

## MILESTONE N°23

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**PROJECT ACRONYME :** JERICO-S3

**PROJECT NAME :** Joint European Research Infrastructure for Coastal Observatories - Science, services, sustainability

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**MILESTONE NAME:** Presentation of PSS progress at ARW#4

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Involved Institution: SYKE, HCMR, all WP4 partners, all WP lead partners

Date: 28.4.2023



→ 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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<b><u>JERICO-S3 MILESTONE</u></b> Joint European Research Infrastructure network for Coastal Observatory <b>Science, Services, Sustainability</b>	
Milestones title	Presentation of PSS progress at ARW#4
Work Package Title	WP4
Milestones number	MS23
Description	<p>Workshop provides a report of JERICO-S3 Pilot Supersite (PSS) implementation during 2021-22. Key messages and achievements of various PSS Actions are provided. Each PSS provides its contribution to future JERICO-RI, Supersites and integration. They continue in identifying main gaps, challenges and lessons learned during the PSS period.</p> <p>State-of-the art of PSS synthesis is provided with elements for other JERICO-S3 WPs, JERICO-DS, JERICO ESFRI application and for overall future JERICO-RI. Items to be reviewed include regional integration, pan-European integration, thematic integration, RI-RI collaboration, Data flows, Data compilations, Harmonisation, Best Practices, Emerging Technologies, Science stories, Dissemination.</p>
Lead beneficiary	SYKE
Lead Authors	Jukka Seppälä (SYKE), Costas Frangoulis (HCMR)
Contributors	All WP4 partners, All WP leads
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<b>Diffusion list</b>				
Consortium beneficiaries	X			
Third parties				
Associated Partners				
other				

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# JERICO-S3 WP4 REGIONS WORKSHOP: PSS Status update

19/04/2023 Rovinj

## **1. Scope of the workshop:**

Workshop provides a report of JERICO-S3 Pilot Supersite (PSS) implementation during 2021-22. Key messages and achievements of various PSS Actions are provided. Each PSS provides its contribution to future JERICO-RI, Supersites and integration. They continue in identifying main gaps, challenges and lessons learned during the PSS period.

State-of-the art of PSS synthesis is provided with elements for other JERICO-S3 WPs, JERICO-DS, JERICO ESFRI application and for overall future JERICO-RI. Items to be reviewed include regional integration, pan-European integration, thematic integration, RI-RI collaboration, Data flows, Data compilations, Harmonisation, Best Practices, Emerging Technologies, Science stories, Dissemination.

## **2. Expected outcomes:**

- Provide status of WP4 work done and ahead
- Discuss the links of WP4 work with other WPs and JERICO-DS



- Get feedback from community, how PSSs could contribute to the work of other WPs, what are the key topics to be highlighted from PSSs (towards ESFRI documentation) get suggestions for PSS dissemination and to receive other feedback

### 3. Targeted audience:

Whole JERICO-S3 and JERICO-DS community

### 4. Agenda

#	Description	Leading person	Link
1. 5'	Update of the WP4 time schedule	Jukka	<a href="#">Presentation</a>
2. 4x 7'	Report of the implementation phase - PSS Actions	PSS Leads	idem
3. 5'	State-of-the-art of PSS synthesis	Jukka	idem
4. 7'	Immediate comments/discussion and filling out the questionnaire	All	

### 5. Type of organisation:

Type of session: Plenary session (P)

Main reference persons: (Organisers/leaders)

Jukka Seppälä (SYKE), Costas Frangoulis (HCMR)

### 6. Attendees

<https://docs.google.com/spreadsheets/d/1CI9frIDJMET1KQLK1z30mA36BV9MY70BL-j0VpYYz0/edit#gid=2038319511>

### 7. Slides presented during the meeting

[Presentation](#)

### 8. Discussion

Patrick : many questions, I give a selection for future use.



Comment: a lot of work to answer all questions. Needed to have a dedicated WS to answer all this. Important regional vision vs national vision. Problem that national vision changes. I can give something as vision to EU. But difficult to give to national, regional vision. E.g in the Mediterranean which is closed (with differences in east and west). The future should focus on the regional view

Question. Can a PSS become a SS. The answer is in the question. If proof of concept is good we can pass to supersite. Will IRS become PSS ? Difficult to answer. In some case the answer will be no.

What is the future IRS?

Question. As we plan to have future operational supersite, what is the link with today? We have today ROOSes. What is the place of this supersite regarding the ROOSes? Some PSS are already working in ROOSes

**Jukka:**

For panEuropean view, we need examples like carbonate system. For these examples we need harmonized data, to which Jerico contribute. For some variables, like phytoplankton, regions are different so more difficult to harmonized

The question from PSS to SS, is "should we start planning SS?"

PSS/IRS are different concepts. They are just not different regional structures which exclude each other. We have selected in JERICO-S3, to share the work, that some regions contribute with IRS, some regions contribute with PSS. IRS looks at strategy.

PSS looks at practical ways to organize observations using highly instrumented sites, their obstacles and tools. One possible way forward is to make many PSS as nations can afford. Thus, some seas can make many. Some other seas may lack such observing which could be complemented by modelling

Some PSSs (GoF, CS) did not including the entire region. Others larger PSS, being then in practice between PSS and IRS. We should study these regions to answer what should be the structure of SS.

We have a lot of observations regionally which are important using only few variables, which can answer questions (e.g. sea level), and they do not need to be organized as SS.

What we learned, what best to integrate? Is it manageable? Can we run it to the future?

**Patrick**

Question for each PSS to answer if they can become SS

**Jukka**

Yes, need some criteria for that

**Richard Dewey**

Supersites may sound like aggressive term

**Dominique**

Looking at history of Jerico community, not only observing but also experimenting, we have done a good job.

Need to find implementation for future, and structure.

The key for the future is the region and not the supersite.

For a permanent structure region is more sustainable

**Jukka**

PSS looks to benefit of aggregation of platforms in a certain place

**Martin**

PSS integrating tools

IRS how to foster regional



**Jukka**

The names of observing systems (SS) are not important  
Important the jerico entity, how we are looked from other partners,

**Helene**

Regions need to have multinational collaboration  
What is what we want from the nations that are important for the regions

**Bezhad**

For future. Each nation does or will work with multiplatform. But connectivity between two areas, two basins is missing. Maybe some cruise at a specific period to satisfy connectivity which is more important for biological variables.

**Jukka**

Good comment  
Opportunity already given for that via twin PSS site, which gave lessons to that

**She**

Connection in basin scale. Offer research and management.  
Not possible to cover everywhere, jerico gives tools, and should use more the modelling tools. On demand modelling tools, on demand infrastructure.  
In this way you address the regional connectivity. Important for Baltic, Mediterranean Seas