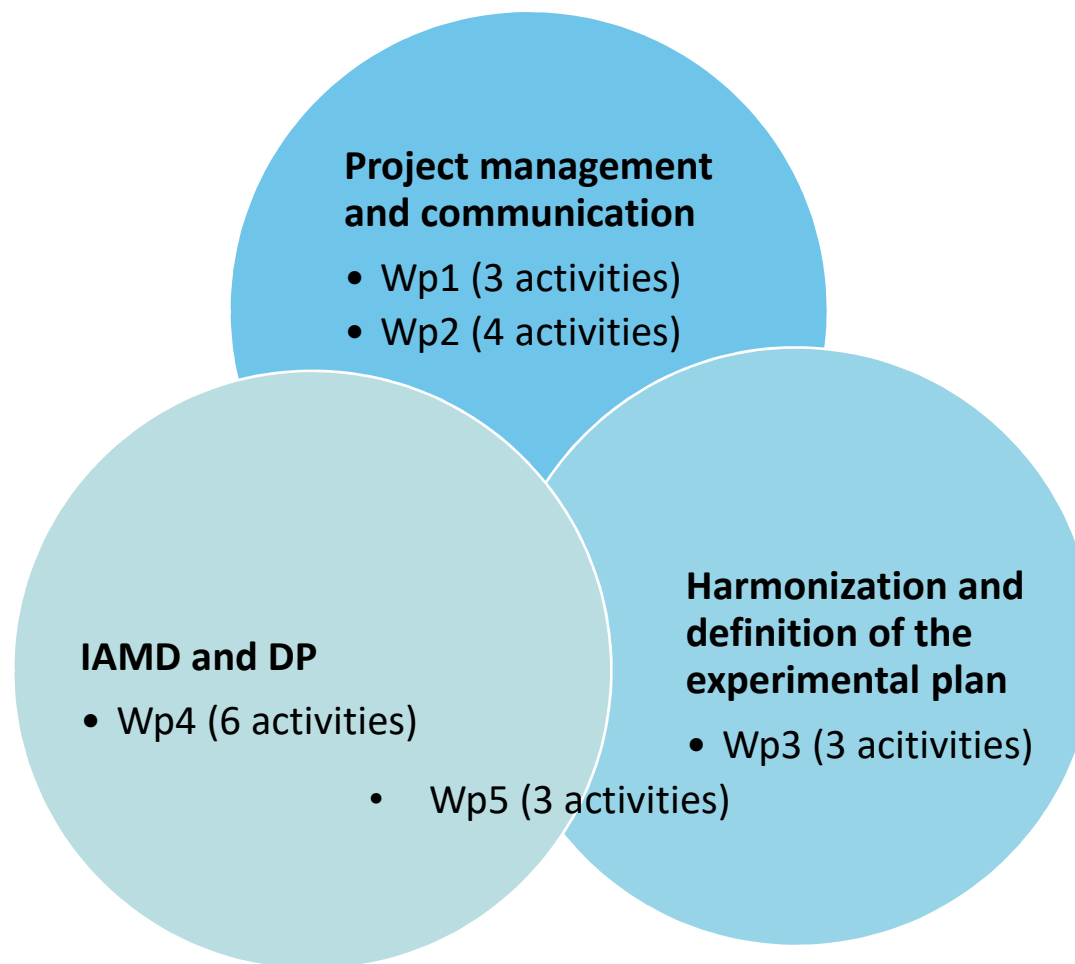


# Project presentation

AdSWiM | Di4A\_University of Udine | Sabina Susmel

Kick Off Meeting | Udine | 9th and 10th of April 2019

# AdSWiM\_structure



**Interreg**  
Italy - Croatia  
AdSWiM

European Regional Development Fund



EUROPEAN UNION

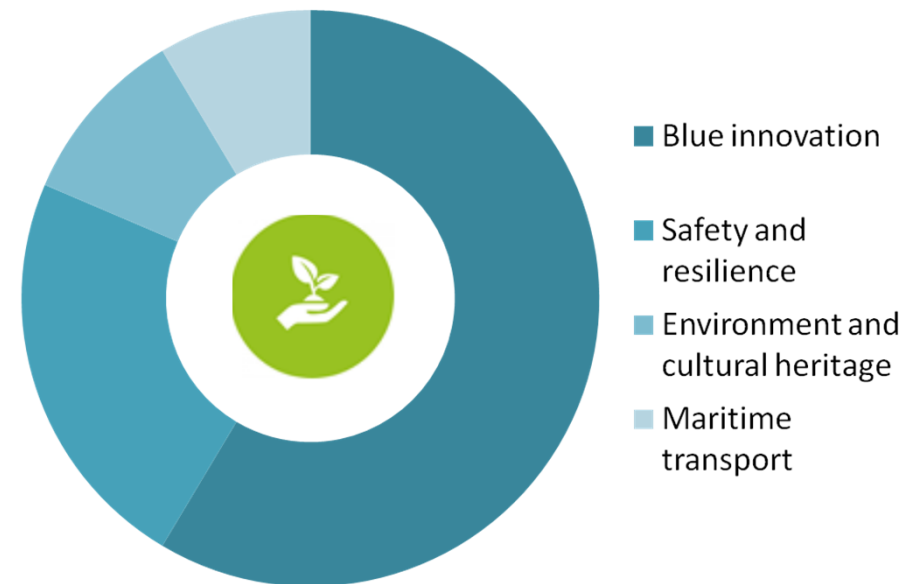


# Programme viz AdSWiM intervention logic

Italy-Croatia CBC Programme is organised in **4 thematic priorities**: increase the prosperity and the blue growth potential of the area by stimulating cross-border partnerships able to achieve tangible changes

«ENVIRONMENT AND CULTURAL HERITAGE»

PRIORITY AXIS 3



# Programme

## Specific objectives

### PRIORITY AXIS 3

**SO 3.1 Make natural and cultural heritage a leverage for sustainable and more balanced territorial development**

**SO 3.2 Contribute to protect and restore biodiversity**

**SO 3.3 Improve the environmental quality conditions of the sea and coastal area by use of sustainable and innovative technologies and approaches**



**Interreg**  
Italy - Croatia  
AdSWiM

European Regional Development Fund



EUROPEAN UNION



UNIVERSITÀ  
POLITECNICA  
DELLE MARCHE

ICODI  
CNR Istituto di Cristallografia



ZAVOD ZA JAVNO ZDRAVSTVO ZADAR



VODOVOD I  
KANALIZACIJA



UNIVERSITY OF SPLIT,  
FACULTY OF CIVIL ENGINEERING,  
ARCHITECTURE AND GEODESY

Specific objective 3.3 : Improve the environmental quality conditions of the sea and coastal area by use of sustainable and innovative technologies and approaches

Output indicator for priority axis 3 (3.3):  
Environmental friendly technological solutions (and approaches)  
implemented

Result indicator 3.3 : Quality conditions level of coastal bathing waters (according to the dir.2006/7/CE)

