 year of PSS implementation
D4.3: M22	• Progress report of PSS implementation
MS22: M31	• End of PSS observations
D4.4 M38	• Assessment of PSS implementation and outlook on JERICO-RI Supersites

WP 4 - -Pilot Supersites for innovative coastal monitoring

Difficulties, Gaps and Risks :

Unsuccessful identification of PSS targets (science, society, data)

Difficulties/slow progress in the integration, harmonisation and steering of PSS, lack of commitment

Low progress in data delivery

Issues with between PSS and between RI interactions

Poor dissemination

Conclusion : "Remember the future" exercise.

IN ARWs#2, PSSs are able to present their science strategies and detailed plans for PSS implementation, and some activities have already started.

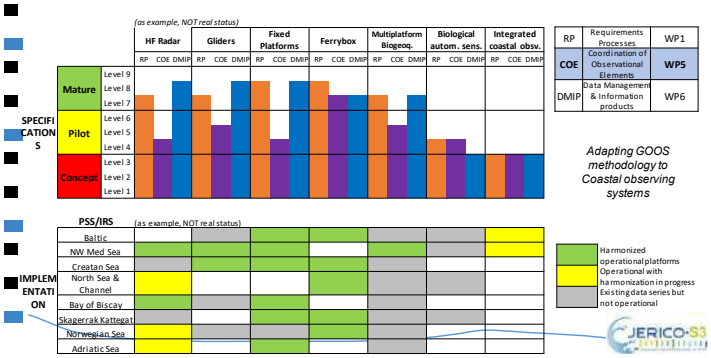
WP 5 - Harmonisation of integrated Multiplatform & Multidisciplinary systems

WP Leader: Julien Mader, AZTI, Spain
WP Co-Leader(s): Annalisa Griffa, CNR, Italy

Main objectives

⇒ Why this WP is named as it is ?

For achieving the highest "readiness level" on harmonizing the operations of the multiplatform and multidisciplinary systems.



WP 5 - Harmonisation of integrated Multiplatform & Multidisciplinary systems

WP Leader: Julien Mader, AZTI, Spain
WP Co-Leader(s): Annalisa Griffa, CNR, Italy

Main objectives

⇒ What is the general added value for JERICO-RI ?

- A Pan-European **expertise** on Platforms operations supporting harmonisation in Integrated Regional Sites
- Pushing multiplatform and multidisciplinary **integration**
- Enabling the **Interface** with open sea and riverine / terrestrial EU infrastructures

Steering Team 1	HF Radar
Steering Team 2	Glider
Steering Team 3	Ferrybox
Steering Team 4	Fixed platform
Steering Team 5	Multiplatform biogeochemical sensors
Steering Team 6	Protocols for automatic sampling for DNA analysis
Steering Team 7	Biological automatic sensors

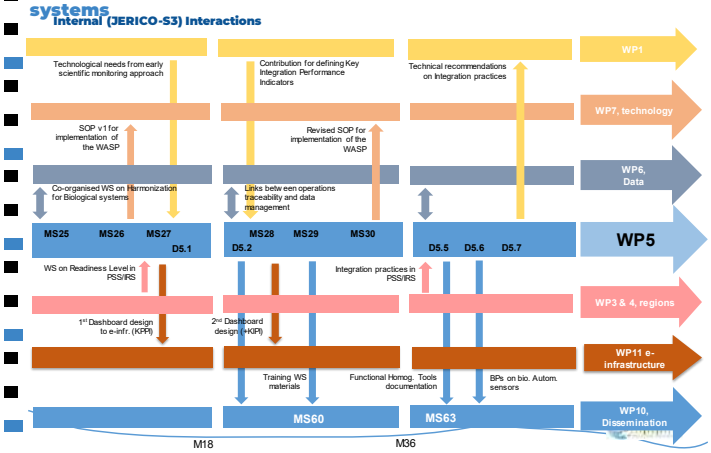
⇒ What are the main outcomes ?

- Reinforce an EU **coastal contribution** in the Ocean Best Practices (promoted by IODE)
- Progress in the harmonisation of **biogeochemical and biological** systems
- **Monitor the implementation** of Harmonisation including the Integration capabilities of the coastal observatory

WP 5 - Harmonisation of integrated Multiplatform & Multidisciplinary systems

WP Leader: Julien Mader, AZTI, Spain
WP Co-Leader(s): Annalisa Griffa, CNR, Italy

Internal (JERICO-S3) Interactions



WP 5 - Harmonisation of integrated Multiplatform & Multidisciplinary systems

WP Leader: Julien Mader, AZTI, Spain
WP Co-Leader(s): Annalisa Griffa, CNR, Italy

Internal (JERICO-S3) Interactions

⇒ With Committees *(which, why and when)*

Link with the Technical Label Committee

A dashboard will be designed for an integrated management of the harmonisation in each PSS/IRS as a tool for the JERICO Label Committee

External (JERICO-S3) Interactions

⇒ With other running EU or non EU projects -> Again, indicate when during the project timeline you need to establish these interactions.
⇒ With other legal entities (e.g. : ERICs, Eu or non EU Institutions, etc.)

- EuroGOOS Task Teams
- OBPS (IODE) + other EU RIs (EMBRC, Euro-Argo, EMSO, ICOS)
- JCOMMOPS
- National RI programs
- EUROSEA project (WP3)
- AQUACOSM-PLUS
- GOSHIP, Global HF Radar, MBON

WP 5 - Harmonisation of integrated Multiplatform & Multidisciplinary systems

Specific objectives : Describe here in more detail some specific outcomes. BE CAREFUL to deliver here only added-value information that is of prime interest for the JERICO-S3 community.

- A homogenized handbook for coastal platforms in the OBPS repository integrating outputs from 4 Platform Steering Teams: ST1 HF Radar, ST2 Glider, ST3 Ferrybox, ST4 Fixed Platform.
- Functional tools for pushing implementation and interaction with operators
- Progress in the harmonization of procedures for biogeochemical and biological systems (e.j. biological automated sensors; automatic sampling for DNA análisis)
- Multiplatform approach for providing recommendations on the implementation of observing systems focused on biogeochemical variables
- Performance monitoring for the operation and integration of JERICO-RI platforms

WP 5 - Harmonisation of integrated Multiplatform & Multidisciplinary systems

4 years timeline:

				M1-6	M7-12	M13-18	M19-24	M25-30	M31-36	M37-42	M43-48
T5.2	Functional homogenisation support and tools for mature coastal observing platforms	5.2.1	A homogenized electronic handbook in the OBPS repository				D5.2 Technical handbook in OBPS Repository M20	WP10 MS60 Training WS #1 M29		WP10 MS64 Training WS #2 M42	
		5.2.2	Functional tools for contributing to international efforts on harmonising best practices					MS29 Training material M28 WP10 MS60 Training WS #1 M29	D5.5 Report on the functional homogenization tools M36	WP10 MS64 Training WS #2 M42	
T5.3	Procedures and best practices for observing biological and biogeochemical variables from JERICO-RI platforms	5.3.1	Observing biogeochemical variables from multiple JERICO-RI platforms						D5.4 Recommendation for Multiplat. implementation of a biogeoc. NRT obs. M32		
		5.3.2	Protocols for automatic sampling for DNA analysis		MS26 Standard Operating Protocols (SOP) v1 to WP7 for implementation of the WASP (M7)				M30 Revised SOP provided to WP7 for adjustment of the WASP (M34)		
		5.3.3	Biological automated sensors	MS25 Harmonization workshop (with WP6). State of the art analysing gaps in BP's M6		D5.1 Catalogue and checklists for existing biological sensors M14				D5.6 BPs for sampling procedures of bio. automatic sensors M38 WP10 MS64 Training WS #2 M42	
T5.4	Performance Monitoring for the operation and integration of JERICO-RI platforms	5.4.1	Homogenization of KPPIs for the operation of JERICO-RI platforms				D5.3 Report on the KPPIs and KIPIs M22				
		5.4.2	KIPIs for the integration capabilities of JERICO-RI							D5.7 Technical recommendations to WP1 for integration M40	
		5.4.3	Management of the harmonisation of JERICO-RI		1st Dashboard design to WP11 e-infr (KPPI) M12	MS27 WS on the Readiness Level of each technology in PSS/IRS (M13) w/Region leaders	MS28 Establishment of the dashboard (KPPIs, KIPIs) to WP11 e-infr. M24				

WP 5 - Harmonisation of integrated Multiplatform & Multidisciplinary systems

1st year time line:

⇒ Explain in detail what will happen during the first year until JERICO-Week #2.

