

REPORT ON SELF-EVALUATION OF ORGANIZED TRAININGS

Type of event	Training
Reporting date	25 April 2022
Report author(s)	Milan Gocić, Daniel Wildt, Michael Tritthart, Zakhar Maletskyi, Harsha Ratnaweera, Susann Andersen, Barbara Karleuša, Bojana Horvat, Petar Filkov, Yordan Gerinski, Maria Manuela Portela, Panagiotis Prinos, Charalampos Skoulikaris

SCHOOL DESCRIPTION

with special reference to goals and outcomes

Number of total participants at the trainings	33 WB teaching staff
Participants (organisations)	All partner HEIs
Event description:	
<p>Enhancing internationalisation across Europe has been a major concern of the European Union in the last years. SWARM trainings are part of this internationalisation strategy. They served in SWARM project to improve WB teaching staff skills and make networking between team members exchanging ideas and best practices.</p> <p>Six trainings were organized:</p> <ul style="list-style-type: none"> ➤ UACEG – 28 February – 04 March 2022 (04 April – 08 April 2022) ➤ UNIRIFCE – 21 March – 25 March 2022 ➤ BOKU – 21 March – 25 March 2022 ➤ NMBU – 04 April – 08 April 2022 ➤ AUTH – 11 April – 15 April 2022 ➤ UL – 18 April – 22 April 2022 	

University of Nis



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

Trainings covered different topics that are related to water resources management. The overall aim of organized trainings is to enhance knowledge in the field of water resources management, give confidence to talk in a foreign language, improve organizational skills i.e. how to organize successfully schools, exams or improve quality of study programs.

The WB teaching staff have different research backgrounds. None of the participants, neither WB nor EU teachers, have English as their native language.

The trainings consist of lectures, practical examples, networking activities and study visits.

In total, 33 teaching mobilities were realized.

Developed programs are freely available and published on <http://www.swarm.ni.ac.rs/activities?id=91>.

A number of WB teaching staff participated in trainings and a number of WB teaching staff per organized training were presented in Figs. 1 and 2, respectively.