**Eco-Innovation** is the introduction of any new or significantly improved product (good or service), process, organizational change or marketing solution that reduces the use of natural resources (including material, energy, water and land) and decreases the release of harmful substances across the whole life-cycle



**Interreg**  
Italy - Croatia  
AdSWiM

European Regional Development Fund



EUROPEAN UNION



UNIVERSITÀ  
POLITECNICA  
DELLE MARCHE

ICRI  
CNR Istituto di Cristallografia



ZAVOD ZA JAVNO ZDRAVSTVO ZADAR



In synthesis, the aim of the project is to protect Adriatic sea with biotech and managed use of wastewater and this aim fits with the overall Programme objective



**Interreg**  
Italy - Croatia  
AdSWiM

European Regional Development Fund



EUROPEAN UNION



## Goals

Improve the environmental quality condition of the Adriatic sea by managed use of treated WW

Optimization and Proposal for Biological parameters, analytical devices, innovative treatments to protect the bodies of water

Settle and share models of DP management, present regulations efficiency assessment, feasibility studies

## Outputs

Cross-border protocols for managed use of urban treated wastewater

Reports about the significance of new biological parameters and the relation with chemical and hydrogeological variables

Feasibility studies about the adoption of new biological parameters (emerging pathogens) in bathing water quality control

Optimization of innovative analytical tools for E. coli and Intestinal Enterococci

Innovative processing of treated wastewaters for the protection of marine and coastal surface water bodies

Definition of cross-borders models to manage the wastewater treatment plants

Feasibility studies to desing new concept DP's

Proposal to custom check the effects of the monitoring plans to better respect the territorial features