⇒ Mention the dissemination plan you have in mind (publication, conference, social network, etc).

				M1-6	M7-12	Coming Deliv./Milest.	Main activities for Year 1	Dissemination
T5.2	Functional homogenisation support and tools for mature coastal observing platforms	5.2.1	A homogenized electronic handbook in the OBPS repository			D5.2 Technical handbook in OBPS Repository M20	Review the state of the art on BPs and define the needed steps to converge towards a homogenized handbook	Handbook in OBPS (M20)
		5.2.2	Functional tools for contributing to international efforts on harmonising best practices			MS29 Training material M28	Review of existing tools (globally) and design of the needed developments looking for homogenization between platforms	Inputs from Platform Networks (EuroGOOS Task Teams)
T5.3	Procedures and best practices for observing biological and biogeochemical variables from JERICO-RI platforms	5.3.1	Observing biogeochemical variables from multiple JERICO-RI platforms			D5.4 Recommendation for Multiplatf. implementation of a biogeoc. NRT obs. M32	To be started during Year2	
		5.3.2	Protocols for automatic sampling for DNA analysis		MS26 Standard Operating Protocols (SOP) v1 to WP7 (M7)		Review and agreement on defining Standard Operating Protocols (SOP) v1 for automated coastal water samplers	
		5.3.3	Biological automated sensors	MS25 Harmonization workshop (with WP6) M6		D5.1 Catalogue and checklists for existing biological sensors M14	Organization of the workshop aiming at the catalogue and checklists for existing biological automated sensors	
T5.4	Performance Monitoring for the operation and integration of JERICO-RI platforms	5.4.1	Homogenization of KPPIs for the operation of JERICO-RI platforms			D5.3 Report on the KPPIs and KIPIs M22	Defining the KPPIs based on key issues identified in 5.2.1 and to be implemented in the functional tools of 5.2.2	
		5.4.2	KIPIs for the integration capabilities of JERICO-RI				Reviewing integration practices from the PPS/IRS	
		5.4.3	Management of the harmonisation of JERICO-RI		1st Dashboard design to WP11 e-infr (KPPI) M12	MS27 WS on the Readiness Level of each technology in PSS/IRS (M15) w/Region. leaders	From the KPPIs defined in 5.4.1, a first design of a dashboard will be provided to WP11 e-infr.	

WP 5 - Harmonisation of integrated Multiplatform & Multidisciplinary systems

Difficulties, Gaps and Risks :

- To unify practices from wide coastal communities (compared with open sea observing networks)
- To give special emphasis on coastal issues for Glider and Fixed Platform Practices
- Challenge on homogenizing BP documentations of different platforms, with a focus on coastal issues, integrating the outputs of past projects/initiatives
- To make Best Practices open, interactive, workable ("greatest common denominator"), implemented

WP 5 - Harmonisation of integrated Multiplatform & Multidisciplinary systems

Conclusion : "Remember the future" exercise. Imagine that we are at the JERICO-Week #2, and imagine what you would say happened in your WP for this first "past" year. Talk about it in the past tense !

- Best practices on HF Radar, Glider, Ferryboxes and Fixed Platform have been reviewed and analyzed, identifying gaps and needs for homogenization. The index of the technical handbook has been drafted and the work distributed within the Streering Teams.
- Each Platform STs defined which functional tools will be used/developed
- The Standard Operating Protocols (SOP) v1 for automated coastal water samplers has been delivered to WP7
- The workshop on biological automated sensors provided a catalogue and procedures checklists (draft version is presented)
- A first list of KPPIs is presented
- A first design of a dashboard will be provided to WP11 e-infr.

WP 6 - Data management for multidisciplinary coastal data

WP Leader: Peter Thijsse, MARIS NL
WP Co-Leader(s): Veronique Creach, CEFAS UK. Leonidas Perivoliotis, HCMR GR

Main objectives that WP6 relates to:

- Obj3) Provide scientifically sound, high quality multidisciplinary datasets to European marine data portals (EMODnet, SeaDataNet/Cloud and CMEMS), hence enriching physical, chemical, biological essential ocean variables (EOVs) following an ecological approach for coastal and shelf seas.

- Obj11) Support the emergence of high added-value services and products to coastal and shelf seas marine and maritime commercial actors

WP 6 - Data management for multidisciplinary coastal data

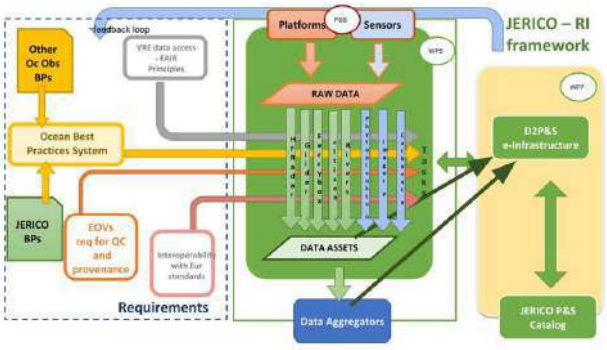
Main objectives

1. **Facilitate the data management for JERICO-RI coastal platforms**, by identifying, agreeing, close gaps, and support for applying Best Practices from multi platform perspective, covering the whole data lifecycle
2. **Identify the JERICO-RI target platforms - pilot super sites, IRS's** - representing the basis for the coastal component of a potential future EOOS.
3. **Identify, test and compile JERICO-RI tools for QC, data and metadata management**

main outcomes

- Catalogue of monitoring networks in scope for the ESFRI roadmap, targeted to publish FAIR datasets to support the EU infrastructures, the Blue Cloud and EOSC.
- Best practices and standards for each datatype to be handled in the networks
- Datamanagement tools to be used in the JERICO Virtual Infrastructure

WP 6 within JERICO - Overview



WP 6 - Data management for multidisciplinary coastal data

Internal (JERICO-S3) main interactions

⇒ with WP5 to align actions towards WP3 and WP4 when contacting the regional networks and experts (link to WP5 Steering Teams!))
⇒ With WP7/11 for the contributions like catalogue and tools
⇒ With WP3 IRS and WP4 PSS to create an overview of monitoring programmes and platforms, and feedback the BP's in datamanagement.
⇒ And to the other WP's

External (JERICO-S3) Interactions

- EMODNET, SeaDataNet, OBIS, Copernicus, INSTAC, EuroGOOS ROOSes, and eventually feed data and services into BlueCloud and EOSC

WP 6 - Data management for multidisciplinary coastal data

Specific objectives

- Completed Sextant Catalogue (Demo later)
- **Overview of standards and BP's for selected platforms** with physical and BGC parameters
- **Newly developed/synthesized standards and BP's** for platforms with Biological sensors (imagery, phytoplankton, carbonate systems)
- Improved FAIRness of data from the monitoring networks (prov!)

