

MILESTONE N°22

GRANT N°: 871153

PROJECT ACRONYME : JERICO-S3

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

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MILESTONE NAME: End of PSS observations

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→ **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,...)
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Document description

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<u>JERICO-S3 MILESTONE</u> Joint European Research Infrastructure network for Coastal Observatory Science, Services, Sustainability	
Milestones title	End of PSS observations
Work Package Title	WP4
Milestones number	MS22
Description	JERICO-S3 Pilot Supersite (PSS) implementation started in the beginning of 2021 supported by detailed planning of each action. PSS implementation has addressed the key regional research questions, including sampling strategy, PSS integration strategy, best practices used, identification of data flows, QC routines and products, dissemination plan, and links to other regional observatories, PSSs and RIs. PSS observations, lasting almost 2 calendar years, have been finalised by the end of November 2022, after which the reporting of PSS activities is started.
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1. Objectives

The implementation of JERICO-RI Pilot Supersites included a list of Actions for each PSS. Originally the implementation phase was planned for 2 years, but the start is slightly delayed due to covid-19 (see MS19). Subsequently the end of PSS observations was also delayed, allowing to make observations still in the autumn 2023. The PSS observation period lasted from January 2021 to November 2023 (23 months).

Each Action had its own objectives. The partnership and observation platform used were defined, including also other data sources and external partners when necessary. Details of the Action provided an outlook how it improves the regional and pan-European integration of observations and how the topic of Action is approached.

Assessment, reporting and refinement of PSS implementation was done after 1 year of implementation as reported in D4.2. and D4.3. The second year of implementation followed the modified workplan given in D4.3.

2. Implementation process

As given in D4.1 and refined in D4.3, each PSS includes several JERICO-RI partners, contributing to the operational observations. For each PSS and for each Action, one partner has been nominated for coordination, being the main contact point and leading the reporting actions. PSS and Action leads were in charge of providing the required information for the Actions.

The implementation period was supported by hierarchical structures and related meetings and workshops, at the level of various Actions, within each PSS, between PSSs, and included workshops for certain thematics (like carbonate system) and between PSSs-IRs. PSS developments have been reported to JERICO-S3 community as noted in MS20 and MS 21.

Most of the Actions included collection of new data, and the related best practices, data flows and QC actions have been described. Key results will be reported in D4.4 including links to main users and collaborators.

D4.4. "Assessment of PSS implementation" is currently in the drafting phase and has a following tentative contents:

1. EXECUTIVE SUMMARY

2. INTRODUCTION

2.1 Background for Deliverable D4.4

2.2. On the structure of D4.4

3. PILOT SUPERSITE ACTIVITY REPORTS

Short report per Action, including

- Key Message from the Action
- Main achievements
 - Report of scientific advances
 - Dissemination
 - Best practices developed and used
 - Data flows created
 - Data QC routines created
 - Data management issues faced and solved
 - Innovations and products created

4. SUMMARY OF PILOT SUPERSITE ACTIVITIES

4.1. Overall description of PSS activities, focusing on between WP work and joint activities.

4.2. Synthesis of PSS implementation per PSS, reporting especially regional and pan-European integration and lessons learned

4.3. Topical synthesis of PSS

4.4. Overall analysis of the progress in the integration within PSSs including self-analysis

5. OUTLOOK FOR JERICO-RI SUPERSITES

Evaluation and messages for JERICO-RI future development

6. REFERENCES

3. Next steps (work plan)

The next steps of PSS work include following topics

D4.4: Assessment of PSS implementation [M38]

Assessment of PSS implementation and outlook on JERICO-RI Supersites. Synthesis of PSS implementation, analysing the progress in the integration, innovation, and delivery of data and products. Report on institutional and scientific advances. Self-evaluation of PSS success, feeding to WP1 and WP9 in making JERICO-RI scientific strategy.

MS23 Presentation of PSS progress at ARW#4 [M37, but slightly delayed]

MS24 Presentation of PSS final results at ARW#5 [M48]

As well, WP4 will contribute to other JERICO-S3 WPs based on their needs and requests, as well as contribute to the needs of JERICO-DS and JERICO ESFRI roadmap proposal. Dissemination on PSS activities will be jointly planned, including joint publications and conference presentations.