

MILESTONE N°18

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

MILESTONE NAME: Joint WP1, WP3 & WP 4 workshop to draft D4.1

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Involved Institution: SYKE, HCMR, AZTI, CNRS, NIVA, IRB

Date: 20.12.2020



→ 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)

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Document description

Document information	
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<u>JERICO-S3 MILESTONE</u> Joint European Research Infrastructure network for Coastal Observatory Science, Services, Sustainability	
Milestones title	Joint WP1, WP3 & WP 4 workshop to draft D4.1
Work Package Title	WP4
Milestones number	MS18
Description	<p>The workshop was planned to obtain support and feedback from WP1 and WP3 to WP4 in drafting Deliverable 4.1. Aim of the workshop was to define the key information needs regarding regional marine environments (regionalization and prioritization of Grand Challenges). A specific topic was to steer interaction between WP1, WP3 and WP4, and to streamline D4.1 <i>PSS monitoring strategies</i> and D3.1 <i>Initial analysis and summary of region-specific and region-wide monitoring strategies, and regional sustainability plans</i> in providing input to D1.1 <i>Early inputs towards sustainability</i></p> <p>As the covid-19 did not allow a physical workshop to be organised, the MS18 was realised as a series of online meetings.</p>
Lead beneficiary	SYKE
Lead Authors	Jukka Seppälä
Contributors	Jukka Seppälä (SYKE), Costas Frangoulis (HCMR), Anna Rubio (AZTI) Antoine Grémare (CNRS), Andrew King (NIVA), Martin Pfannkuchen (IRB)
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Associated Partners				
other				

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1. Attendees

As a physical workshop was not possible due to covid19, series of online meetings were organised as follows

Meeting 1. WP4 PSS lead meeting 14 Oct 2020 14:00-16:00 CEST

Meeting 2A WP4 all PSS Partners – meeting Fri 23.10. 13:00-15:00 CEST / 14:00-16:00 EEST

Meeting 2B. WP4 All PSS Partners – meeting Mon 26.10. 9:00-11:00 CEST / 10:00-12:00 EEST

Meeting 3. WP4 PSS Lead – meeting Mon 30.11. 2020 10:00-12:00 CET / 11:00-13:00 EET

Meeting 4. WP1-WP3-WP4 - meeting Thu 10.12. 2020 10:00-11:00 CET / 11:00-12:00 EET

From WP4, WP leads Jukka Seppälä and Constanting Frangoulis participated all meetings

From WP1, WP lead Anna Rubio participated meetings 1, 2A, 2B and 4

From WP1, WP lead Antoine Grémare participated meeting 4

From WP3, WP lead Martin Pfannkuchen participated meetings 1, 3 and 4

For other participants, see Annex 1- 4

2. Statement of Decisions

During the meetings, WP1 and WP3 followed the development of Deliverable 4.1. *JERICO-S3 Pilot Supersite monitoring strategies*. Following key decisions were made

Meeting 1. Overall content of D4.1. agreed. Responsibilities of Pilot Supersite lead partners in contributing to D4.1 were agreed.

Meeting 2A and 2B. Presenting responsibilities of Pilot Supersite partners in contributing to D4.1 were agreed.



Meeting 3. Pending details of D4.1 agreed

Meeting 4. Tentative timelines for D1.1, D3.1 and D4.1. agreed. Linkages between D1.1, D3.1 and D4.1 identified and discussed.

3. Agenda

For Agenda and memo of individual meetings, see Annex 1-4

4. Main report

Participation of WP1 and WP3 in planning of Deliverable 4.1. *JERICO-S3 Pilot Supersite monitoring strategies*, was realised by their participation in a series of online meetings.

In the Meeting 1, WP4 leads presented the overall structure for D4.1 and responsibilities of different partners. The structure was discussed and agreed. Pilot Supersite Lead partners were asked to provide their input for

- Description of regions
- Common and region-specific scientific research topics
- Common and region-specific organizational challenges for PSSs
- Key regional actors and user communities

It was further agreed that WP4 leads will start elaborating a section for Common societal and economic impacts. A template created by WP leads for Pilot Supersite implementation plan was presented and discussed.