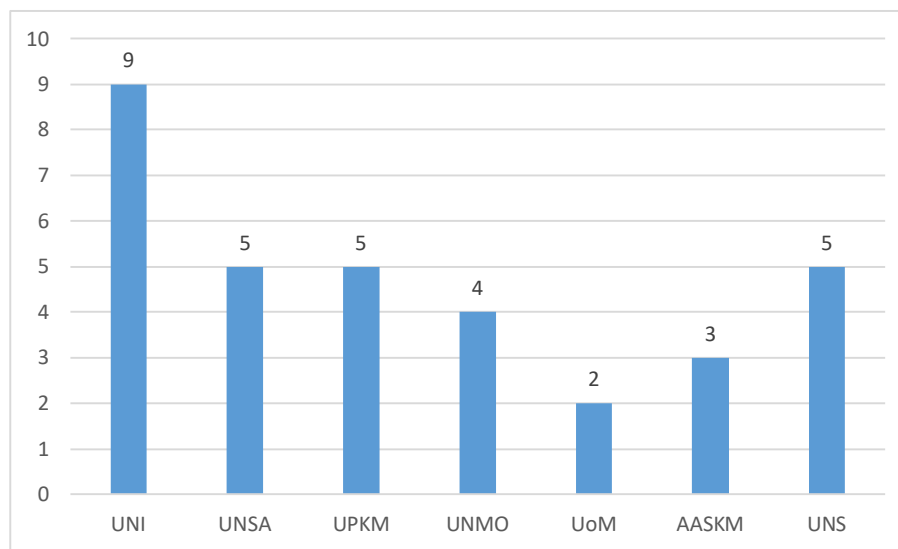


Fig. 1 Number of WB teaching staff participated in trainings

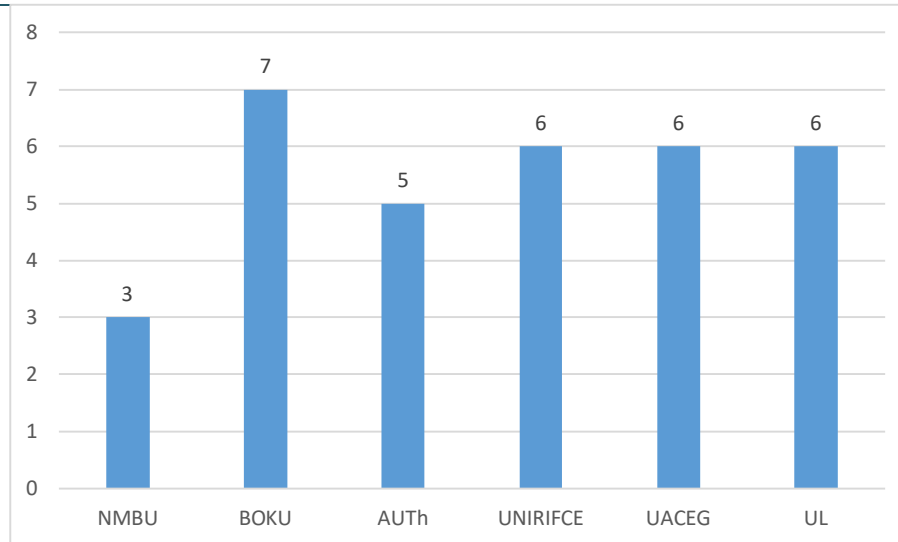


Fig. 2 Number of WB teaching staff per organized training

UACEG training

The following topics were presented to WB teaching staff:

- Presentation of the program of the Winter School,
- Irrigation Systems and Drought Management,
- Investments in Irrigation Infrastructure,
- Determining Potential Water Savings due to investments,
- Water Management Optimization Problems,
- Multicriteria analysis – an Example for Prioritization of Investments in Irrigation Infrastructure,
- Bulgarian Strategy for Management and Development of Hydro-melioration and Protection Against Harmful Effects of Water – Implementation Issues,
- Experience of UACEG in organizing summer schools for students from India.

Investments in irrigation infrastructure have multiple goals, depending on the level of the investments:

- Farm Level
 - To decrease the labour use
 - To increase the water use efficiency (to decrease losses)
 - To increase and/or to make the yields sustainable
 - To improve the energy efficiency
- Water User Association Level (Irrigation Field Level)
 - To increase the water use efficiency (to decrease losses)
 - To improve the energy efficiency
 - To decrease the water price
- Irrigation System Level
 - To increase the water use efficiency (to decrease losses)
 - To improve the energy efficiency
 - To facilitate the IS management
 - To improve the service quality (delivery of irrigation water)
 - To decrease the water price

Some photos from the training:





UNIRIFCE training

The following topics were presented to WB teaching staff:

- Presentation of the program of the Winter School,
- Presentation and exchange of good practices in teaching: e-learning, students' work assessment, plagiarism detection,
- Presenting of the QA system at the UNIRIFCE,
- GIS in water management,
- Urban flood analysis and mapping,
- Remote sensing in water balance,
- Monitoring of beaches,
- Multi-criteria analysis in water management.

Theoretical basis for application of the MCA lies in the nature of the problems that have to be solved. The problems regarding water management are predominantly ill-structured, the goals are complex and the conditions for their achievement, for example parameters that predict traffic and economic conditions, are variable and uncertain. It can be concluded that MCA, particularly in the framework of the decision support system, can contribute significantly to the improvement of the quality of decision making in water management.

Some photos from the training:



BOKU training

The following topics were presented to WB teaching staff:

- The Sandoz/Rhine accident 1986,
- Heat and mass transport in free-surface water bodies,
- E-Learning tools,
- Automated exam creation and evaluation,
- Definition of exams questions using R/Exams,
- Preparation of exams on paper using R/Exmas,
- Preparation of online exams using R/Exmas.

Functionality of online courses:

- provide course materials | online exams, tests, etc.
- interact with students through forums,
- foster interaction of students,
- motivate mutual feedback.

The R/exams package consists of:

- questions types,
 - multiple / single choice,
 - numeric,
 - character,
 - string,
- automated variation of values,
- unlimited number of different assignments possible.

Use of the package for offline tests:

- use package as questions data base,
- export tests in pdf format,
- automatic evaluation of multiple choice questions,
- manual evaluation of open questions.

