

# WP4. Implementation of developed master curricula and trainings

**Zakhar Maletskyi**

Kick-off meeting, December 2018



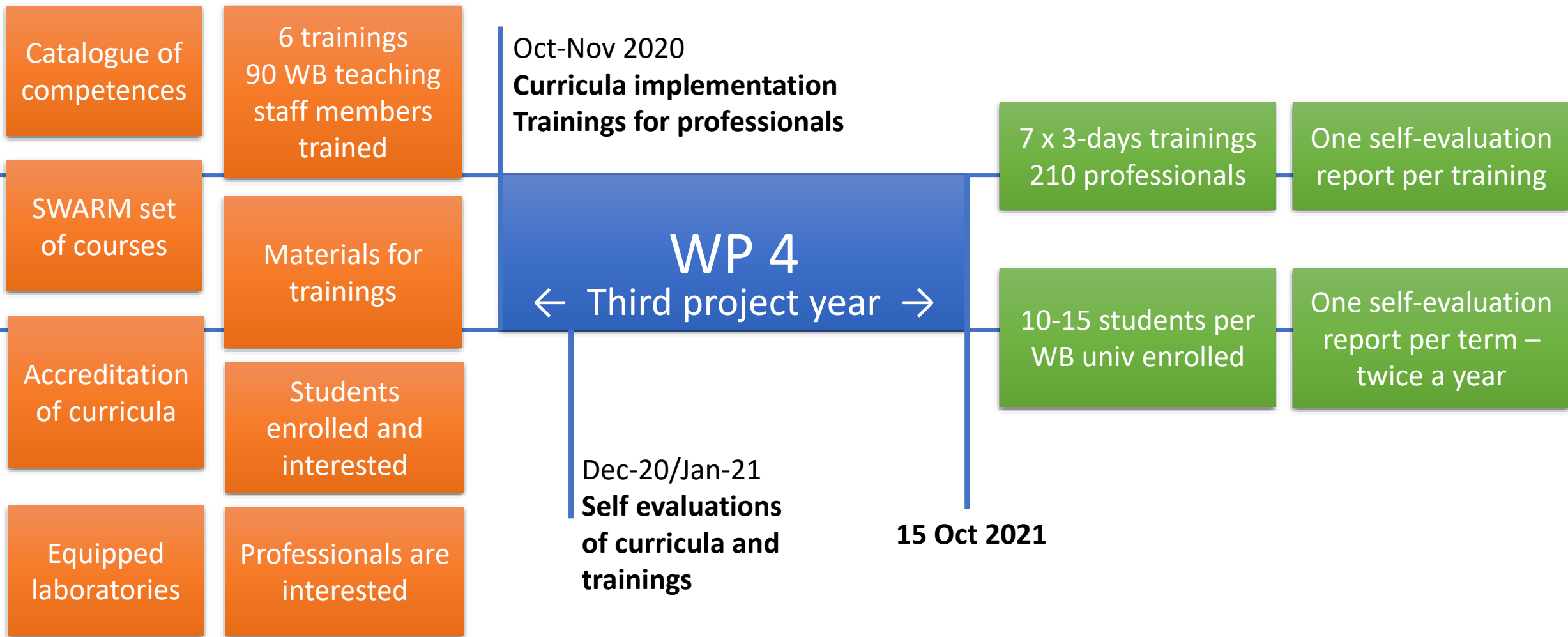
**Norwegian University  
of Life Sciences**

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# What have we promised in the application?

	WP4	Implementation of developed master curricula and trainings - Development			
NMBU	4.1	Implementation of developed master curricula	Master curricula implemented	14-11-2021	NMBU, WB partners
	4.2	Implementation of trainings for professionals in water sector	Participants trained - Three-day training per WB HEI and 30 participants per training	14-02-2021	NMBU, WB partners
	4.3	Self-evaluation of master curricula	Quality report on master curricula	14-09-2021	NMBU, WB partners, QAC
	4.4	Self-evaluation of trainings for professionals in water sector	Quality report on trainings	14-03-2021	NMBU, WB partners, QAC

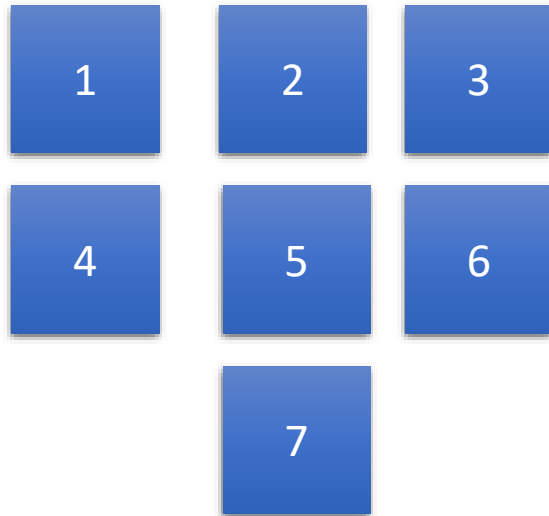
# WP4 Inputs & Outputs





# Activities

## Trainings for professionals



- 3-day trainings
- 30 participants per training
- In Western Balkan Universities
- 210 professionals
- by Jan 2021

- ✓ Self-evaluation
- ✓ 2 Quality Reports

## Implementation of developed Master Curricula

- by Oct 2021
- 2<sup>nd</sup> Cycle Degree
- EQF Level 7
- 60 or 120 ECTS

## Training of participants

- 10-15 students per WB Uni
- Intensive courses during winter/summer schools at EU partner Uni

A black and white close-up portrait of Dwight D. Eisenhower, looking slightly to the left of the camera with a neutral expression. He is wearing a dark suit jacket and a white collared shirt. The background is a plain, light-colored wall.