Priority actions:

- D6.1 Draft Data Management Plan - HCMR – M6
- D6.2 JERICO-RI inventory of platform, dataset and data products, content related to MSFD/EOVs (input for task 6.1.2) - SMHI – M3 prelim version, final M12
- MS6.1: Inventory of coastal citizen science initiatives - SMHI - M9
- MS6.2: Workshop reports for establishing best practices for imagery data management (HZG) - M12/24
- MS6.3 Workshop reports for establishing best practices for data management for biological sensors (CNRS MIO/LOG) - M12/24
- MS6.4 Workshop reports for establishing best practices guidelines and strategy for coastal carbonate systems data management (FMI) - M12/24

WP 6 - Data management for multidisciplinary coastal data

Difficulties, Gaps and Risks :

- Lack of responses. Many interactions required with other WP's and many different persons to involve. Also risk of overloading with requests.
- Very short timeline for first results on catalogue, needs active involvement.
- Need to reach the platform communities regarding BP's and standards adoption

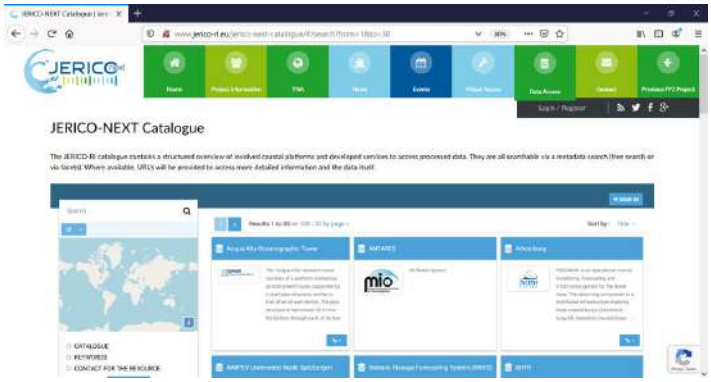
Conclusion - If we succeed in the end:

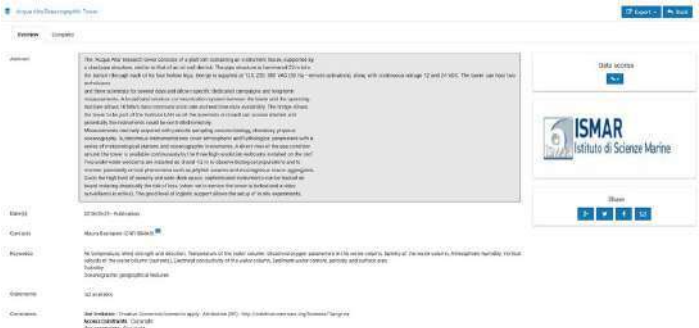
- JERICO RI platforms can and will contribute more to the European data infrastructures.
- Gaps regarding standards and BP's for biological sensors will be filled, in close cooperation with existing networks of experts
- JERICO RI supports to optimised accessible FAIR data, achieving and proving added value for Blue Cloud and EOSC
- But this takes much effort and cooperation in next 4 years!

Now: short demo of Sextant

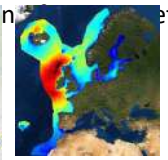
WP 6 - Sextant catalogue

- Jerico has its own catalogue in Sextant such as :
  - Seadatanet
  - Emodnet Chemistry/Hydrography/Physics
  - ODATIS
  - MSFD
  - IR-ILICO
  - And 180 other projects or laboratories
- Sextant is deployed as an API (Application Programming Interface)
- It can be deployed on every website. Some examples :
  - https://www.**seadatanet.org**/Products
  - https://www.**emodnet-chemistry.eu**/products/catalogue
  - https://www.**odatis-ocean.fr**/donnees-et-services/acces-aux-donnees/catalogue-complet





- A basic template to fill and consult metadata
- Catalogue access rights :
  - 1 reviewer - THIJSSE Peter
  - 27 members have a full access to the catalog
  - Public access
- Sextant also has a map viewer which can be used to display georeferenced data (products, n et

WP 7 - Technological Innovation

WP Leader: Eric Delory, PLOCAN, Spain
WP Co-Leader(s): Simone Marini , CNR, Italy
Partners: PLOCAN, IFREMER, AZTI, BLIT, CNR, CNRS, EIT, FMI, HZG, IRB, MARIS, NIVA, NORCE, OGS, SOCIB, SYKE, TalTech, UNESCO, UPC, 52N

Main objectives:

Develop and integrate innovative technologies and methodologies:

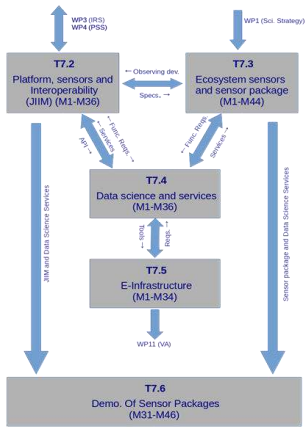
1. New technologies for **interoperability of platforms** (7.2),
2. Innovative **sensors and sensor packages for multidisciplinary ecosystem monitoring**, coupling physics, chemistry and biology will be developed and integrated, focussing on their in-situ operability (7.3)
3. **Data science methodologies**, based on machine learning (7.4) e.g. to enable event-based automated sampling.
4. the **JERICO research e-infrastructure** (7.5), to ease discoverability and access to resources, including observation data and data product services, open software and best practices.
5. Bring developments to operation for **in-situ demonstration on a reference site** (7.6).

⇒ What is the general added value for JERICO-RI ?
- Improvement of end-to-end observing capacity, from sensor to data usage, demonstrated, in the field and through on-line tools and the development of an e-infrastructure for improved discoverability and accessibility.

⇒ What are the main outcomes ?
- Sensor packages seamlessly integrated in a **coastal interoperable module** (JIIM)
- **Improved monitoring of ecosystem variables**, building on several sensor innovations and techniques
- **Innovative on-line access to data and services,** interconnected with sustained resources on **training and practices.**

WP 7 - Technological Innovation

WP Leader: Eric Delory, PLOCAN, Spain
WP Co-Leader(s): Simone Marini , CNR, Italy



Internal (JERICO-S3) Interactions
⇒ WP1-3-4 (scientific priorities and site selection for final demo),
⇒ WP6 and WP11 on data and products deliveries through the VA portal

External (JERICO-S3) Interactions
⇒ Developers of recent EU projects (NeXOS, BRAAVOO, Blue-Cloud, Eurosea, possibly Projects funded under H2020 BG07).
⇒ With other legal entities (ERICs, Leitat, Univ. Lausanne,)

WP 7 - Technological Innovation

Specific objectives :

1. **Building a Jerico Interoperable Instrument Module** (JIIM), prepared for coastal environments (e.g. against biofouling) with SWE and IoT protocols to ease end-to-end integration of new sensors
2. Development, integration and demonstration of **ecosystem instruments** (sensors, sampler)**,** some integrated on JIIM
3. Development of **automated methods for adaptive sampling b**ased on algorithms embedded on JIIM and discoverable through the e-infrastructure (Intelligent Services)
4. Development of a comprehensive **e-infrastructure**, where Jerico data will be FAIRly accessible, incl. external tools/resources made available through APIs, and **thematic services with data products for regional current mapping, water masses, multi-platform BGC data, plankton imagery**
5. Integrate, test and demonstrate one **Autonomous Coastal Observing Benthic Station (ACOBS) based on JIIM equipped with J-S3 WP7 innovations**, consisting in a multi-compartment (physics, chemistry, biology) observing device.

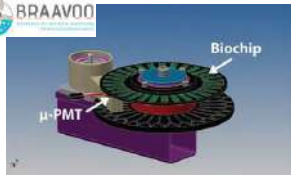
WP 7 - Technological Innovations (DAQ, sensors, samplers, ...)