Potential of the package

Disadvantages

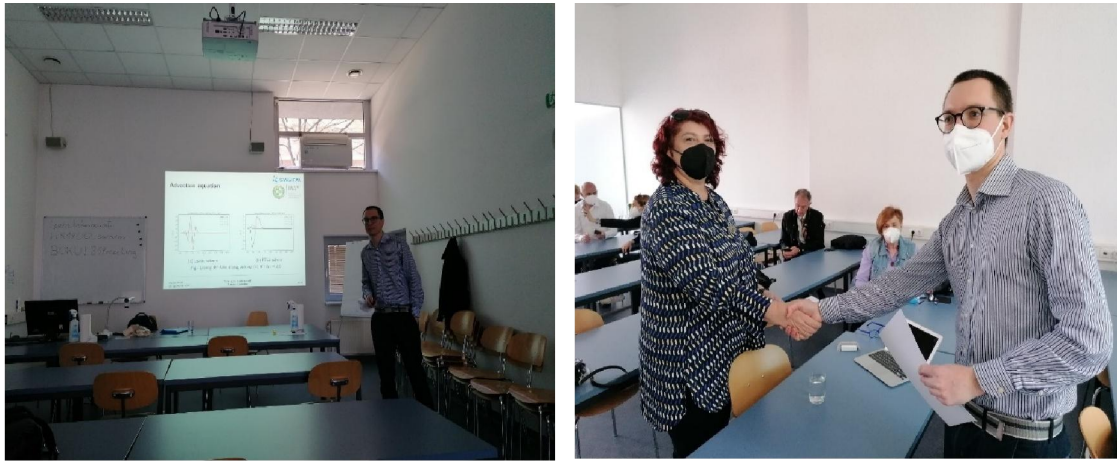
- only final results count,
- easy to copy correct values,
- no possibility to make students draw sketches,
- initially high effort for coding.

Advantages

- learning through several attempts,
- individual assignment for each student,
- saved time for correcting,
- feedback straight after submission.

Some photos from the training:





