



# WP4

## *HARMONIZING OPERATION AND MAINTENANCE METHODS*

# TASK 4.1 CALIBRATION

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*Task Resp. HZG, Sub-Task Resp. OGS, SMHI, HZG*

## *Objectives:*

1. Harmonization of calibration practices through documentation and assessment of existing calibration methodologies
2. Sharing of calibration facilities
3. Best practices, dissemination of know-how

# Task 4.1 Calibration



## ***1. Harmonization of calibration practices through documentation and assessment of existing calibration methodologies***

- ✧ Questionnaire to collect all information available within JERICO, → assessment  
→ **Report on Existing Facilities (M18 – HZG).**

## ***2. Sharing of calibration facilities***

- ✧ A common workshop in SYKE was organised on the 9<sup>th</sup> of February for optical sensors.
- ✧ Another common workshop would be very beneficial

## ***3. Best practices, dissemination of know-how***

- ✧ Platform workshops and Questionnaires will contribute to define Best Practices
- ✧ Dissemination of know-how is achieved through common calibration workshops such as the one that took place in SYKE as well as during common WP3 & WP4 platform workshops

# TASK 4.2 BIOFOULING

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*Task Resp. CNR, Sub-Task Resp. HCMR, SYKE, CNR*

## *Objectives:*

1. To describe all different methods used across the network with reference to the cost (implementation, maintenance) and adaptability (different sensors and areas),
2. To share best practices and methodologies
3. To evaluate new methods used by the community external to JERICO

# Task 4.2 Biofouling

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***1. To describe all different methods used across the network with reference to the cost (implementation, maintenance) and adaptability (different sensors and areas)***

- ✧ Questionnaire to collect all information available within JERICO → which are the most reliable sensors → to describe and evaluate different methods

***2. To share best practices and methodologies***

- ✧ Platform workshops and Questionnaires will contribute to define Best Practices

***3. To evaluate new methods used by the community external to JERICO***

- ✧ This will be done mainly during Platform workshops and the upcoming Forum for Coastal Technology (FCT)

# TASK 4.3 END-TO-END QA

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*Resp. HCMR, Sub-Task Resp. PUERTOS, NOCS, CSIC, CEFAS*

## *Objectives:*

1. to describe best practices in all phases of the system (pre-deployment test, maintenance, calibration etc)
2. to adopt common methodologies and protocols
3. move towards the harmonisation of equipment which will help in reducing maintenance and calibration costs. For this inter calibration tests and in-situ validation will be organised.

# Task 4.3 End-to-end QA



***1. To describe best practices in all phases of the system (pre-deployment test, maintenance, calibration etc)***

- ✧ best practices are discussed during the workshops. If necessary a questionnaire will be also prepared.

***2. To adopt common methodologies and protocols***

- ✧ These are discussed during the workshops

***3. Move towards the harmonisation of equipment → reduce maintenance and calibration costs. For this inter calibration tests and in-situ validation will be organised***

- ✧ Partners have to discuss about this during this WS

***4. Running Costs***

- ✧ Aspreadsheet/questionnaire is under preparation. Partners will record expenses during 1 year so we will have a very good idea of how much we spend for each platform.

# DELIVERABLES & MILESTONE



**D4.1** Report on existing facilities with the capacity to handle pressure, temperature, salinity and dissolved oxygen calibrations amongst the active coastal observing networks **HZG** (M18)

**D4.2** Report on calibration best practices for the different Sensors **HZG** (M36)

**D4.3** Report on biofouling prevention methods **CNR** (M36)

**D4.4** Report on best practice in conducting operations and maintaining of different systems **HCMR** (M42)

**D4.5** Report on running costs of observing systems **CEFAS** (M42)

***MS15** Constitution of a permanent Working Group within JERICO for Calibration Activities **HCMR** (M30)*