Coastal module building on EMSO EGIM development

Potential OoT projects candidate sensors will be evaluated in WP7/T7.3

TNA - Advance

J-S3 WASP

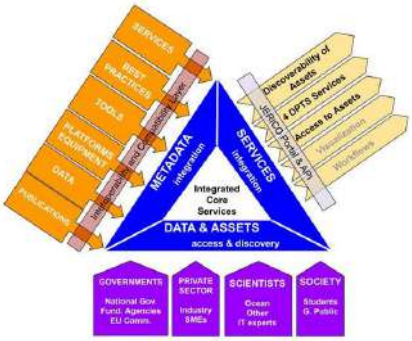


several JERICO-NEXT sensor developments in BGC & biology

J-S3 Transnational access

WP 11 - Virtual Access

e-JERICO initial concept



WP 7 - Technological Innovation

4 years time line:

		Month
D7.1	Prototype of JIIM, with core set of instruments for the measurement of cEOVs	18
D7.2	Suite of Sensor Web components for the end- to-end integration of the JIIM into interoperable infrastructures	30
D7.3	Test report of JIIM prototype in representative different coastal environments	36
D7.4	Prototype sensor packages and WASP	36
D7.5	Pilot D2PTS Demonstration	25
D7.6	Documentation of JERICO-RI e- infrastructure and capabilities	34
D7.7	Specifications and benchmarking of sensor packages	44
D7.8	Intelligent services and data science methodologies for the JIIM and the VA e-infrastructure	36
D7.9	Technological innovation 29 - PLOCAN Report Public 46 demonstration report	46

Milestone number	Milestone title	Due Date (in months)
MS36	Review of emerging technology	8
MS37	WASP available for test-cases	24
MS38	Demonstration of VA infrastructure	25
MS39	Sensor packages ready for deployment	36
MS40	Intelligent services integrated in JIIM and data science methodologies integrated in the VA e-infrastructure Demonstration of Pilot	36
MS41	Sensor packages and deployment sites prepared for demonstration mission	36
MS55	Review status dissemination and exploitation plan (phase #1)	18
MS62	Review status dissemination and exploitation plan (phase #2)	36
MS63	Review on communication tools: description of the tool per targeted group	38

WP 7 - Technological Innovation

1st year time line:

- ⇒ **Review of emerging technologies** for selection of sensors
- ⇒ Receive **scientific priorities** and contrast them with new **sensors maturity/availability**
- ⇒ Exchange requirements for **sensor-platform integration**
- ⇒ Progress on **functionalities/ integration capacity** of instrumentation for biogeochemistry and biology

- ⇒ **Dissemination plan for year 1-2** (subset, ideas)
- ⇒ Jerico-S3 innovation plans paper to **IEEE Oceanic Engineering Conference**
- ⇒ Year 1-2 - Potential for submitting **Best Practice** for eDNA processing methodologies (OBPS/Frontiers) - under discussion

Difficulties, Gaps and Risks :

- Early **site selection** for sensor package configuration for **final demonstration**
- Biological observing **systems integration** on JIIM
- Decide on e-Infrastructure **back-end environment** and deliver in –time for VA operation
- **Availability of innovative OoT sensors** and biosensors
- **Delay in development** of the Interoperable Instrument Module (JIIM) and innovative ecosystem sensors and sensor packages
- **Delays in the development** of data science algorithms for intelligent systems and virtual research environment.

WP 7 - Technological Innovation

Conclusion : "Remember the future" exercise (1 year from now).

- Common agreement on JIIM requirements and sensor packages to be demonstrated
- Demonstration site(s) selected
- E-infrastructure development on schedule for future VA operation
- Datasets being collected for data science training are fit for purpose
- Progress on instrumentation developments (improved functionalities/integration capability/validation)

JERICO-S3

JERICO-S3

KICK-OFF MEETING

FEBRUARY 17-21 2020

WP 8

Transnational Access

Paul Gaughan , Marine Institute

This project has received funding from the EC Horizon 2020 Research and Innovation programme under grant agreement No 871153. Project coordinator:

WP 8 - Transnational Access

WP Leader: Alan Berry , Marine Institute, Ireland.
Partners MI, IFREMER, AWI, AZTI, CNR, CNRS, FMI, HZG, IH, NIVA, SYKE, VLIZ

Main objectives

Aim:
Establish and facilitate access to JERICO-S3 RI's & Resources through well-established EU Trans national Access instruments.

General Objective:
To Provide smooth and efficient access to JERICO-S3 Research Infrastructures and Resources for researchers or research teams from academia and industry using EU funded TA and VA instruments, assuring integration of TA activities in VA framework and enhancing the access to BCG and biological observing systems, thus reinforcing the ocean data value chain. The access opportunities will build long-term, collaborations between users and JERICO-S3 RIs.

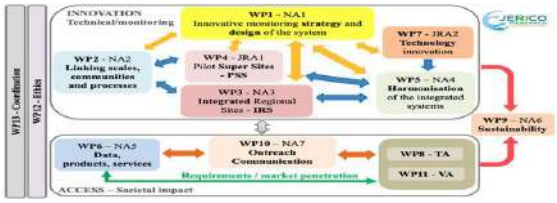
Specific objectives :

(1) Provide coordinated 'free of charge' trans-national access to researchers or research teams from academy and industry to mature coastal infrastructures;
(2) Build long-term collaborations between end users and JERICO-S3 RIs;
(3) Promote innovation and the transfer of know-how in the coastal marine sector that offers rich promise for the future.;
(4) Ensure integration with VA task **WP11**

WP 8 - Interactions with other Work Packages

Internal (Jerico-S3) Interactions

⇒ The TA Work package will run in collaboration with
- **WP3** (Integrated Regional Sites), **WP4** (Pilot Super Sites), **WP5** (Harmonisation), **WP7** (Technological Innovation) and **WP10** (Dissemination, communication and engagement with stakeholders).



a. Located in different coastal areas in a partnership and selected for scientific and sustainable reasons, Infrastructures will offer the technical support to the users for their experiments as well as the **data management framework in WP6**.
b. All data collected under TA frame will be discussed with **WP5 during the preparatory phase**. From testing and validating new techniques, technologies and sensors to proof of concept studies, the data and information collected under TA should be stored in **WP5** (in the agreement conditions).
c. All TA projects will clearly define outreach objectives in collaboration with **WP10 (Outreach & Communication)**.
d. Proposals related to **WP7 (Technological Innovation)** will be encouraged and will have priority as well as proposals including private companies.

Interaction With Committees : *Selection Panel Committee required to Evaluate the TA proposals for each of the 3 calls. Agree make up of panel at KOM*

WP 8 - How Transnational Access will progress....

4 years timeline: Recap the main events of the WP: MSs, DLs, products, demonstrations, tasks role and interaction, etc.
- Aim that 3 TA calls are issued and successful projects were rigorously assessed to ensure the maximum benefit to the development and harmonisation of the Jerico RI are fully completed with all costs submitted approved and paid.
- TA will be an exemplar of the power of a fully integrated Jerico RI -
- Outcomes from TA is vital in establishing a powerful business case and business plan for a sustainable RI

1st year timeline:
- Evaluation panel selected
- TA guidelines/Terms and conditions/FAQ updated - Jerico Website updated
- TA/VA workshop with All regions - Ideas for new TNA concepts.
- Description of facilities deliverable complete
- 1st TA call **M6** launched & reviewed by selection panel and projects approved and underway

TA Dissemination plan

1. Outreach to users: promote access to users and user-groups through engagement with **WP10** (Dissemination, communication and engagement **IH & BLIT** with stakeholders), facilitating users from countries where similar facilities are not available using outputs from T9.2 (Community of users in JERICO-RI: Analysis of Users and usage strategy), stimulating the testing of new sensors and equipment being developed in WP7 (Technological Innovation).