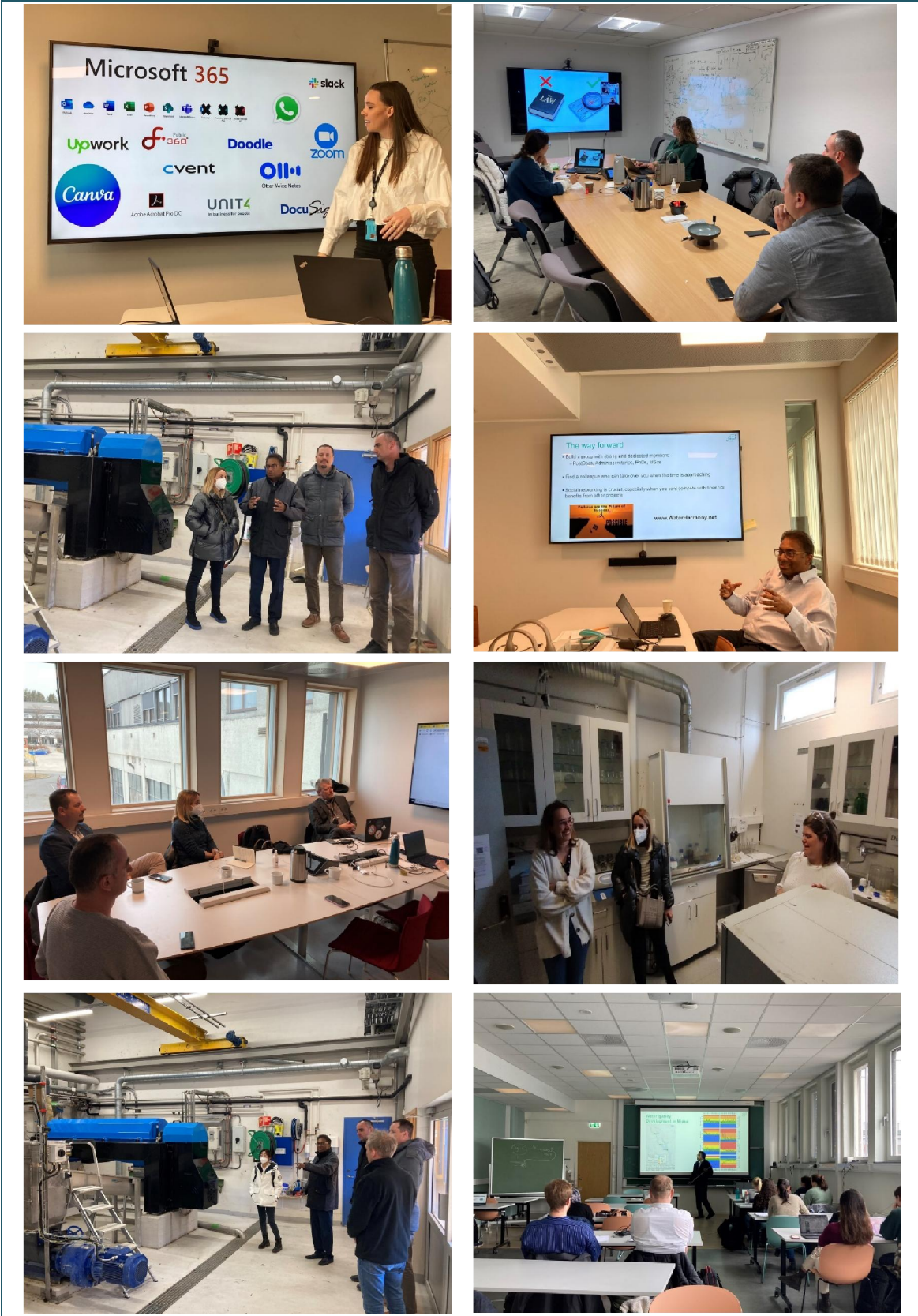
NMBU training

The training focuses on thematic modules addressing the modern teaching techniques:

- Research co-programming by Joint Strategic Research Agenda,
- How to write a successful MSCA proposal,
- Active learning and teaching practice at NMBU,
- Implementing Open Research Data,
- How to support the success of a research group: good practices of coordination in collaborative projects,
- Building university support for external research funding,
- Digital water and process analytics in the water sector,
- How to set up and run a successful water lab,
- Good practices of supporting academic writing,
- Towards gender equality, diversity, and inclusion on university level,
- Removal of particles and phosphates,
- Removal of organic matter and nutrients.

Also, the field trip to a wastewater treatment plant was organized.

Some photos from the training:





AUTh training

Principal aim was the introduction to WB teaching staff of the basic concepts of:

- Sustainable and integrated water resources management,
- Hydraulics (open channels, river, water supply networks, etc.),
- Hydrology and use of hydrological models and tools (e.g. GIS).

The following topics were presented to teachers:

- Good practices in teaching: e-learning, students' work assessment, plagiarism detection,
- Presentation of the UNESCO Category II Center on Integrated and Multidisciplinary Water Resources Management,
- Climate change and water resources management,
- GIS and water resources management.

Visit to laboratories and networking with teaching staff of the Civil Engineering Department as well as networking with teaching staff members of UNESCO Category II Center were organized.

Some photos from the training:







UL training

The following topics were presented to WB teaching staff:

- Hydrological extreme events analysis: annual maximum series versus partial,
- Practical challenges of large hydropower,
- I am going to make a PowerPoint and an oral presentation,
- Rainfall trends assessment – the Portuguese case study,
- Integrated river basin modelling,
- Grid-Point Rainfall Trends, Teleconnections, and Regionalised Droughts.

Visit to the laboratories and networking (group discussion) with other UL colleagues were organized.

Some photos from the training:



Evaluation details

UACEG training

General organization of training

Relevance of the topic

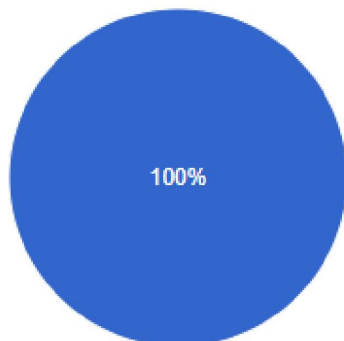
6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Usefulness of the acquired knowledge

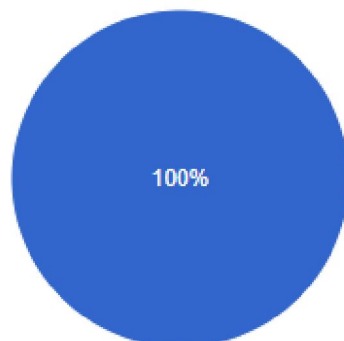
6 responses



- Excellent
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Rating of the methodology of working with participants