In two identical meetings, 2A and 2B, communicated the overall structure of D4.1 to all WP4 partners and specified their responsibilities in providing details for Pilot Supersite implementation plan.

Meeting 3 was a practical workshop to go through details of the PSS implementation plan. Various unclarified points were discussed and the comments in the online document were sorted out.

Meeting 4 presented the almost final version of D4.1 to WP1 and WP3 (see table of contents in Annex 5). The contemporary versions of D1.1, D3.1 and D4.1 were crosschecked to identify possible overlaps, synergies and needs for further joint elaboration.

5. Conclusions

Despite the lack of physical meeting, communication between WPs was fluent, thanks to active participation of WP1 and WP3 leads in WP4 meetings in drafting D4.1. Such participatory work prevented major overlaps in work between WPs, allowed streamlining different deliverables, provided good peer-support to WP4 and enabled efficient and seamless communication between workpackages.

6. Annex 1: Meeting agenda and notes for meeting 1

PSS lead meeting

14 Oct 2020 14:00-16:00 CEST

https://meet.jit.si/JERICO-S3_WP4



Participants : Jukka Seppala, Laurent Coppola, Timo Tamminen, Alain Lefebvre, Francois Bourrin, Anna Rubio (WP1), Holger Brix, Anouk Blauw, Ingrid Puillat, Laurent Delauney, John Allen, Lea Godiveau, Melanie Juza, Bastien Tagliana, Martin Pfannkuchen (WP2)

GoF –PSS: Jukka, Timo
NW-MED PSS: Laurent, Francois
NSEA and CHANNEL PSS: Holger, Anouk, Alain
CRETAN PSS :Costas
T4.2 Team: John; Melanie
Coordination: Ingrid, Laurent D., Bastien. Lea
WP1-3: Martin, Anna

Agenda

1. Tour de table [1-2 min per PSS]
2. Call for contributions from EuroGOOS Members on tasks related to the EEA framework contract COINS [10 min, Ingrid]
3. Present overall structure of D4.1. [10 min, Jukka]
4. Introduce shortly the workload for PSS leads and partners toward PSS science strategy (D4.1.-section 3) and MS17 [30 min, Jukka & Costas]
5. Discuss the draft PSS implementation plan (D4.1-section 4) [30 min, Jukka & Costas]
6. Links to other WPs [30 min, Jukka & Costas]
7. AOB [5 min]

MEMO

1. Tour de table [1-2 min per PSS]

Recent PSS specific items per region, if any

Cretan PSS (Costa F.):

- Had the first meeting in July 2020

NWMED PSS (François B.):

- Focus on the impact of Northern current in the coastal area and especially on biogeochemistry/biology (zooplankton distribution)
- Organising a joint campaign with Italy, CNR → apply for a TNA proposal for a glider in fall 2021
- Try to do the same close to the Ebro delta at the end of the system at the same time
- Deploy glider-ADCP and compare with HF radar observations at both sites

CHANNEL PSS (Alain L.):

- new Ifremer WG “Observation of Tomorrow” (how to concretely set up our observation systems at the Ifremer level?)



- Contribution to Task 7.4.1 (lead Simone Marini) => anticipation of data processing needs within the EC PSS but also for others ;
- Ongoing bibliographic review to define the best available knowledge, recommendations for the implementation plan of an Integrated Observing System in the EC
- Not able to organize the 1st individual PSS EC meeting
- new PhD project (Ifremer, LER-BL/ ULCO-LISIC) under revision dealing with Machine Learning and HAB observation and forecasting (2021-2024).

NSEA PSS (Holger B.):

- NSea PSS has its emphasis on Carbon → collecting inputs (part of the PSS + others) + looking into data sources from river inputs. First phase finished by end Oct. 2020
- Then develop a strategy to identify where the gaps are and what it takes to close them → develop research to close gaps

GoF PSS (Jukka S.):

- meeting in June for PSS implementation
- PSS elements in place, some issues with one ferry (covid) and buoy (technical)

2. Call for contributions from EuroGOOS Members on tasks related to the EEA framework contract COINS [10 min, Ingrid]

3. Present overall structure of D4.1. [10 min, Jukka]

Work in progress, see

<https://docs.google.com/document/d/1BRgcZ-6CgsPBGQW-aetRUiENBB6U5hzW/edit>

Going through the table of contents

1. EXECUTIVE SUMMARY
2. INTRODUCTION

Supersite concept in Environmental RIs (max 1 page)

overall definition of Supersite concept in RIs, differences between study fields, examples from EU RIs and international ones.

