



Co-funded by the  
Erasmus+ Programme  
of the European Union



## Introducing LLL to water professionals

Jelena Đokić  
UPKM

Final Conference/31.03.2022

This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

University of Nis



[www.swarm.ni.ac.rs](http://www.swarm.ni.ac.rs)

Strengthening of master curricula in water resources  
management for the Western Balkans HEIs and stakeholders  
Project number: 597888-EPP-1-2018-1-RS-EPPKA2-CBHE-JP

## Lifelong Learning LLL



- LLL -necessary tool for achieving competitiveness and use new technologies focused on knowledge based society (Prague Communiqué).
- universities to include lifelong learning within higher education
- great impact in achieving cross cutting goals of education.
- crucial role in meeting the needs of a labor market
- growing need for new competencies in a changing world.
- the universities were given the central role in strengthening regional development by continuous upgrading of competencies and forming the knowledge alliances (2012 Bucharest Communiqué).

## WP3 Activities and results

3.1. Introduction with LLL courses for professionals in water sector in EU

3.2. Analyse of water sector needs for LLL courses in WB

3.3 Development of trainings' content and corresponding educational material

- Survey of water sector needs in WB
- Register of companies in the field of WRM
- Questionnaire prepared, launched and analyzed
- Trainings' material prepared

### Needs assessment



#### Collecting data on Stakeholders and Non Academic Sector

- List of companies in the Water Sector
- List of authorities in Water Management Sector
- List of NGOs interested and working in Water protection and Water resources

Organizing the Round Table with Stakeholders and Non Academic Sector  
Information about SWARM activities and call for participation



# Needs assessment



## First step in LLL implementation-widening access

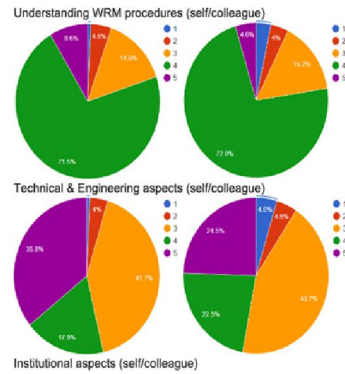
- comprehensive survey of employees in the water sector in the Western Balkans was conducted.

A total of 1,136 respondents participated in the survey. The survey:

- provided with data on the water sector professionals,
- level of knowledge among the participants,
- self-assessment on their skills and competencies,
- participants selected based on the survey and in direct meetings with local, regional and national authorities in WB countries regarding WRM.

### Fourth group of questions: Training Need

- Please read each of the abilities carefully and rate yourself and your on the same on the basis of five point rating scale. (Five is the highest lowest)



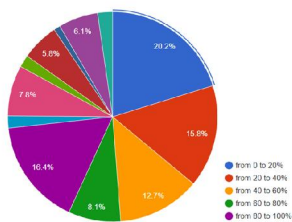
# Needs assessment



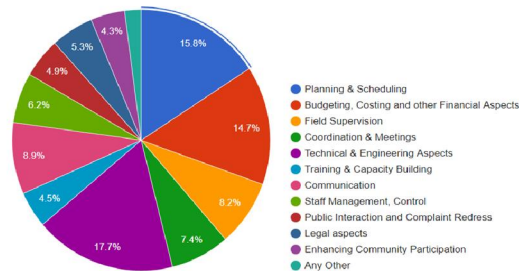
## Review of the stakeholders

Second group of questions: Job Responsibilities as regards to Water Management in the organization

- In your present position, how much time do you devote for carrying work related to Water Resources Management?



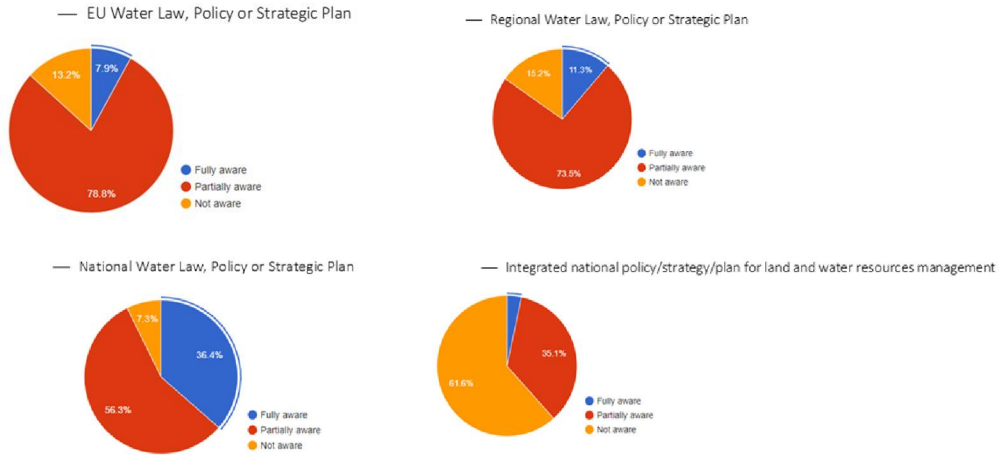
- In your present position, what are your responsibilities for Water Resources Management? You may tick more than one.