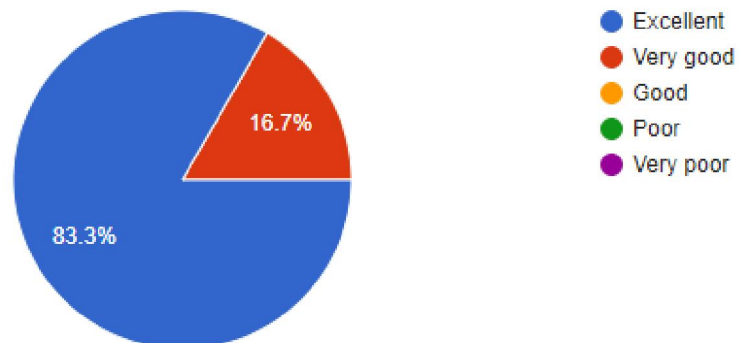
6 responses



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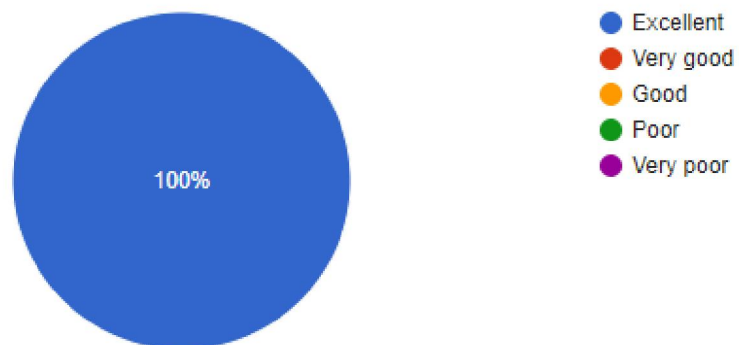
Rating of prepared training materials

6 responses



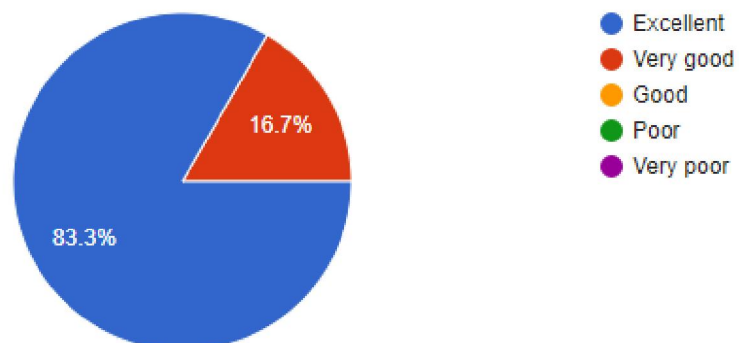
Rating organization

6 responses



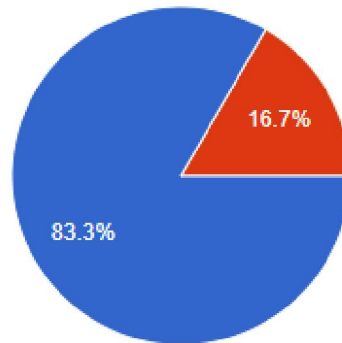
Rating of working conditions

6 responses



Rating interactivity in training

6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Rating transferability of acquired knowledge

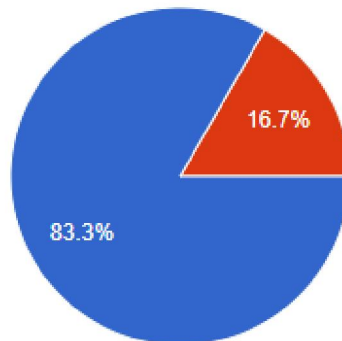
6 responses



- Excellent
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Rating of satisfaction of participation in training

