Interreg Italy - Croatia EUROPEAN UNION

FROM SHARED RESOURCES TO JOINT SOLUTIONS

Report on design the optimal observing system for marine coastal environment characterization (WP 3.3)

Web-meeting| 14 April 2021

CASCADE| PP 4 | ARPA FVG

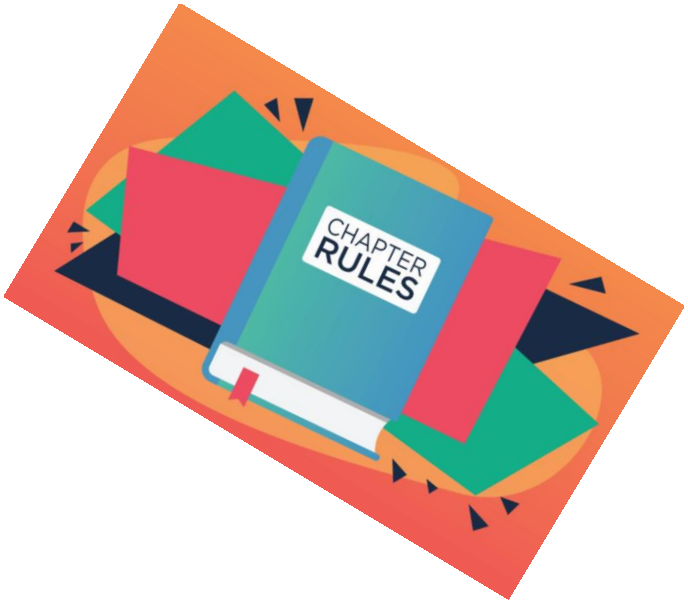
European Regional Development Fund

Work Package:	**3. Coastal Marine Environment characterization of (species and) ecosystems**
Activity:	**3.3 Design of the optimal observing systems for marine coastal environment characterization**
Phase Leader:	**ARPA FVG**
Deliverable:	**3.3.1 Report on design the optimal observing system for marine coastal environment characterization**

Objectives

- Make **contact** with other PPs' personnel involved;
- Explain what **contents** and information we expect to receive;
- Propose an **example** Word template and share it with all PPs;
- Set a **timeline** to deliver the document;
- Discuss with you about suggestions and minor changes and answer your **questions**.

Document's Structure & Contents



The document will be divided in **chapters**:

1. Introduction
2. Description of the Pilot Area
3. Targeted actions and final goals to achieve
4. Materials and Methods
5. Personnel and resources involved
6. Closing Remarks
7. References

Core Part of the document

Document's Structure & Contents

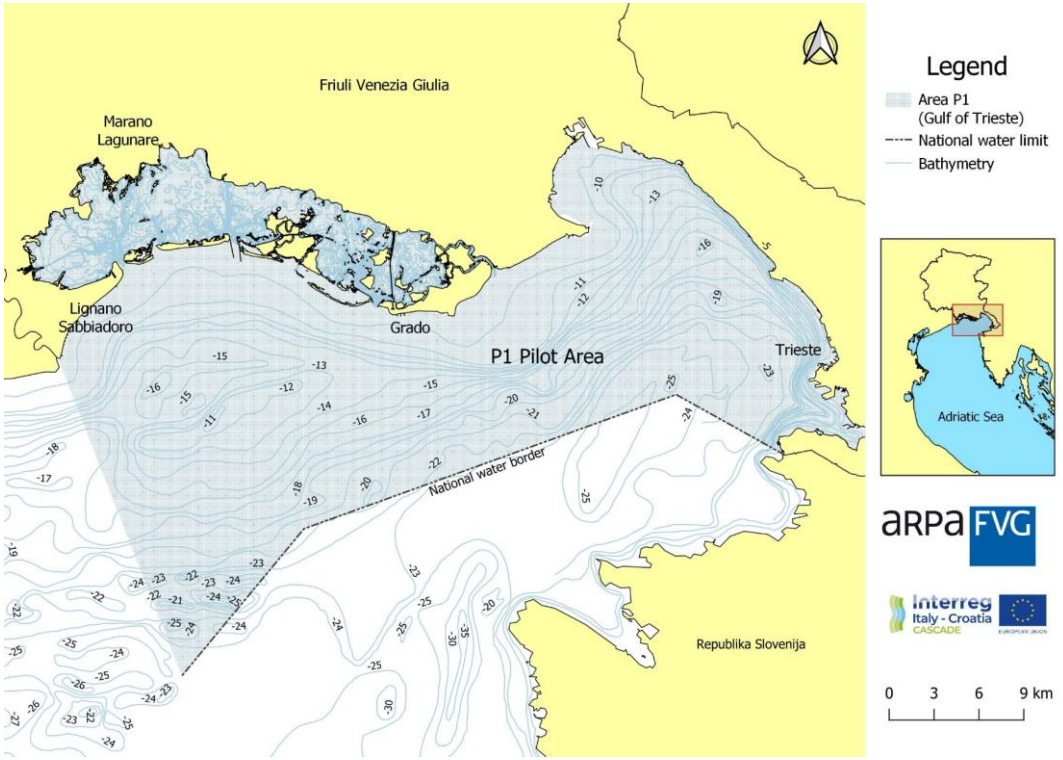
1. INTRODUCTION

General introduction also explaining the line of reasoning that brings you choosing a specific area and especially a specific observing system;