1. JERICO-S3 will organise three calls for proposals through Task 11.7.2 (Launching calls and evaluation of proposals).

1. The open calls will be published widely through the web, mailing lists and through other public access media with respective milestones at M10, M23, and M35.

Difficulties, Gaps and Risks :
- Lack of uptake of TA support packages. WP10, WP8 Broad publicity and engagement plan withindustry at exhibitions, conferences and scientific fora.
- Logistical or technical delays during TA / VA provision WP5, WP8 WP5 seeking implementation of best practices to avoid such issues.

WP 8 - Transnational Access

Description of deliverables

- D8.1 Description of facilities in TA provision **(M9)**
- D8.2 Report on TA provision **(M42)**
- D8.3 Report on combined TA+VA provision **(M47)**

Note the **Modality of access (MoA)** under this TA programme

1.MoA 1: Remote: the presence of the user or user group is not required at any time during the access period,

2.MoA 2: Partially remote: the presence of the user or user group is required at some stage, e.g. for installing and uninstalling an instrument.

3.MoA 3: In-person ("hands-on"): the presence of the user or user group is required/recommended during the whole access period.

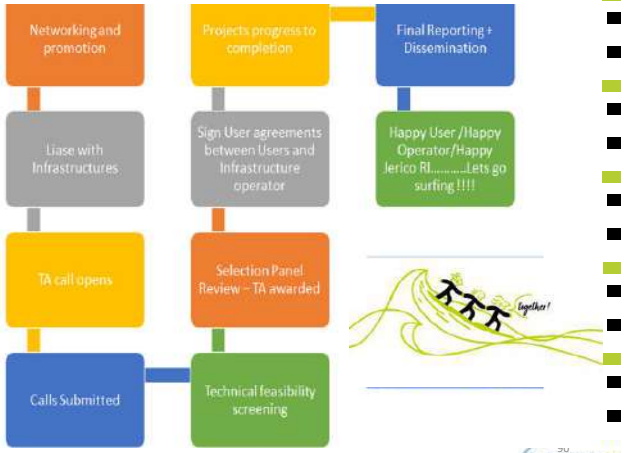
WP 8 - TA Milestones

Milestone	Partner	Month	Verification Method
1st Call for TA Applications	MI	6	T13.5.2
2nd Call for TA+VA Applications	MI	18	T13.5.2
3rd Call for TA Applications	MI	30	T13.5.2
Review status dissemination and exploitation plan (phase#1)	IH	18	ST 10.2.2
Promotion of TNA & VA activities including impact (phase #1)	BLIT	24	ST 10.5.2
Review status dissemination and exploitation plan (phase #2)	IH	36	ST 10.2.2
Review on communication tools: description of the tool per targeted group	IH	38	ST 10.5.3
Promotion of TNA & VA activities including impact (phase #2)	BLIT	42	ST 10.5.2

DOA 1.3.8. WT8 Summary of transnational / virtual access provision per installation

Access provider short name	Short name of infrastructure	Installation number[32]	Installation Short name	Installation country code[33]	Type of access[34]	Unit of access	Unit cost (€)	Min. quantity of access to be provided	Access costs[35] On the basis of UC	Access costs[35] As actual costs	Estimated number of users	Estimated number of projects
17 - HZG	COSYNA	4	CL	DE	TA-ac	30 day		60.0		24274.25	3	2
17 - HZG	COSYNA	5	FB	DE	TA-ac	90 day		45.0		11177.63	1	2
17 - HZG	COSYNA	6	MUO	DE	TA-ac	2-week		2.0		11156.16	3	2
17 - HZG	COSYNA	7	ICCOM	DE	VA					49666.66		
19 - IH	HIDROGRAFICO +	1	HIDROGRAFICO +	PT	VA					45000		
19 - IH	MONIZEE	1	MONIZEE	PT	TA-db	day	36	333.6	11988	9035.83	2	1
21 - IOW	Finnish GHG/BGC	1	Finnish GHG/BGC	DE	VA					11062.5		
25 - MI	SmartBay	1	Observatory	IE	TA-uc	day	200	291.0	58200		4	4
25 - MI	SmartBay	3	Glider	IE	TA-uc	day	800	3.0	2400		2	1
25 - MI	SmartBay	2	SmartBuoy	IE	TA-uc	day	350	84.0	29400		4	4
26 - NIVA	NorFerry/ NorSOOP	2	NRS	NO	TA-db	week	956.63	15.0	14349.45	11137.5	4	6
26 - NIVA	NorFerry/ NorSOOP	3	NIVAcruise	NO	VA					9375		
26 - NIVA	NorFerry/ NorSOOP	1	TF-FA-NO	NO	TA-db	day	49.47	133.0	6239.95	42082.5	2	6
27 - OGS	MAMBO Coastal Buoy	1	MAMBO	IT	TA-uc	day	167.81	144.0	24164.64		2	5

WP 8 - TA Call Process Flow



WP 8 - What the attendees must "remember" !

1. TA proposals will be selected on the basis of scientific excellence, innovation and impacts for the research community, but with **priority to users of PSS defined in WP4** and users coming from countries where requested infrastructure is not available. Please attend and contribute TA/VA meeting on Thursday morning
1. Review the infrastructures **(49)** included in the DOA - contact Infrastructure owner for clarifications on technical queries.
1. Users shall interact directly with the facility operators during the preparation of their proposals to confirm that their targeted facilities are suitable for the planned experiments.
1. Please promote the TNA call through your Networks
1. Ensure TNA applications are submitted on time.
1. Ensure all costs are **fully** receipted and submitted in a timely manner
2. Be ambitious - TA a flagship demonstrator of value added by a Jerico RI

WP 9 - A sustainable JERICO-RI

WP Leader: Puillat I., Ifremer, France
WP Co-Leader(s): Nolan G., EuroGOOS, EU

Main objectives

⇒ To progress towards the ESFRI roadmap
- By gathering the needed material across WPs, as a funnel to WP9
- By preparing specific material in addition to the WPs outcomes
- By involving national RIs

⇒ It will build on regional structuring process a strategy for future organisation
⇒ To then implement a sustainable system of systems for a European coastal infrastructure.

Main Expected outcomes

- Users Strategy: access and services (T9.2)
- Technical Design Report: Preliminary Design of JERICO-RI (T9.3)
- Business plan & Governance: preliminary version (T9.4)
- Institutions and nations commitments (T9.5)

How to?

…

WP 9 - A sustainable JERICO-RI

Specific objectives and some key elements of methodology

Obj. 1: Task 9.2: Mapping of users and user analysis, to assess their related power to support JERICO-RI

- ➔ JERICO User Committee: JUC
- ➔ WP9 Workshop : Session #1 thursday afternoon

Obj. 2: Task 9.3 Pre design of JERICO-RI

- ➔ WP1 will provide elements for pre-design of the Science and technology part.
- ➔ WP2 will provide elements of formal collaborations with other EU RIs and initiatives.
- ➔ WP6 & 11 will provide elements for virtual part.