Concept of JERICO Supersite (max 1 page)

What are the key differences between existing Supersites (of other RIs) and Jerico ones, what are the key requirements for Supersites in coastal domain, how are the connections to other RIs and other data collection/provision initiatives.

Overall objectives of JERICO Pilot Supersites (max 2 pages)

What is the expected role of Jerico Supersites in coastal research. What is the role of Pilot Supersites in this process.

0. SCIENCE STRATEGY FOR PILOT SUPERSITE IMPLEMENTATION

Key common scientific questions within JERICO-S3

give a brief outlook, what are the key coastal scientific questions

JERICO-S3 Pilot Supersite Regions

Introduce the Criteria how the regions for PSS have been selected and introduce their communalities and specificities. Introduce the regions.

Common and region-specific scientific research topics for PSSs

Reasoning behind the selection of the common pan-european and regional research questions for PSSs. How are the supersites expected to give added value



Common and region-specific organizational challenges for PSSs (1-2 pages)
what are the joint and region specific organizational challenges

Overall links to other RIs and user communities (1 page)

How do we connect to other RIs and user communities as single PSS and as joint JERICO-RI PSS community

Common societal and economic impacts (1 page)

Key regional actors and user communities,
provide a list of major actors in the PSS region.

IMPLEMENTATION STRATEGIES FOR PILOT SUPERSITES

Per region, description of the key region-specific questions PSS is targeting (redundant...)

Introducing the implementation plan
short introduction to implementation plan

Implementation plan

THE BEEF OF D4.1, TO BE DISCUSSED SEPARATELY

OUTREACH, DISSEMINATION AND COMMUNICATION ACTIVITIES

Common actions ...

CONCLUSIONS

ANNEXES AND REFERENCES

4. Introduce shortly the workload for PSS leads and partners toward PSS science strategy (D4.1.-section 3) and MS17 [30 min, Jukka & Costas]

Contribution to sections 3.2, 3.3, 3.4, 3.6, & 3.7 expected from PSS leads.

<https://docs.google.com/document/d/1BRgcZ-6CgsPBGQW-aetRUIENBB6U5hzW/edit#>

4.1. Check the **region specific** text in "3.2. JERICO-S3 Pilot Supersite Regions"

- We do not show a map per region here, but an overall map with all regions, or?
- **ACTION (DL 30.10.) PSS leads, modify as needed**

4.2. Contribute to 3.3. **Common and region-specific scientific research topics for PSSs**

- **ACTION (DL 30.10.) PSS leads, modify the text as needed and add your contributions to the table**
- The table was discussed during the meeting .It was agreed to complete it, later to decide how information is used. Editable table is included in the document (formatting later)
- It was decided to NSea And Channel separated at this phase

4.3. Contribute to the table and text in 3.4. Common and region-specific organizational challenges for PSSs

- We finally decided to test if we indicate our common challenges in the table. For final version we will see, if table is included or not, it depends how different our answers are and if the table brings any information



- **ACTIONS (DL 30.10.) PSS leads specify level of this challenge in their PSS [0:absence, 1:low, 2:medium 3:high]..**
- **ACTION (DL 30.10.) PSS leads, modify the text for regional challenges as needed**

4.4. Contribute to text in 3.6 Common societal and economic impacts

- No action yet, the content of 3.6 needs to be first clarified with T.4.2.team. Instructions about the exact content of this section will be given later

4.5. Contribute to analyzing 3.7. Key regional actors and user communities

It was discussed if the proposed methods collecting information are optimal. decided to "try and see"

