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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-s3@ifremer.fr

<b>JERICO-S3 MILESTONE</b>	
Joint European Research Infrastructure network for Coastal Observatory Science, Services, Sustainability	
<b>MS#, WP# and full title</b>	<b>JERICO-S3 MS27</b> - WP5 Subtask 5.4.3 “Readiness Level of each technology”
<b>5 Key words</b>	Best practices, Harmonisation, Observing platforms
<b>Lead beneficiary</b>	CNR
<b>Lead Author</b>	Carlo Mantovani
<b>Co-authors</b>	Julien Mader, Annalisa Griffa
<b>Contributors</b>	
<b>Submission date</b>	09/09/2021

→ Please specify the type of milestone:

- Report after a workshop or a meeting (TEMPLATE A) ⇒ JERICO-Week#2, April 19-23 2021**
- Report after a specific action (TEMPLATE B) (test, diagnostic, implementation,...)
- Document (TEMPLATE B) (guidelines,...)
- Other (TEMPLATE B) (to specify) .....

Diffusion list			
Consortium beneficiaries	Third parties	Associated Partners	other
<b>X</b>			

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# ARW SESSION 3 - **PART 1**

## **Harmonisation for mature coastal observing platforms**

*Thursday 22 April 2021 / 14:00 - 15:30*

### **Scope of the session:**

The aim of this session is to present and discuss the ongoing work on harmonising the implementation of Best Practices for the mature observing platforms of JERICO-RI. 4 main infrastructures are considered: HF Radars, Gliders, Ferrybox and Fixed platforms. The Readiness Levels of each platform and the ongoing work for achieving an harmonised electronic handbook is presented for involving key experts of the PSS/IRS in the different Steering Teams.

### **Expected outcomes:**

1. Sharing of the Readiness Levels established for the Pan-European Coordination of Observational Elements.
2. Involvement of PSS/IRS in the ongoing work on providing an harmonized electronic handbook

The outcomes will be to ensure the involvement of PSS/IRS in the harmonisation process of Task T5.2.1 which will bring to the electronic handbook planned for March 2022. The main coordination process is organized through different Steering Teams gathering experts on operating the different platforms of the JERICO coastal infrastructure. However, within Task T5.4.3 dealing with the management of the harmonisation, a wider interaction through experts from the different PSS/IRS is planned. This milestone is a first step for disseminating the harmonisation process that will bring to the establishment of a dashboard where regional specificities will be monitored (MS28).

#### **Targeted audience:**

JERICO-S3 partners: Scientists and Engineers operating mature observing platforms in the different IRS-PSS.

#### **Type of organisation : Working group session (plenary)**

After the presentation of the main objectives of the session and the work on common operational procedures and best practices for mature coastal observing platforms, a first open discussion was launched for receiving feedback from key experts of the PSS/IRS. Then, specific work will be performed about the current implementation of biological (plankton) observation in automated platforms (refer to MS 25 “State of the art capturing and analysing gaps in BP’s for implementing and operating biological data acquisition in coastal observatories”).

#### **Main reference persons: (Organisers/leaders)**

Julien Mader (AZTI) – Carlo Mantovani (CNR)

#### **WHAT IS EXPECTED FROM REGIONS (PSS and IRS) ?**

After presentations of the work in progress from T5.2.1, a feedback from the different PSS/IRS is expected for organizing their contribution and the future monitoring of the implementation of agreed Best Practices with the JERICO network.

## NOTES and MINUTES

A slideshow prepared by Carlo Mantovani (T5.2 leader) and Julien Mader (WP5 leader) introduced the “readiness levels” on harmonisation of Operations and Data management defined and shared by WP5-WP6 (Fig. 1), and the ongoing work for achieving harmonized Best Practices certified by the Ocean Best Practices System. The outcome of the work performed by the 4 Steering Teams focused on each mature platform (HF radar, Glider, Ferrybox and fixed platform) should be completed and reviewed by other experts from the PSS/IRS to achieve the maximum consensus.