Obj. 3: Task 9.4: Elaboration of a preliminary Business plan (built on regions' inputs + TA/VA, …)

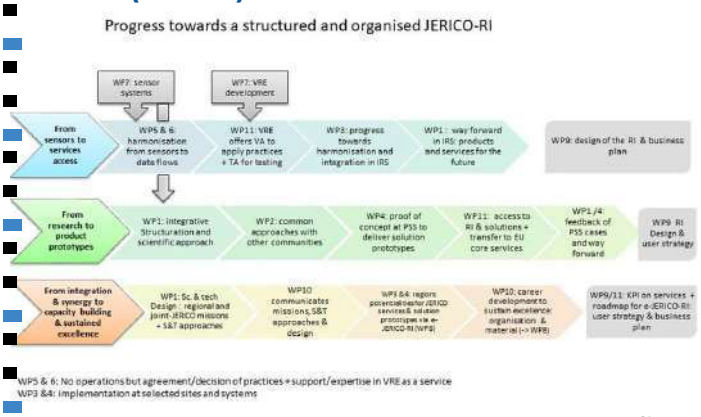
- ➔ Need of one expert/contact person per partner

Obj. 4: Task 9.5: Engagement of institutions and nations for long term commitments

- ➔ Proposition of a governance for an organisation of JERICO-RI
- ➔ LTG committee: one representative per Nation
- ➔ Formal Collaboration with other EU initiatives, including EOOS

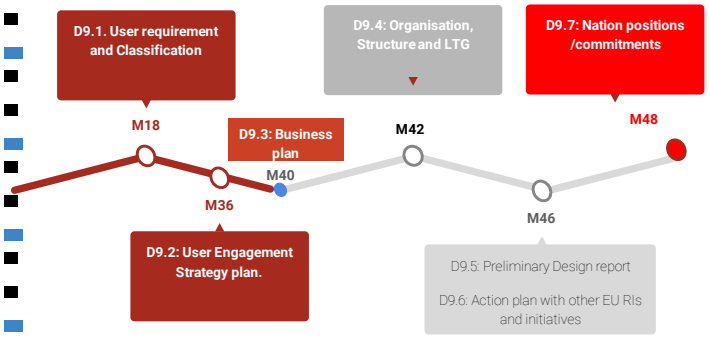
WP 9 - A sustainable JERICO-RI

Internal (JERICO-S3) Interactions



WP 9 - A sustainable JERICO-RI

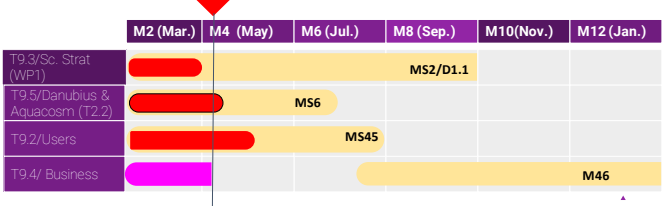
4 years timeline as initially planned



1st year timeline

5 May : ESFRI 2021

WP 9 - A sustainable JERICO-RI



1. **Task 9.5 starts @ M12** but already Started
   Meeting of LTG committee (National RIs): M13 or M6? (JDS!!)
1. **MS2 (@M9):** Feedback from WP9 on draft D1.1
1. **MS6 (@M6)**: Bilateral Communication with Danubius & Aquacosm partners /Link with T9.5
1. **M45 (@M1&6)**: 1st meeting of the user committee
1. **M46 (@M12)** : Informative doc to support preparation of the Business plan (for operators and ref. persons)

WP 9 - A sustainable JERICO-RI

Timeline until May

Wednesday - Thursday ARW#1

- Scientific & Technology approach per region
- Scientific & Technology approach common/across regions
- Operational/harmonisation level from observation to data
- Users per regions including TNA/VA per region added value
- Collaboration with EU RIs etc per region

Thursday - Friday: WP9 workshop

- Session #1: Users workshop (Thursday pm)
- Session #2: Progress on the scientific & Business case,
  - including Mission Vision exercise (Friday am)
- Session #3: Progress on the Gouvernance (Friday am)

End of April 2020

WP 9 - A sustainable JERICO-RI

"Remember message".

JERISO-S3, then JERICO-DS proposal, …

now ESFRI Proposal

We are progressing a LOT !!!

whatever will be the answer, the result will be positive

Thanks to you all … well organised straw bales are coming!

JERICO-S3

JERICO-S3
KICK-OFF MEETING

FEBRUARY 17-21 2020

WP10 - Dissemination Communication and Engagement with Stakeholders

This project has received funding from the EC Horizon 2020 Research and Innovation programme under grant agreement No 871153. Project coordinator: Ifremer 1

WP 10 – Dissemination Communication and Engagement with Stakeholders

WP Leader & co-Leaders :

- Joana Gomes (IH, Portugal)
- Simon Keeble (BLIT)
- Dominique Durand (COVARTEC, Norway)
- Laurent Delauney (IFREMER, France)
- Joaquin Tintore (SOCIB, Spain)
- Lauri Lakso (FMI, Finland)
- Anauk Blauw (DELTARES, Netherland)
- Annalisa Griffa (CNR, Italy)
- Veronique Creach (CEFAS, UK)

WP 10 – Dissemination Communication and Engagement with Stakeholders

THE WP10 needs to:

Propose measures to achieve the expected impact of the project

1. Monitor the application of the dissemination and exploitation of the project results;
1. Drive the internal communication to share and agree on the common mission, value and vision of the JERICO-RI;
1. Promote the benefits for the scientific community, the internal strengths and capabilities of the RI, development of capacity building, sharing of expertise, training to access and use services of the e-infrastructures;
1. Maximise the visibility of JERICO-RI as a provider of observatories, expertise and data, and to further engage with stakeholders.

BUT…

WP 10 – Dissemination Communication and Engagement with Stakeholders

BUT…

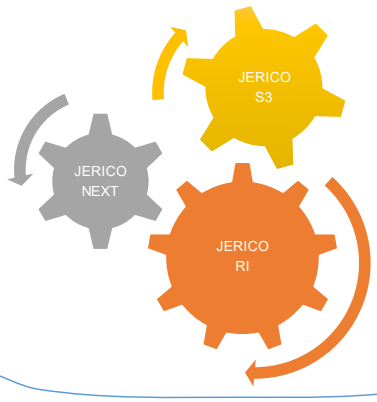
Do we need Jerico-S3 to communicate only with the stakeholders or…

At this point of the project should we start thinking about a Common Statement of the **JERICO-RI?**

Do we need to speak with other target users.

Who are they

WP 10 – Dissemination Communication and Engagement with Stakeholders



BUILDING A COMMON MESSAGE

BUILDING THE COMMON MESSAGE

OBJECTIVES

To reach out to all users (including decision and policy makers) in order to promote project actions and impact.

MISSION

To strength links within the consortium and between the consortium and other European initiatives in order to build win-win cooperation and to promote the European expertise.

VISION

To build a solid research infrastructure providing unique multidisciplinary and high quality datasets, products and services to the European scientific community and to the European users.

1. MAIN OBJECTIVES

Why this WP is named as it is ?

We need to have a JERICO Institutional Image
with key messages
values and mission,
and its benefits
in every European Mind, PAN-European Organization, Stakeholder, Scientifical Community and General User.

All of us need to use the right tool to each specific target so,
we will create the right flow to the right channel

1. MAIN OBJECTIVES

What is the general added value for JERICO-RI ?

Maximize the impact of JERICO-RI for societal /environmental and scientific challenges.

The reaching out to the stakeholders (including decision and policy makers) in order to promote project actions and impact.

To make it a reality in the eyes of the Stakeholders

1. MAIN OBJECTIVES

What are the main outcomes ?

A Community network that will significantly improve the relationship with the end-user

Consolidate Strategic elements supporting the development and implementation of JERICO-s3

Integrate the channels of communication between the regions and the local communities in a long-term vision for JERICO-RI

A tool box will be created so that all the Work Packages use the same materials, based on the common concepts and so creating a link that relates all the involved parts

2. SPECIFIC OBJECTIVES

The communication activities have the following objectives:

- To give the project high relevance and visibility
- To optimize the communication with relevant stakeholders
- To promote the open dialogue between scientist and users
- To support the establishment of the project's position within the scientific community
- To maximize the visibility of JERICO-RI

WP 10 – Dissemination Communication and Engagement with Stakeholders

Internal (JERICO-S3) Interactions

With the other WPs involved

Installed channels will support the initiatives of the different WP whenever their events may benefit.