- **ACTION (DL 30.10.) Agreed to fill up Table for Key regional actors, PSS leads provide input as needed with focus on PSS area**
- ACTION during meeting: Agree how to perform collection of Key regional user communities (suggestion given): -> Agreed: Use tables and figures from user analysis performed for ESFRI application, followed by free text highlighting key users..
- ACTION during meeting: Agree how to perform analysis for "Critical gaps in multidisciplinary data provision for user needs" (Suggestion given) -> agreed to do this as free text , discussed in next PSS lead meeting and edited later

4.6. How to complete MS17 **Analysis of regional actors and critical gaps in multidisciplinary data provision for user needs per PSS**

- ACTION during meeting: Agree if elements from 3.2 (Table region specific competences) and 3.7 are enough for this. -> Agreed, WP leads will formulate MS report after section 3 is complete enough

5. Discuss the draft PSS implementation plan (D4.1-section 4) [30 min, Jukka & Costas]

https://docs.google.com/document/d/1JJ9rN5bsqmy_kftgsPs2jTAmH8D661rv/edit

- ACTION for the meeting : We go through the template in detail, comments & criticism welcome
- PROCESS:
 - After PSS lead comments, the PSS implementation plan is send to PSS partners. Go ahead obtained during the meeting
 - **ACTION (19.10): WP Leads send implementation plan to all PSS partners**
 - **ACTION: PSS Leads are expected to delegate the work in their PSS as needed.**
 - **Meeting(s) with all partners to clarify the process take place 23/26.10.**
 - **DL for the first draft of Implementation plan mid November (10.11.)**
 - **PSS Leads meeting mid November (after first draft)**
 - **DL for final version of Implementation plan end November**
 - **Meeting with WP1,2,3 end November**

6. Links to other WPs [30 min, Jukka & Costas]



A lot of collaborations already wanted ...

- WP1 for science strategies
- WP2 for RI etc links
- WP3 for PSS-IRS exchanges
- WP7 demo sites for sensor packages
- WP7 demo sites for e-infrastructure [NW MED, Baltic] - we need to provide a table for data availability for D2PTS, have T7.5 in one of PSS meetings
- WP5 /WP 6 data management plan per PSS / how PSS noted in overall DMP
- WP6 any citizen science items in PSS? Indicate in your Implementation plan, then we contact WP6 altogether.
- WP10 communication plan (after implementation plan ready)

ACTIONS: WP leads invite W1/7 for next PSS lead meeting to present their collaborative schemes

ACTION: WP leads organise meeting with WP1/2/3/4 leads, tentatively end of Nov.

ACTION: WP leads improve discussions with WP5/6/7 Leads or relevant task leads

ACTION: WP10 is contacted once Implementation draft is ready for review.

7. AOB [5 min]

- PSS meeting documents available in google docs.
 - PSS Leads please keep and upload minutes of meetings with PPS partners

https://drive.google.com/drive/folders/1EaBwC_P5pkDGVhca8AVbtf_Q7X9Zb8Qa

NEXT MEETINGS and review of timetable

Next meeting with all PSS partners for practicalities in filling the Implementation Plan: suggestion to be divided into two similar meetings to allow (almost) everyone to participate,

- e.g. Fri 23.10. 13:00-15:00 CEST & Mon 26.10. 9:00-11:00 CEST
<https://doodle.com/poll/fg2493n9rpmpx6vu>

- Next PSS lead meeting finalising D4.1 (mid November, after first draft is available 10.11.), and to invite some other WPs for links
- T4.2. meeting early Nov, with follow up meetings as needed
- Mid November DL for the first draft of Implementation plan
- Mid November (after first draft) PSS Leads meeting
- End November DL for final version of Implementation plan
- End November Meeting with WP1,2,3
- D4.1. ready beginning of December

7. *Annex 2: Meeting agenda and notes for meetings 2A and 2B*

All PSS Partners - meetings

Meeting A. Fri 23.10. 13:00-15:00 CEST / 14:00-16:00 EEST

Join Zoom Meeting

<https://zoom.us/j/99864053300?pwd=cHM0MHFMWTErTDVpZzUvbXRiaTVlZz09>

Meeting ID: 998 6405 3300



Passcode: 875971

Meeting B. Mon 26.10. 9:00-11:00 CEST / 10:00-12:00 EEST

Join Zoom Meeting

<https://zoom.us/j/96151942658?pwd=aDRTWmNQTNVZeGtIMFhWSEnvRW4xZz09>

Meeting ID: 961 5194 2658

Passcode: 875971

In the case Zoom is not working, https://meet.jit.si/JERICO-S3_WP4

PARTICIPANTS (PLEASE INSERT YOUR NAME!)