		Pan-European Coordination of Observational Elements	Data Management & Information products
<b>Mature</b>	Level 9	Periodic review	Information products routinely available
	Level 8	Regional implementation of the Best Practices	Data availability globally available
	Level 7	Best Practices Peer Review certified	Validation of Data Policy
<b>Pilot</b>	Level 6	Procedures are documented Maintenance plan	Demonstrator of data flow following the agreed practices
	Level 5	A network is in place	How to store the data is defined (archival plan)
	Level 4	Pilot platforms/sensors are in operations	Agree to Management Practices (QC, QA, Calibration, Provenance)
<b>Concept</b>	Level 3	A prototype validated on the field	First data sets are produced from the field and fitting the data model
	Level 2	Feasibility test done / preliminar design done	Expert interaction and interoperability check of the data model
	Level 1	System formulation (sensors, platforms, candidate technologies, innovative approaches)	Specification on internal data model taking into account existing standards

Figure 1. Readiness levels on harmonisation of Operations and Data management

The workplan is presented and discussed for including the interaction with the regions before delivering D5.2 (March 2022). The contact points of each Steering Groups are provided. It will also be the basis for the future regional assessment needed for monitoring the implementation of the Best Practices within the different PSS/IRS.

















































The involvement of the EuroGOOS Task Teams is suggested for reviewing the harmonised electronic handbook, in particular the recently renewed Fixed Platform and Glider Task Teams (EuroGOOS Ferrybox and HF Radar Task Teams are already well represented in the JERICO-S3 Steering Teams).

The need for a stronger coordination with WP6, developing Best Practices on data management, is expressed. Joint meeting will be planned regularly and common strategies for harmonization will be adopted when possible.

The operation of the future dashboard and the interaction with the regional experts for updating the level of implementation of Best Practices should be discussed with the JERICO e-infrastructure (WP7).

**The Workshop ended on the need to improve the regional representativeness within the Steering Teams. PSS/IRS leaders will be used to forward the D5.2 draft to key operators. To complement experts from the JERICO-S3 consortium, the EuroGOOS Task Teams will be also involved. Finally, the regional implementation of the Best Practices and its monitoring will be discussed in further ARWs in 2022.**

## Attendees (49) → Taken at 14:30, session started at 14:00

- |  |  |  |
|--|--|--|
|  Léa G. (Co-host, me)                   |  |  |
|  Laurent D (JERICO Coo... (Host, Guest) |  Lennert Schepers (VLIZ) (Guest)        |  Fabrice LIZON (Guest)              |
|  felipe artigas (Co-host, Guest)        |  Leonidas Perivoliotis (HCMR) (Guest)   |  Gerald GREGORI (Guest)             |
|  ingrid P (Co-host)                     |  Lisette Enserink (Guest)               |  Gisbert Breitbach (Hereon) (Guest) |
|  Patricia Cabrera (Co-host, Guest)      |  Lumi (Guest)                           |  Henning Wehde (Guest)              |
|  veronique Creach (Co-host, Guest)      |  Marc Nogueras (UPC) (Guest)            |  iansalter (Guest)                  |
|  alain lefebvre (Guest)                 |  Martin Pfannkuchen (Guest)             |  Inga Lips (EuroGOOS) (Guest)       |
|  Andres Cianca (PLOCAN) (Guest)         |  Martti Honkanen (Guest)                |  Isabelle Rombouts (Guest)          |
|  annalisa (Guest)                       |  Miguel Charcos (SOCIB) (Guest)         |  JAllen (Guest)                     |
|  Carlo Mantovani (CNR) (Guest)          |  Milla Johansson (Guest)               |  Joao Vitorino (Guest)             |
|  Carolina Cantoni (CNR) (Guest)       |  Nikolaos Zarokanellos (Guest)        |  Jukka Seppälä (Guest)            |
|  Catherine Boccadoro (Guest)          |  Pirjo Kuuppo SYKE (Guest)            |  Julien Mader (AZTI) (Guest)      |
|  Costas Frangoulis (Guest)            |  Saskia Rühl (Guest)                  |  Kate Collingridge (Guest)        |
|  Eva Alou (SOCIB) (Guest)             |  sebastian ehrhart [syke] (Guest)     |  Kate Collingridge (Guest)        |
|  fabien lombard (Guest)               |  thyssen (Guest)                      |  Kees Borst (RWS-NL) (Guest)      |
|  Fabio Brunetti (Guest)               |  Timo Tamminen, SYKE, Finland (Guest) |  Klas Ove Möller (Guest)          |
|  WEI (Guest)                          |  |  |
|  Zéline Hubert (Guest)                |  |  |