2. DESCRIPTION OF THE PILOT AREA

Brief description of the context where the observing system is going to be implemented:

- location of the area;
- basic characterization;
- pressures and other critical issues;
- …



Document's Structure & Contents

3. TARGET ACTION AND FINAL GOALS

Description of the main actions that will be implemented during the WP4 including the final products/system/results that will be pursued.

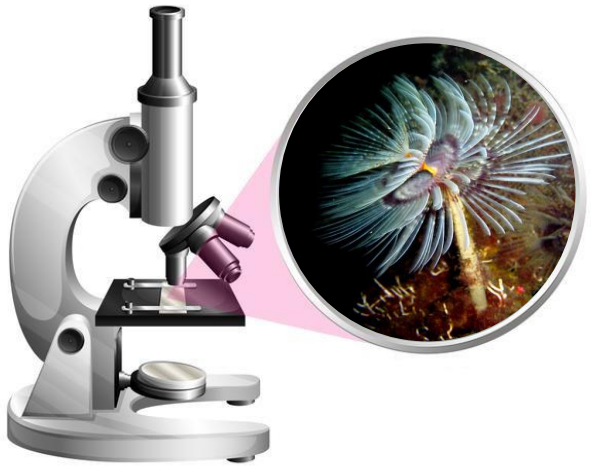
For ARPA FVG there are 2 goals:

- Macrozoobenthic rocky shallow communities → Conservation status
- Development of modelling tools → Physical and ecosystem observing system

Document's Structure & Contents

4. MATERIALS AND METHODS

This section gives a detailed account of the procedure that will be followed and a description of the instrument that will be used.



Where: sampling sites, notes about location

When: dates, day/night time, tides etc.

How: sampling method and analyses

- Experimental design
- Variables considered
- Data and samples acquisition
- Techniques, innovations etc.
- Samples processing
- Stats, numerical computations
- Softwares involved

Document's Structure & Contents

4. MATERIALS AND METHODS

Macrozoobenthos

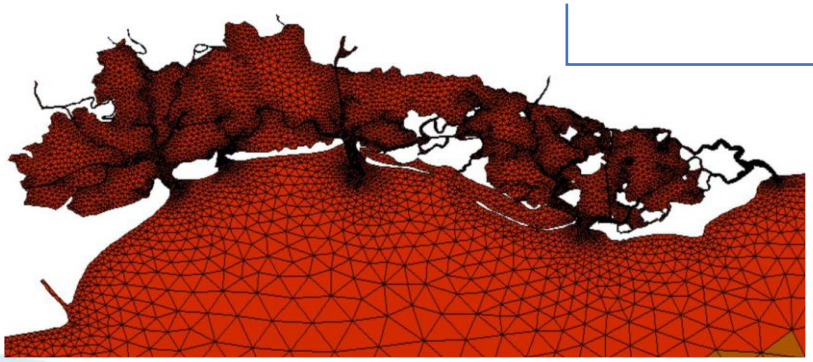
- April-September 2021
- 15 site, 135 samples
- Collection methods (vessels, sorbona, scrapes, photos and videos), species
- Preservation
- Sorting
- Identification
- Stats (n. species, Shannon, BIRS, PERMANOVA etc.)

Document's Structure & Contents

4. MATERIALS AND METHODS

Hydrodynamic model

- Services and tools: SHYFEM, COPERNICUS 2021
- Variables: boundary conditions, tidal data, water inflow time series etc.



- Placement of 3 multi-parameter probes
- Acquisition of hydrological and physic-chemical data in continuous

Comparison between model and actual measurements

Final model validation

Document's Structure & Contents

5. PERSONNEL AND RESOURCES INVOLVED

Brief description of the general work effort needed to bring on the activities described in the other chapters.

6. CLOSING REMARKS

A conclusion chapter with the final words to remember the main points that were discussed in the document.

7. BIBLIOGRAPHY

The list of the publications cited during the draft of the document.

Example document

We expect a document **10-20 pages** long, bibliography included.

Our own version and a empty template of the deliverable will be shared with partners by mail and by the official Google Drive repository of the CASCADE PROJECT:
Link:
https://drive.google.com/drive/u/1/folders/1DYpiJLRm73_Xb51Kx3qkHTmFxLzv-yFm

Delivery deadline

Official deadline for Deliverable 3.3.1 is the end of September 2021

We kindly ask you to deliver the document by the end of **August 2021** so we can carry out a review and join the works to send a coherent document to the LP.

CONTACT INFORMATION

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