# Needs assessment



## Awareness, Knowledge to Water Resources Management Policy



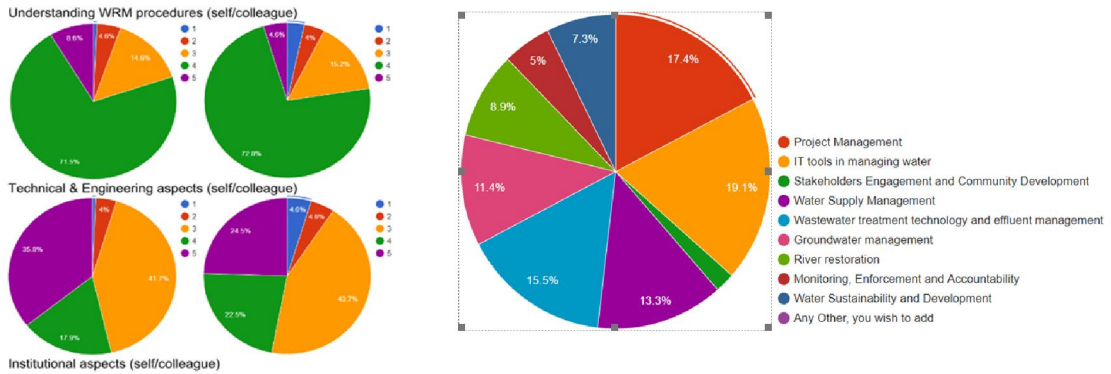
# Needs assessment



## Training needs

### Fourth group of questions: Training Need


- Please read each of the abilities carefully and rate yourself and your on the same on the basis of five point rating scale. (Five is the highest lowest)




## Training preparation



- topics in the field of WRM were defined,
- training material was prepared.
- LLL helped improving cooperation with stakeholders


Co-funded by the Erasmus+ Programme of the European Union 

### **swarm Handbook for the training in WRM**



[www.swarm.ni.ac.rs](http://www.swarm.ni.ac.rs)

<http://www.swarm.ni.ac.rs/activities?id=53>



Strengthening of master curricula in water resources management for the Western Balkans HEIs and stakeholders

# Training Plan

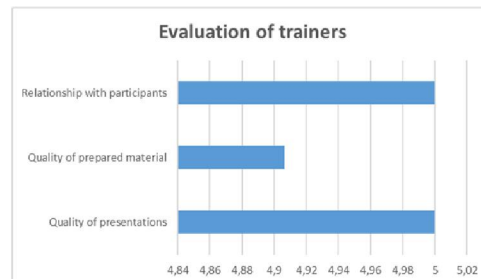
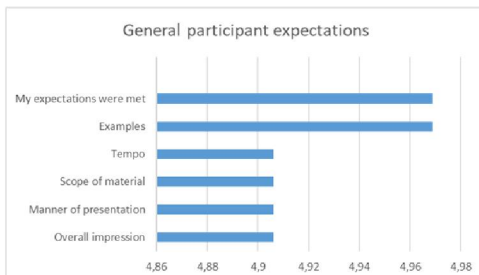


During the training participants will learn about

- Water as a scarce resource,
- EU water policy under the Water Framework Directive,
- Water management and climate change adaptation,
- Wastewater treatment and reuse of treated wastewater,
- Flood and drought risk management,
- Innovation in the water sector



## Stakeholders' satisfaction



The participants have the following knowledge, skills and competencies

- understanding on climate change and its impact on water resources, and the EU Water policy
- to apply the best practices in water saving and water use,
- advance techniques for water and waste water treatments,
- measures for adaptation to the climate change in the given political framework.

The trainees have the competencies

- to develop a Strategic plan for water management in all levels of administration as well in the companies in water sector