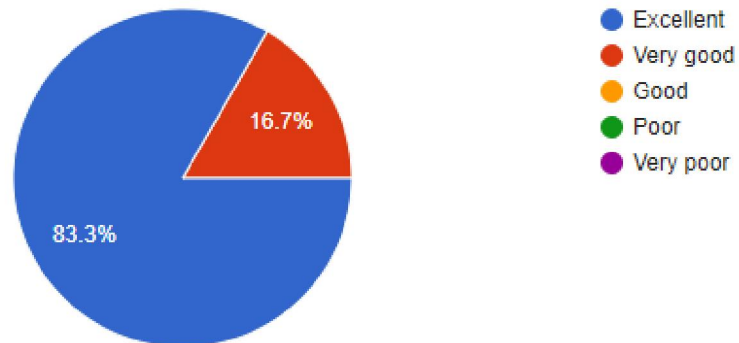
6 responses



- Excellent
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Assessing the fulfilment of expectations regarding training

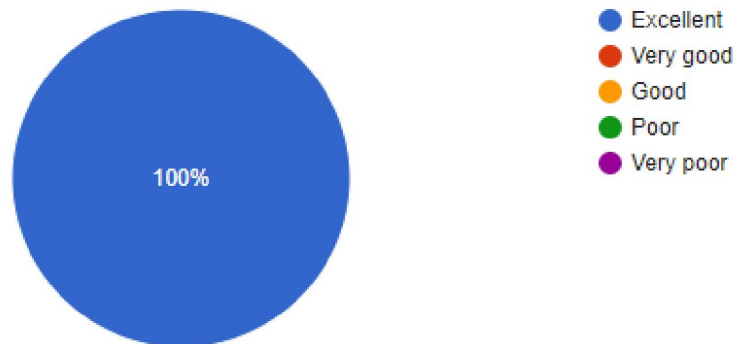
6 responses



General participant expectations

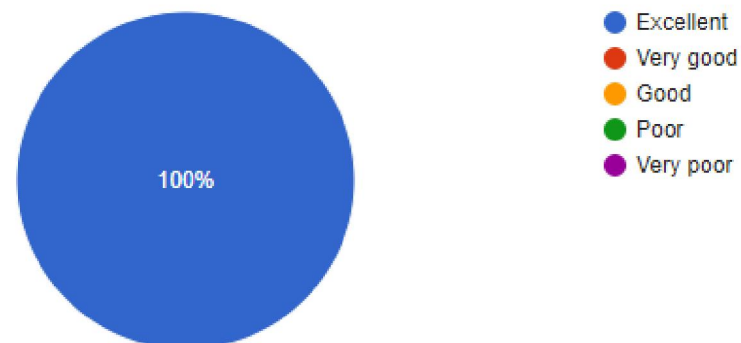
Overall impression

6 responses



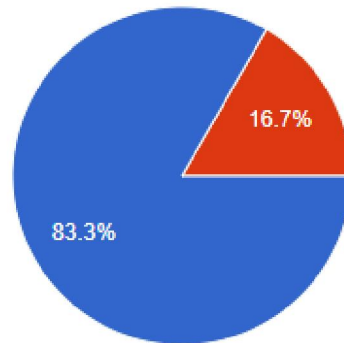
Scope of material

6 responses



Examples

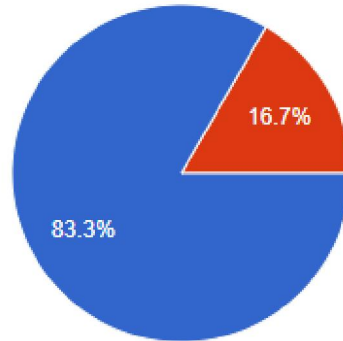
6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Practical exercises

6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

My expectations were met

6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Evaluation of trainers

Quality of presentations

6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Quality of prepared material

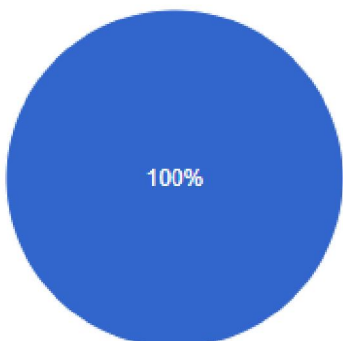
6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Enabling active participation of participants

6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Comments

Excellent experience achieved during the training. Thank you!