Site/region	Institute	Present in meeting A	Present in meeting B
GoF-PSS	SYKE	Jukka Seppälä Sebastian Ehrhart	Jukka Seppälä
GoF-PSS	FMI		Milla Johansson
GoF-PSS	IOW		Gregor Rehder
GoF-PSS	TALTECH	Taavi Liblik; Urmas Lips	
NW-MED-PS S	CNRS	François Bourrin	Behzad Mostajir, Laurent Coppola
NW-MED-PS S	CNR-ISMA R		Maristella Berta, Annalisa Griffa
NW-MED-PS S	PdE		Begoña Pérez-Gómez Marta de Alfonso
NW-MED-PS S	SOCIB	John Allen, Baptiste Mourre	Melanie Juza, John Allen
NW-MED-PS S	UPC	Joaquin del Rio	Joaquin del Rio
NSea-PSS	HZG	Holger Brix, David Kaiser	Klas Möller, Saskia Rühl
NSea-PSS	AWI		
NSea-PSS	DELTA RES		Anouk Blauw, Thijs van Kessel
NSea-PSS	IMR	Henning Wehde	
NSea-PSS	NIVA	Sabine Marty	
Channel-PSS	IFREMER	Alain Lefebvre	
Channel-PSS	CEFAS		Veronique Creach/Naomi Greenwood
Channel-PSS	CNRS	Felipe Artigas	Felipe Artigas



Channel-PSS	RBINS		
Channel-PSS	RWS		Kees Borst
Channel-PSS	VLIZ		Anaïs Aubert
Cretan-PSS	HCMR	Costas Frangoulis / George Petihakis	Costas Frangoulis
Cretan-PSS	CNRS		
Cretan-PSS	SYKE	Jukka Seppälä	Jukka Seppälä
Cretan-PSS	NIVA	Sabine Marty	
OTHER WPs		Anna Rubio(AZTI, from WP1)	Anna Rubio(AZTI, from WP1)
Coordination			

Agenda

1. Tour de table [note who are present per PSS partner]

2. Introduction to the meeting, D4.1 [Jukka]

- Work structure
- Timeline

<https://drive.google.com/file/d/1UM97mJQaD8BRHBp5q-IsW8U8DSJoqAcT/view?usp=sharing>

3. Implementation plan, practicalities [Jukka, Costas, All]

- overall questions for the process or document
- details, what is needed and why

https://drive.google.com/file/d/1JJ9rN5bsqmy_kftgsPs2jTAmH8D661rv/view?usp=sharing

4. Work space issues

WP4 documentation found at

https://drive.google.com/drive/folders/1EaBwC_P5pkDGVhca8AVbtf_Q7X9Zb8Qa

5. AOB

8. Annex 3: Meeting agenda and notes for meetings 3

PSS Lead - meeting

Mon 30.11. 2020 10:00-12:00 CET / 11:00-13:00 EET



Participants :

GoF –PSS: Jukka Seppälä, ~~Timo Tamminen~~

NW-MED PSS: ~~Laurent Coppola~~, Francois Bourrin

NSEA and CHANNEL PSS: Holger Brix, Anouk Blauw, Alain Lefebvre, ~~Romarie Verney~~,
Klas Möller

CRETAN PSS :Costas Frangoulis, George Petihakis

T4.2 Team: Emma Reyes, Melanie Juza, Nikolaos Zarokanellos, ~~John Allen~~

Coordination: Ingrid Puillat

WP1-3: Martin Pfannkuchen

Agenda

1. Feedback for implementation plan from PSSs, short roundtable by PSS leads
2. Solving issues for document coherence and to secure synergies. To be detailed prior the meeting.
3. Other issues specifically requiring a joint attention of PSS leads: T4.2. team, other WPs and coordination, please provide your list of items to be discussed with PSS leads prior the meeting and we see if we can allocate time on those.