With Committees *(which, why and when)*

Advertising the training course,
Promoting the webinar,
collecting feedback and statistics

WP 10 – Dissemination Communication and Engagement with Stakeholders

1st year time line:

Install and promote the internal communication network
Evolve the logo to a more modern and inclusive concept
Standardize the different dissemination elements
direct J-next followers onto the Jericho-RI initiative
Migrate the JERICHO NEXT website to
JERICO-RI identity and support the S-3 needs

- **Improve Internal communication – M4**

Creating a collaborative efficient platform, that will keep the all participants informed of the project status;

With regular meetings of the Steering Committee in person and also video conference

WP 10 – Dissemination Communication and Engagement with Stakeholders

1st year time line:

Create a Communication Plan to ensure an optimal information flow, setting-up channels and procedures for communication outside the project – M6

I. Pan-European Organizations and Projects;
II. Potential Users;
III. Stakeholders;
IV. And General Public.

WP 10 – Dissemination Communication and Engagement with Stakeholders

Difficulties

Attaining widespread cooperation

Adapting materials beyond the language, to the culture

Gaps and Risks

Finances

Cooperation non-existent

WP 10 – Dissemination Communication and Engagement with Stakeholders

So…

What?

WP 11 - Virtual Access

WP Leader: J. Tintoré/, J.G. Fernández, SOCIB, Spain

VA is the free of charge provision of access to widely used resources needed for research, openly and freely available through communication networks.

Main objective

To support and improve access to all kind of JERICO RI resources by using communications networks (likely the Internet)

Specific objectives :

- Support virtual access activities of the selected Virtual Infrastructure Providers.
- Coordinate actions with Virtual Access Providers and WPs to support Task 7.5 to effectively achieve the development of the JERICO e-infrastructure (e-JERICO).
- Improve JERICO RI Virtual Access by operating the e-JERICO from M25, and in particular, by providing access to its centralized resource catalog.

WP 11 - Virtual Access

Work Programme 2018-2020; *4. European research infrastructures (including e- Infrastructures)*
https://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-infrastructures_en.pdf

Virtual access activities:
To provide virtual access to resources needed for research through communication networks without selecting or even identifying the researchers to whom access to resources is provided.

Examples of virtual access activities are databases available via Internet, or data deposition services.

Only virtual services widely used by the community of European researchers will be supported, therefore the services offered under a project shall be periodically assessed by an external board. In addition statistics on the access provided shall be given to the Commission.

Virtual access activities will be supported through the reimbursement of the operating costs incurred by the infrastructure or installation for providing virtual access to resources over the duration of the project. EU financial support will never include capital investments while it may cover all the technological and scientific support needed by researchers to effectively use the service. Only eligible costs that can be clearly attributed to the provision of access can be reimbursed.

WP 11 - Virtual Access

AMGA: Version 5.2; 26 June 2019.
https://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/amga/h2020-amga_en.pdf

16.2 Rules for providing virtual access to research infrastructure

*'**Access providers**'[36] must provide access to research infrastructure or installations[37]:*

a) The access must be free of charge. 'Virtual access' means open and free access through communication networks to resources needed for research, without selecting the researchers to whom access is provided;

*b) The access provider must have the virtual access services **assessed periodically** by a board composed of international experts in the field, at least half of whom must be independent from the beneficiaries, unless otherwise specified in Annex 1.*

20.3 Periodic reports — Requests for interim payments

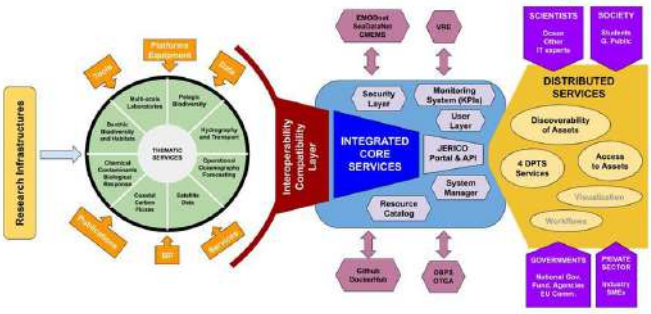
***For virtual access to research infrastructure:** The reports must detail the access activity, with statistics on the virtual access provided in the period, including quantity, geographical distribution of users and, whenever possible, information/statistics on scientific outcomes (publications, patents, etc.) acknowledging the use of the infrastructure;*

36 '**Access provider**' means a beneficiary or linked third party that is in charge of providing access to one or more research infrastructures or installations, or part of them, as described in Annex 1.

73 '**Installation**' means a part or a service of a research infrastructure that could be used independently from the rest. A research infrastructure can consist of one or more installations.

WP 11 - Virtual Access

VA Framework:



WP 11 - Virtual Access

General added value for JERICO-RI?

Virtual access to JERICO RI resources in an integrated & homogeneous way. This is mostly achieved by e-JERICO, which could be seen as an integration service.

What are the main outcomes?

- Linking virtual infrastructures communities by providing the Virtual Access Framework.
- Operation of the e-JERICO to demonstrate its capability.
- Give evidence of Virtual Infrastructure Providers improvements in virtual access.

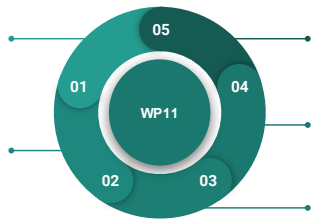
WP 11 - Virtual Access

Internal (JERICO-S3) Interactions

⇒ With the other WPs involved:

WP3 & WP4
Virtual Infrastructure Providers WP11 is supporting virtual access through all regions. Each iteration will be benefit of the integration process.

WP5 & WP6
Harmonization and Best Practices to provide integration: support for the creation of the resource catalog. Especially focused on Data Management, but not only.



WP7 & WP10
Development of the e-JERICO and the corresponding outreach activities.

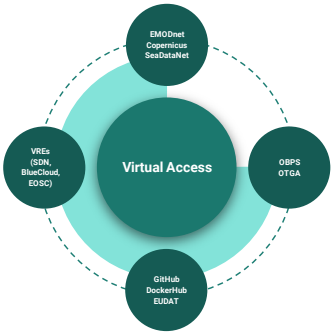
WP1, WP8 & WP9
Iterative process of the User Strategy: gaps and expectations to be satisfied by the Virtual Access Framework first by developing the e-JERICO and then by the capabilities of an operational e-JERICO. Link with TNA.

WP2
Integration with main European Data Infrastructures. Further iterations will provide multi-domain connectivity.

⇒ With Committees
The User Committee will be set up through WP9 and will be a key actor in defining strategic actions to improve and upgrade the Virtual Access Framework, and thus, the JERICO RI Virtual Access capabilities.

WP 11 - Virtual Access

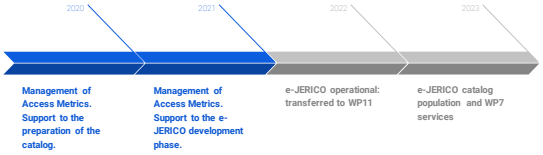
External (JERICO-S3) Interactions



WP 11 - Virtual Access

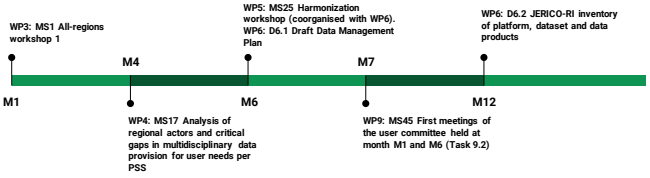
4 years time line:

(main events of the WP: MSs, DLs, products, demonstrations, tasks role and interaction, etc.