**Interreg**  
Italy - Croatia  
AdSWiM

European Regional Development Fund



EUROPEAN UNION



# Improve the environmental quality condition of the Adriatic sea by managed use of treated WW

Cross-border protocols for managed use of urban treated wastewaters

- WP 3: activity 3.2** Modelling and mapping of the project areas
- WP 4: activity 4.6** Analysis of the experimental data
- WP 5 : activity 5.1** Investigation on the cross-borders DPs technologies, management strategies, transfer of knowledges
- WP 5 : activity 5.3** Joint and shared cross-borders strategies of WWT plant management and legislative action proposals

Evaluation of the significance of new biological parameters in relation with chemical and hydrogeological variables

- WP 3: activity 3.1** Critical review and analysis ...
- WP 4: activity 4.2** Nutrients and trace elements
- WP 4: activity 4.3** Sensors for ortophoshate analysis
- WP 4: activity 4.5** Survey of emerging pathogens
- WP 4: activity 4.6** Analysis of the experimental data



**Interreg**  
Italy - Croatia  
AdSWiM

European Regional Development Fund



EUROPEAN UNION





# Optimization and Proposal for Biological parameters, analytical devices, innovative treatments to protect the bodies of water

Feasibility studies about the adoption of new biological parameters (emerging pathogens) in bathing water quality control

**WP 3: activity 3.1** Critical review and analysis ...

**WP 4: activity 4.5** Survey of emerging pathogens\_Data set

**WP 4: activity 4.6** Analysis of the experimental data

Optimization of innovative analytical tools for E. coli and Intestinal Enterococci

**WP 4: activity 4.4** Pathogens detection by innovative biosensors-based approaches

Innovative processing of treated wastewaters for the protection of marine and coastal surface water bodies

**WP 4: activity 4.1** Innovative actions in WW treatments

# Settle and share models of DP management, present regulations efficiency assessment, feasibility studies

Definition of cross-borders models to manage the wastewater treatment plants

## **WP 5 : activity 5.1**

Investigation on the cross-borders DPs technologies, management strategies, transfer of knowledges

## **WP 5 : activity 5.3**

Joint and shared cross-borders strategies of WWT plant management and legislative action proposals

Feasibility studies to desing new concept DP's

## **WP 4: activity 4.6**

Analysis of the experimental data

## **WP 5 : activity 5.1**

Investigation on the cross-borders DPs technologies, management strategies, transfer of knowledges

## **WP 5 : activity 5.2**

WWT process innovation and test of the optimized AdSWiM solutions

Proposal to custom check the effects of the monitoring plans to better respect the territorial features

## **WP 3: activity 3.1**

Critical review and analysis ...

## **WP 4: activity 4.6**

Analysis of the experimental data

## **WP 5 : activity 5.3**

Joint and shared cross-borders strategies of WWT plant management and legislative action proposals