UNIRIFCE training

General organization of training

Relevance of the topic

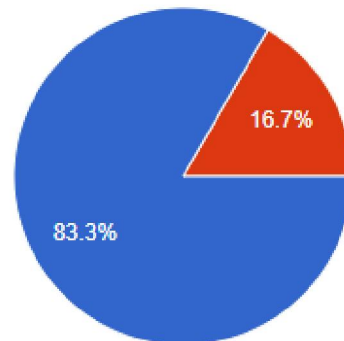
6 responses



- Excellent
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Usefulness of the acquired knowledge

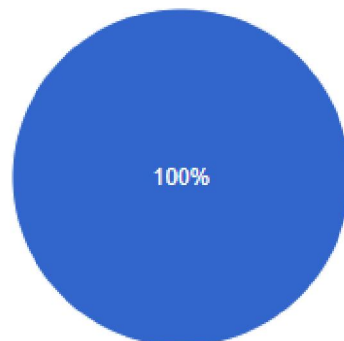
6 responses



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Rating of the methodology of working with participants

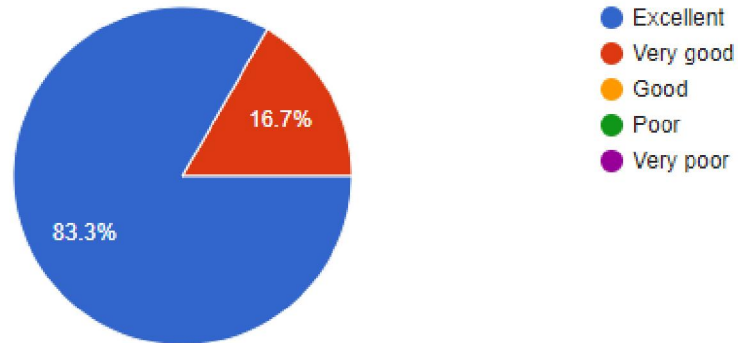
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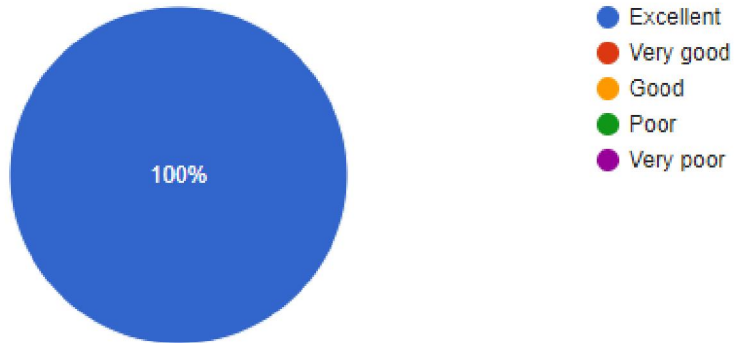
Rating of prepared training materials

6 responses



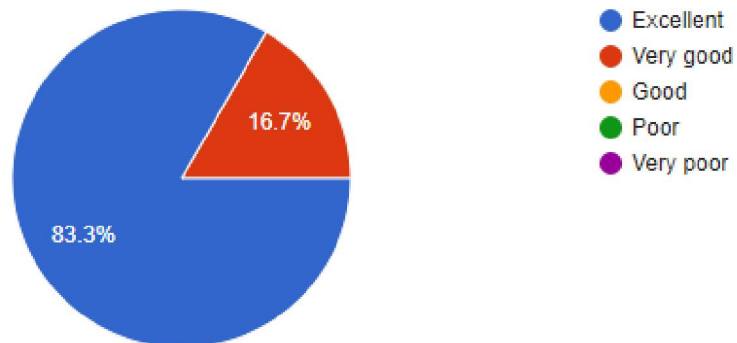
Rating organization

6 responses



Rating of working conditions

6 responses



Rating interactivity in training

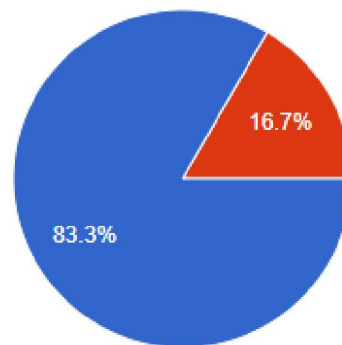
6 responses



- Excellent
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Rating transferability of acquired knowledge