MEMO

1. Roundtable
 - GoF-PSS still need to fill 2 topics
 - NW-MED-PSS: groups is working well
 - NS-PSS: finetuning to be done
 - EC-PSS:work ongoing
 - Cretan-PSS:mostly done
0. Issues to solve / agree
 - a. naming of PSS topic?
 - >PSS-action
 - > xyz-PSS #1-#10
 - > follow the original order as in DoA, indicate if you have pooled Actions together
 - b. lead of each action?
 - > one leader per action / two leads if needed
 - > Check the balance of leadership
 - c. Links to other WPs / tasks
 - describe the within J-S3 links as free text, later also a table formed out of these.
0. Going through the implementation plan and identifying key points for comments and discussions.
0. timetable:
 - Implementation plan "final version" ready by Fri 4.12.2020
 - Complete the D4.1 section 3 asap.
 - ARW timetable to be filled for PSS workshop



No next meeting agreed, communications need-to-communicate basis

9. *Annex 4: Meeting agenda and notes for meetings 4*

1. Overall status and timeline of deliverables.
2. Linking deliverables
3. MS18 Joint WP1, WP3 & WP 4 workshop to draft D4.1

Materials

D4.1: First part:

<https://docs.google.com/document/d/1BRgcZ-6CgsPBGQW-aetRUiENBB6U5hzW/edit>

D4.1. Second part - implementation plan

https://docs.google.com/document/d/1JJ9rN5bsqmy_kftgsPs2jTAmH8D661rv/edit#

D3.1

<https://docs.google.com/document/d/1ODPXJ-GvScl9hz7Oq-0ImBDrVoxYn4dhOHV7QeOefZQ/edit>

D1.1

<https://docs.google.com/document/d/1R2OtYUuzF699sanNu-BmUzJ08B7BMRHyShmqVi56ldE/edit>

Memo

1. Overall status and timeline of deliverables.

D1.1 First version february 2021

D3.1 All information is gathered. Formatting done this week, release next week likely..

D4.1: Work ongoing, Implementation part with 6-10 Actions per PSS almost finished. Introductory part delayed. Some partners ask for delaying their content until 19th Dec.

0. Linking deliverables
Identification of links, by going through the TOC for each deliverable:

D4.1.

reduce parts 2.1.-2.3. but make introduction to Supersites and pilotsupersites as needed to understand the remaining part of the document.

Part3. KSC table need to described in detail in D1.1., but also presented in D4.1 and 3.1. and very briefly used to describe KSC of JERICO-RI.

pool linkages from PSS Actions, identify what is needed to feed Wp2

Issues D4.1 - D1.1

- Key common scientific questions within JERICO-S3

Issues D4.1 - D3.1



Issues D3.1 - D1.1

0. MS18 Joint WP1, WP3 & WP 4 workshop to draft D4.1
 - WP1 & WP3 has been actively participated in WP4 development by participation to meetings
 - This meeting as the final opportunity to assist drafting D4.1, MS will be closed after this one. OK? But we of course continue the dialogue....

10. Annex 5: Table of contents of Deliverable 4.1

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2. INTRODUCTION
 - 2.1. Supersite concept in Environmental RIs
 - 2.2. Concept of JERICO Supersite
 - 2.3. Overall objectives of JERICO Pilot Supersites
3. SCIENCE STRATEGY FOR PILOT SUPERSITE IMPLEMENTATION
 - 3.1. Key common scientific questions within JERICO-S3
 - 3.2. JERICO-S3 Pilot Supersite regions
 - 3.3. Common and region-specific scientific research topics for PSSs
 - 3.4 Common and region-specific organizational challenges for PSSs
 - 3.4. Links to other RIs and overall user communities
 - 3.5. Common societal and economic impacts
 - 3.6. Key regional actors and user communities
 - 3.7. Critical gaps in multidisciplinary data provision for user needs
4. IMPLEMENTATION STRATEGIES FOR PILOT SUPERSITES
 - 4.1. Implementation strategies: Gulf of Finland Pilot Supersite
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 - 4.3. Implementation strategies: North Sea and English Channel Pilot Supersite
 - 4.4. Implementation strategies: Cretan Sea Pilot Supersite
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