**Plan is  
nothing.  
Planning  
is  
everything**

~ Dwight Eisenhower ~



SWARM

# Group work



# Early planning of Curricula Implementation



# Curricula implementation

- **A4.1 Implementation of developed master curricula**  
**New 10-15 master students will be enrolled at each WB partner HEI starting from October 2020.** They will be trained how to use new and up-to-date laboratory equipment and software which can be directly applied in water sector
- **A4.3 Self-evaluation of master curricula**  
The self-evaluation will be done twice a year (in winter and in summer semesters). **The quality of teaching, including teachers' methodological approach, availability of literature and laboratory equipment will be performed.**



## Upgrade of curricula

- How can we document upgrade of existing Master curricula?
  - New accreditation body in Serbia – procedure is not clear yet
  - Existing program – upgraded study plans / syllabus
- How UNI and TCASU will document development of completely new study programs based on implemented courses
  - **Accreditation of new programs in National System (?) - licenses**



# How to get students interested in advance and enrolled in time?

## Ideas

- Industrial need / request for employment
- Employment opportunities
- Early orientation in MSc programs – competence based
- Presentation of study programs with employment opportunities
- Alumni stories of success
- Direct marketing to professionals to be enrolled in MSc – special schedule for professionals – “evening courses”
- Outreach to high school with emphasis to employment opportunities based on transparent competition
- Open doors at universities + job fairs
- Mandatory program



# How to ensure transparency of selection?

## Ideas

- Public call
- Enrolment test – points weighted by 60% together with marks from the higher school – rating - BEng
- Accreditation – number of students
- Summer course
  - Motivation letter + CV
  - Av. Marks
  - Used E+ mobilities – broader circle
  - Language skills – B1



# Suggested structure of work

1. Announcement of future opportunity
2. Call for enrollment
3. Selection process
4. Formal enrolment
5. Teaching
6. ...
7. Quality report



# Early planning of trainings for professionals



- Professional extension courses
  - Three-day training will be held in WB partner HEIs and conducted by experts from WB partners (one training per WB partner HEI). Foreseen number of trainees 30 per training. Material will be printed and also freely available at SWARM website.
  - Raise awareness about innovative solutions
  - Relevant content
  - Centers for lifelong learning at universities
    - Who has?
  - Certification
  - Self-evaluation of quality
    - After conducted training, evaluation list will be fulfilled by the trainees and serve as a source for improvement future trainings

# Content

## FIRST DAY

### **- EU water policy under the Water Framework Directive (4 hours)**

- \* Objectives and instruments of EU Water Policy
- \* Integrating water policy: Linking all EU water legislation within a single framework
- \* Roadmap to implementing the directive's economic analysis
- \* Best practice examples for using Water Framework Directive

### **- Water management and climate change adaptation (4 hours)**

- \* Water and climate change – policy framework
- \* Climate Change and the European Water Dimension
- \* Climate change and impacts on water
- \* Contributing to better water management: Experiences from case studies across Europe

# Content

## SECOND DAY

### **- Wastewater treatment and reuse of treated wastewater (4 hours)**

- \* Treatment of Urban Waste Water Directive and EU legislation related to water reuse
- \* Standards for the quality of reused treated wastewater
- \* Potential sources and uses for reuse of treated wastewater
- \* Water reuse in Europe - needs for and barriers to innovation

### **- Flood and drought risk management (4 hours)**

- \* European policies influencing the management of floods
- \* Flood risk management, climate change adaptation and disaster risk reduction
- \* Challenge from water scarcity and droughts
- \* Good practices and learned lessons across Europe in preventing and managing water scarcity, flood and drought situations





# Content

## THIRD DAY

### - Innovation in the water sector (6 hours)

- \* Policies on water and innovation in Europe
- \* Cyber safety in water infrastructure and services
- \* What is water innovation
- \* Barriers and bottlenecks for innovation in the water sector
- \* Examples of innovation in the water sector
- \* Promoting public-private partnerships and collaboration with HEIs



# Who is our target audience?

## • Public

- Water supply agencies
- Water Protection Agencies
- Municipal agencies
- Ministry of Agri, Forestry, Special Planning
- Planning agency
- Environmental Protection Ministry
- River basin directorates
- Construction companies
- Hydro power plants operators

## • Private

- Agriculture companies
- NGOs
- Consultancy – design
- Construction companies
- Small hydropower operators

There should be transparency in involvement of companies because of subsidy from EU project



# What is their behavior and how to get them interested in our trainings?

- How, where and when to reach them?
  - ...
- How to make sure they attend?
  - ...
- How to keep them interested for future?
  - ...



# Suggested structure of work

1. Mobilization of network
2. Making new connections
3. Working with needs
4. Early announcement
5. “enrolment”
6. ...
7. Workshop
8. ...
9. Certification
10. ...
11. Quality report



## Travels to NMBU, Norway

- 2 staff members from WB HEIs (3 from Nis) x 5 days  
= **15 staff x 5 days**
  - 2 students from WB HEIs (1 from Leposavic) x 7 days  
= **13 students x 7 days**
- 
- 1 staff member from Novi Sad and Mostar x 7 days  
= **2 staff x 7 days**



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