



## **Strengthening of master curricula in water resources management for the Western Balkans HEIs and stakeholders (SWARM)**

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### **SWARM newsletter, Issue 5/July 2021**

Welcome to the SWARM newsletter!

This bulletin provides information on the latest SWARM project activities.



Enjoy your reading and visit the SWARM website ([www.swarm.ni.ac.rs](http://www.swarm.ni.ac.rs)) to find more information.

With the best regards,

*SWARM project team*

## SWARM CURRICULA EVALUATION PRACTICES

SWARM curricula evaluation practices document summarizes curricula evaluation practices of the SWARM partner universities from the Program Countries. We developed this document to facilitate transfer of good practices of curricula evaluation to the Partner Countries.

The document contains four parts: (i) short overview of the practices in partner universities from the Program Countries; (ii) recommended resources about curricula evaluation practices; (iii) Annex A – Evaluation forms of the partner universities from the Program Countries; (iv) Annex B – Generic evaluation form recommended for the evaluation of SWARM courses.

It has been jointly prepared by university staff members from Program and Partner Countries:

- Ø Partners from Program Countries compelled compendium of evaluation practices, recommended resources and evaluation forms available at their universities,
- Ø Based on the information from the first step, partners from Partner Countries prepared a generic evaluation form for the evaluation of SWARM courses.

Generic evaluation form consists of the following categories of questions:

- Ø Questions related to the course,
- Ø Questions related to the teaching staff,
- Ø Summarized questions.

The document is available on the project official website on the following link:

<http://www.swarm.ni.ac.rs/activities?id=74>

## MODERNIZED STUDY PROGRAMMES

University of Novi Sad, University of Sarajevo, and University of Pristina in Kosovska Mitrovica enrolled successfully the first generation of students at the modernized study programmes under the SWARM project. University of Nis has received the decision for the accreditation of new bachelor and master study programme in the field of project managing in civil engineering including the group of water related courses (<http://www.swarm.ni.ac.rs/activities?id=61>).

The SWARM curricula are competency-based curricula emphasizing development of students' competences which means - knowledge, understanding, skills, abilities and attitudes. They were designed around a set of generic, engineering and water resources management competencies.

Developed SWARM curricula involve the application of new technology tools, delivery platforms and pedagogy. Students will be able to use and manage technology tools and devices that use scientific data to prove or achieve objectives and to draw evidence-based conclusions and to be able to discuss and justify conclusions.

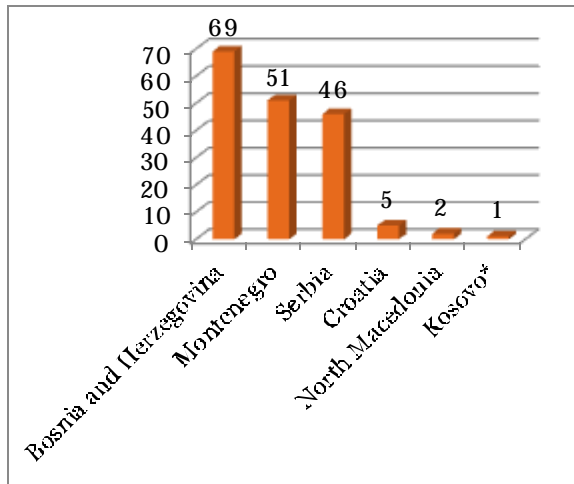
Each course was evaluated and results can be found on the following link:

<http://www.swarm.ni.ac.rs/activities?id=74>

## IMPLEMENTATION OF TRAININGS

Two trainings for professionals in the water sector were organized in June 2021. The first training held on 8th to 10th June 2021 was on-line with the participation of 174 participants. In total 14 panelists presented materials related to the water resources management and their experience in this field.

Distribution of participants is presented in the following figure:



The following topics were presented:

- Ø EU water policy under the Water Framework Directive,
- Ø Water management and climate change adaptation,
- Ø Water – scarce resource,
- Ø Flood and drought risk management,
- Ø Wastewater treatment and reuse of treated wastewater,
- Ø Leakage in water supply systems,
- Ø IT tools in the water resources management,
- Ø Stormwater quality management,

- Ø Water pollution and their causes,
- Ø Methods of rational water management planning,
- Ø Water management in Bosnia and Herzegovina and Serbia.

All produced materials are freely available at the SWARM website

<http://www.swarm.ni.ac.rs/activities?id=75>

Recordings are available at the SWARM YouTube channel:

First day

<https://youtu.be/tPymUu1t1Dg>

<https://youtu.be/e27lREo3Ljc>

Second day

<https://youtu.be/OPQYncTBnw>

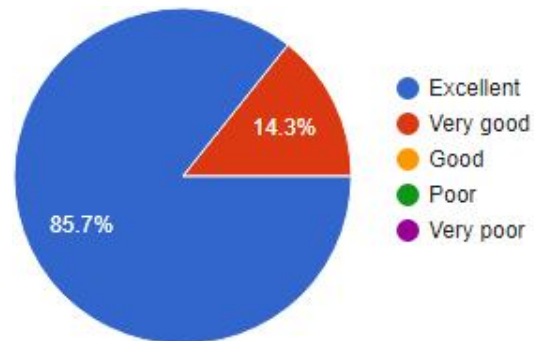
<https://youtu.be/xA3yLrMcFO4>

Third day

[https://youtu.be/ITGUTHt\\_FM](https://youtu.be/ITGUTHt_FM)

Moodle platform is used for the created LLL courses. The link is <http://gf94.gaf.ni.ac.rs/>

Overall impression was rating as excellent.



The second training was organized in Leposavic from 28<sup>th</sup> to 30<sup>th</sup> June 2021 by the Academy of Applied Studies of Kosovo and

Metohija. In total, 38 participants took part in the training.



Presentations and all other material are freely available at

<http://www.swarm.ni.ac.rs/activities?id=75>

## ROUNDTABLES WITH NON-ACADEMIC SECTOR

Five roundtables with participation of non-academic sector have been organized for the promotion of trainings for professionals in the water sector by Western Balkan teaching staff in Nis, Leosavic, Mostar, Sarajevo and Podgorica. The promotional materials regarding SWARM project and trainings have been delivered to all interested parties.



Participants expressed the interest for new study programmes and concluded that future graduated students will have opportunity to work on water quality programme and in general in the civil engineering sector.

## University of Sarajevo



## University of Niš



## Džemal Bijedi University of Mostar



## University of Montenegro



More details are available on the project official website and on the following link:

<http://www.swarm.ni.ac.rs/activities?id=57>



For further information about the project please refer to the website [www.swarm.ni.ac.rs](http://www.swarm.ni.ac.rs), and feel free to get in touch with us also via [swarmuni@gmail.com](mailto:swarmuni@gmail.com) or on one of our other social media channels.



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