**Interreg**  
Italy - Croatia  
AdSWiM

European Regional Development Fund



EUROPEAN UNION



Project outputs

Mid term

Training and communication activity to disseminate the project results

Training activity to gain durability to the project results



Changes in behavior,  
attitudes, perceptions,  
knowledge, skills

Target groups

Long term

Project outcomes



**Interreg**  
Italy - Croatia  
AdSWiM

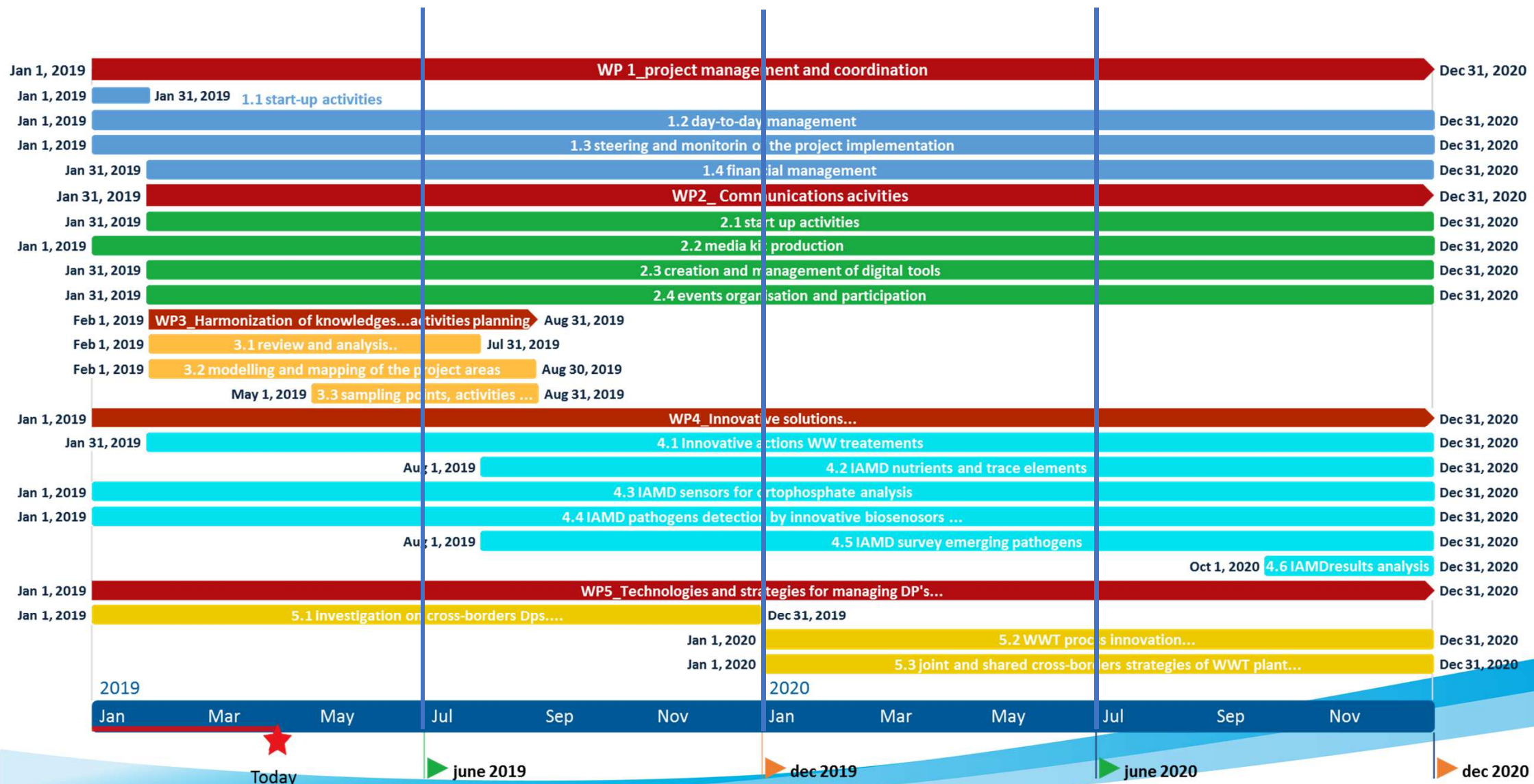
European Regional Development Fund



EUROPEAN UNION



# AdSWiM project WPs and activities



**Interreg**  
Italy - Croatia  
AdSWiM

European Regional Development Fund



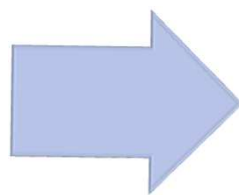
EUROPEAN UNION



April '19

PA signature and **start** of

- public procurement for externalization
- purchasing procedures
- Experimentals activities (i.e. sampling and analysis for PP ready to start) support inside to the consortium??
- mapping and modeling with cross border networking (3.2)
- the survey of the DP technologies (5.1)
- Innovative actions in WW treatments (4.1),
- sensors for orthophosphate analysis (4.3),
- pathogens detection by biosensors (4.4)
- Investigation on Dp technologies cross-border (5.1)
- Revision of the existing data (3.1)



**Jun/Jul 2019**

**Report 1° period:**

KOM report

Communication plan

Experimental plan

*Future Meetings*

### Indicators

- Documentations demonstrating that all the Procedures have been started
- Purchasing check: advance or cost commitments
- Shared protocols or cross-border procedures to perform sampling and analysis
- Shared knowledges about the rules adopted at local level to control the quality of Dp's discharged
- DP technologies (5.1): First document about the shared strategy of work organization-definition of the common points of interest to analyze both for technical and for legal (local WW regulations) aspects
- Contact and/or steps to obtain permission to access to data (for activity of revision / harmonization) started up