WP 11 - Virtual Access

1st year time line:



WP 11 - Virtual Access

Difficulties, Gaps and Risks :

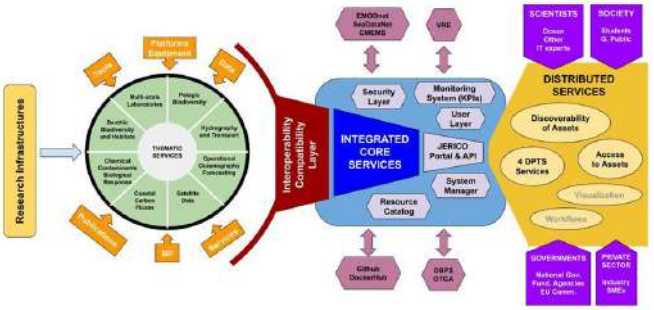
- Main challenge: to effectively engage and coordinate with JERICO community in an optimum way.
- Technological challenge: implementation (WP7) and system quality assurance (WP11).
- Risk: due to the high diversity in Virtual Service provision and data management strategies, the effort in achieving homogeneity could be higher than expected.

Conclusion : "Remember the future" exercise.

- Structured vision of the JERICO RI Virtual Access ecosystem achieved
- Online dashboard providing Access Metrics of the Virtual Infrastructure Providers put in place internally: at the moment not all the providers had managed to provide metrics in a suitable way.
- Due to close collaboration with WP3, WP4, WP5 and WP6, a first attempt of populating the catalogue has been achieved, although some difficulties has arisen and some mitigations actions are already in place.

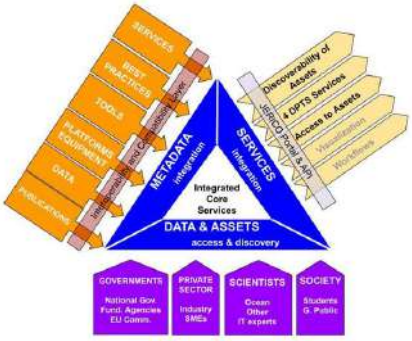
WP 11 - Virtual Access

VA Framework:



WP 11 - Virtual Access

e-JERICO initial concept



JERICO-S3

JERICO-S3

KICK-OFF MEETING

FEBRUARY 17-21 2020

This project has received funding from the European Union's Horizon 2020 Research and Innovation programme under grant agreement No 871153.

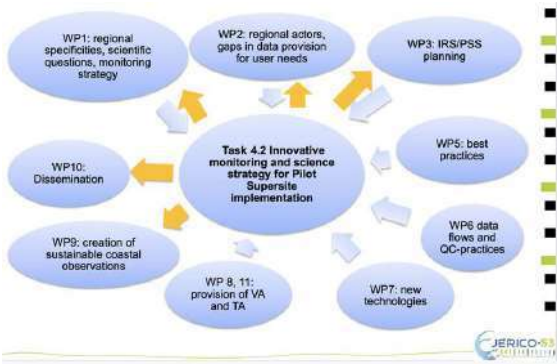
Project coordinator: Ifremer

JERICO-S3 WORK PACKAGES PRESENTATIONS

Kick Off meeting WrapUp

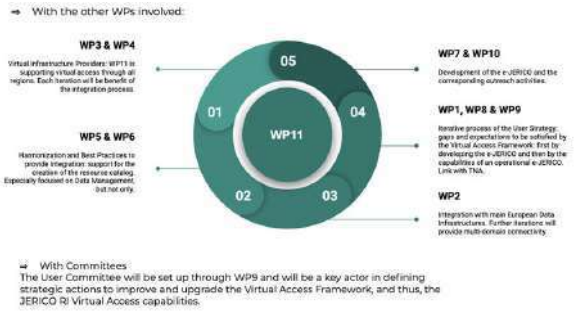
Kick Off meeting WrapUp

- **JERICO-S3 Challenge is indeed WorkPackages interaction !**



Kick Off meeting WrapUp

- **JERICO-S3 Challenge is indeed WorkPackages interaction !**



Kick Off meeting WrapUp

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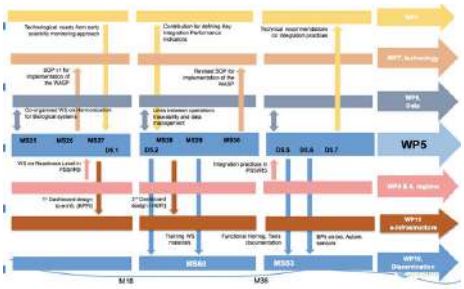
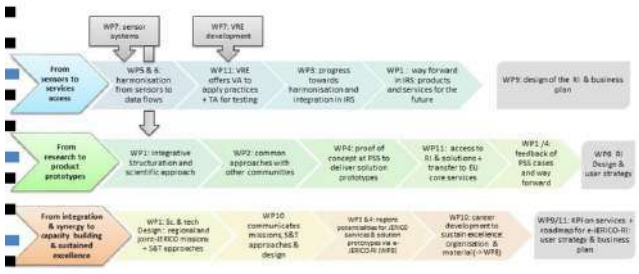


Kick Off meeting WrapUp

- **JERICO-S3 Challenge is indeed WorkPackages interaction !**



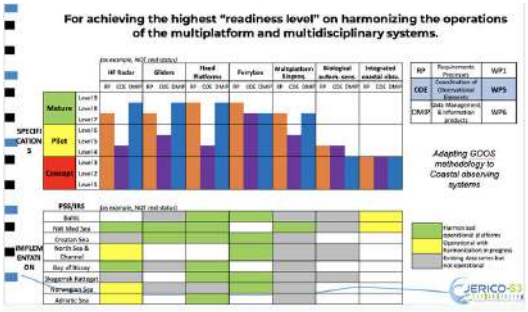
COORDINATION WILL PROPOSE WPs clusters and will organise specific virtual meetings to take care of WPs interactions

Kick Off meeting WrapUp

- ***"High level"* EXTERNAL connections needed by several WPs**
  E.g. Copernicus
- **Need to carefully coordinate connection to EXTERNAL Observing RIs and scientific RIs. Many WPs need to connect to them.**
- **Need to engage Site communities into the project. Low progress for IRS and PSS is a High risk for JERICO-S3.**
- **TA & VA is a way to be visible, to propose our know-how !**
  It's a CORE activity of INFRA IA project.
- **Biological data needs a specific care and will needs a lot of effort to improve. Strategic choices and targets must be established.**
- **Discussion on TA Calls calendar needed**

Kick Off meeting WrapUp

- **OPERATIONAL READINESS LEVEL**



Will help to strategically focused on the actions

Kick Off meeting WrapUp

THIS FIRST YEAR, even THE FIRST MONTHS will be CRUCIAL to establish many STRATEGICS INFORMATIONs and ACTIONS :

- **Information FOR and FROM IRS & PSS.**
- **Information FOR and FROM EXTERNAL COMMUNITIES**
- **Actions to help HARMONISATION (BPs, ORL)**
- **Actions for drafting the JS-3 cataloging.**
- **Users should be identified…**

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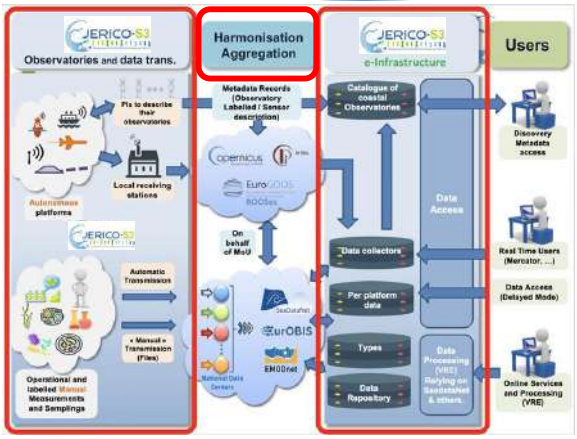

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JERICO-S3
KICK-OFF MEETING
FEBRUARY 17-21 2020

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