**Interreg**  
Italy - Croatia  
AdSWiM

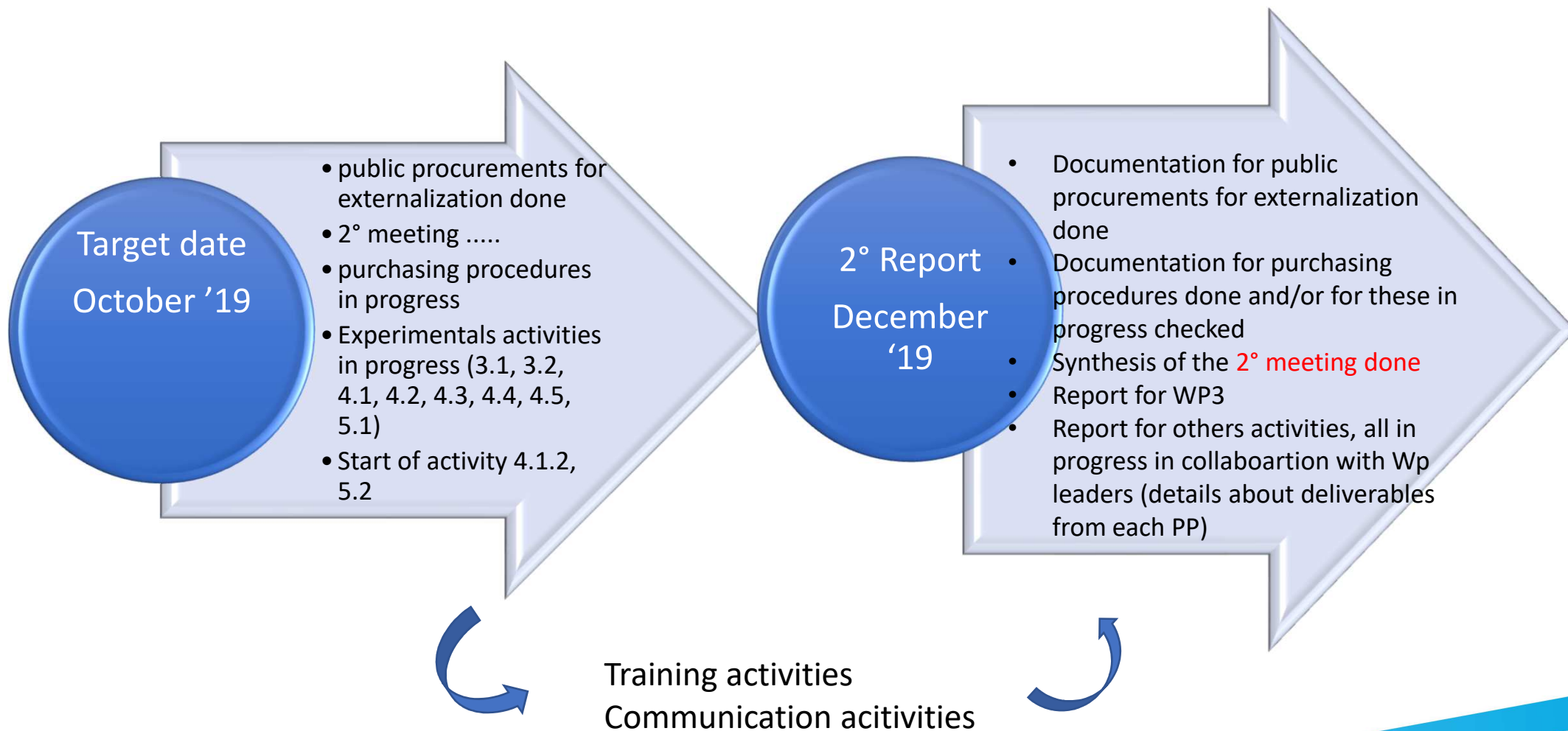
European Regional Development Fund



EUROPEAN UNION









**Interreg**  
Italy - Croatia  
AdSWiM

European Regional Development Fund



EUROPEAN UNION



# WP 1: project management

MA/JS

PO

PMT

## -Project Management team:

**LP: Sabina Susmel, FM: Marinella D'Antoni, CM: Agnese Presotto**

Each PP should adopt this same organization (*please fill asap the excell file you received*)

**-General assembly** : as described in General Assembly Rules of Procedure to be adopted to the PP

**-Steering committee**: as described in General Assembly Rules of Procedure to be approved to the PP

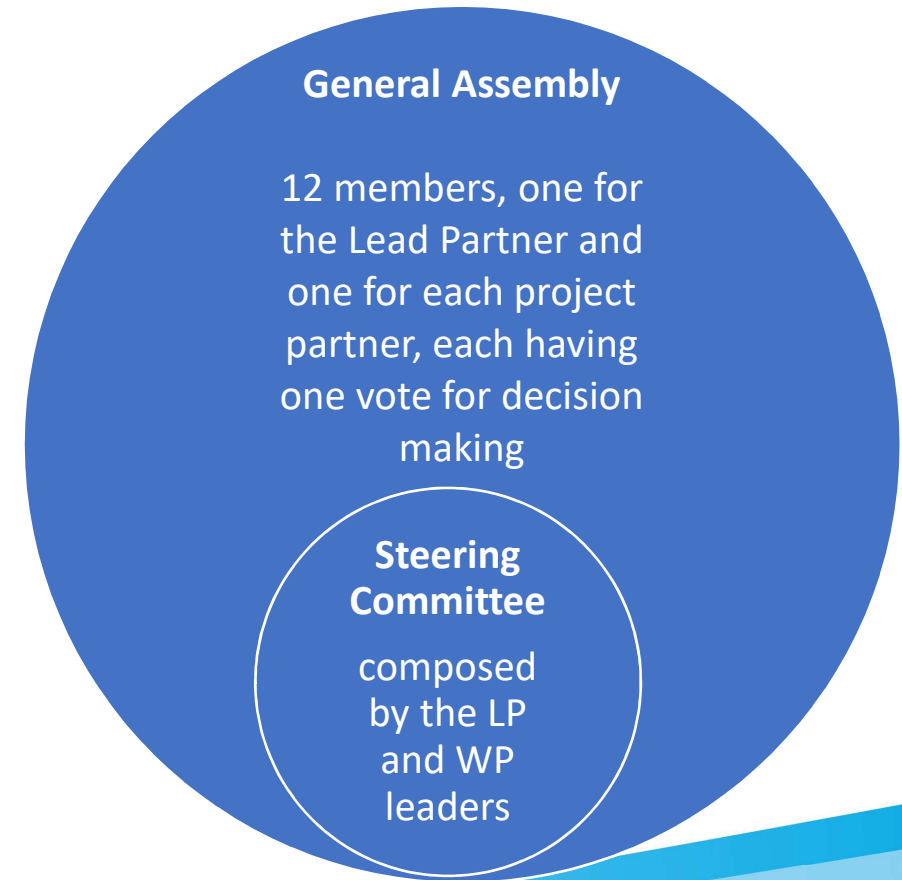
**-Meeting** every 6 months or additional meeting if requested as described in General Assembly Rules of Procedure

## DRAFT CALENDAR

**2<sup>nd</sup> meeting October-November 2019 in Croatia Zadar?**

3<sup>rd</sup> May-june 2020 in Italy Marche/FVG?

4<sup>th</sup> when? 2020 closing meeting in Croatia Split?



**Interreg**  
Italy - Croatia  
AdSWiM

European Regional Development Fund



EUROPEAN UNION





# Before To finish

- ✓ **Remember** to fill up the excel file: we need to have a project manager, financial manager /communication manager for each PP

## About PA signature-When?

- ✓ Waiting for the conclusion of partner change procedure
- ✓ Minor changes procedure to correct the legal representative for VIK and for Izvor Ploce
- ✓ Someone of you ask to slightly modify a line of PA we are doing the necessary checks

## Approval for

- Project Management Organization: **GA: 12** members (LP+ 1 for each PP) involved in the decision making process, **SC: LP + WP** leaders to support LP in promote the project implements, in identifying any risks, in the networking activity among PP.
- **GA Rules and procedures** : We did not receive any particular comments about this document (we have to correct LR for VIK and Izvor Ploce)
- **Draft of Meeting Scheduling**: **2<sup>nd</sup>** Oct-Nov. 2019 In Croatia Zadar(?), **3<sup>rd</sup>** May 2020 in Italy  
**4<sup>th</sup>** meeting for project closure in Croatia Split (?) Nov-Dic. 2020



**Interreg**  
Italy - Croatia  
AdSWiM

European Regional Development Fund



EUROPEAN UNION



UNIVERSITÀ  
POLITECNICA  
DELLE MARCHE

ICDI  
CNR Istituto di Cristallografia



Città di Pescara  
Municipalità di Pescara



ZAVOD ZA JAVNO ZDRAVSTVO ZADAR





Thank you for your attention