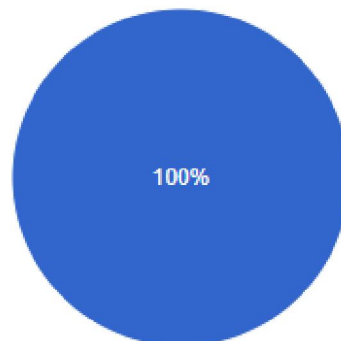
6 responses



- Excellent
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Rating of satisfaction of participation in training

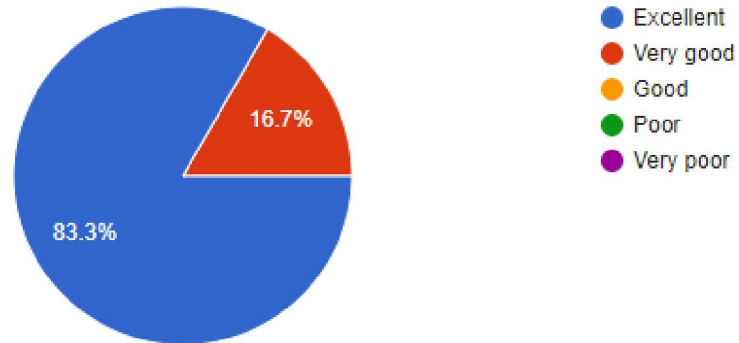
6 responses



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Assessing the fulfilment of expectations regarding training

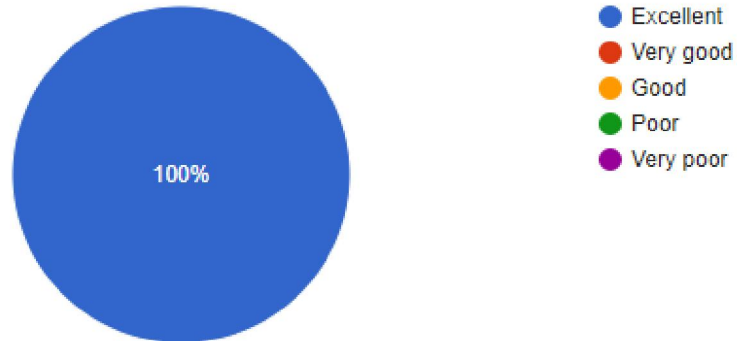
6 responses



General participant expectations

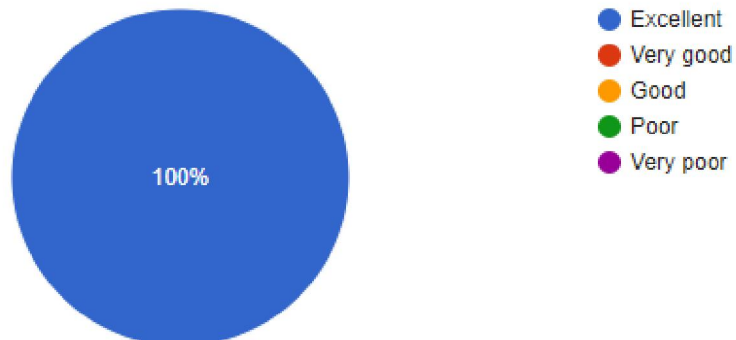
Overall impression

6 responses



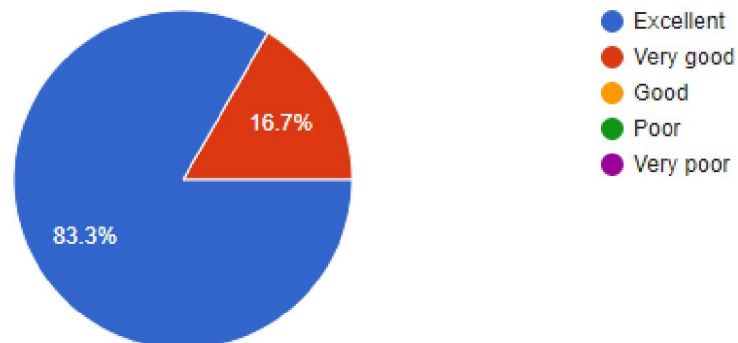
Scope of material

6 responses



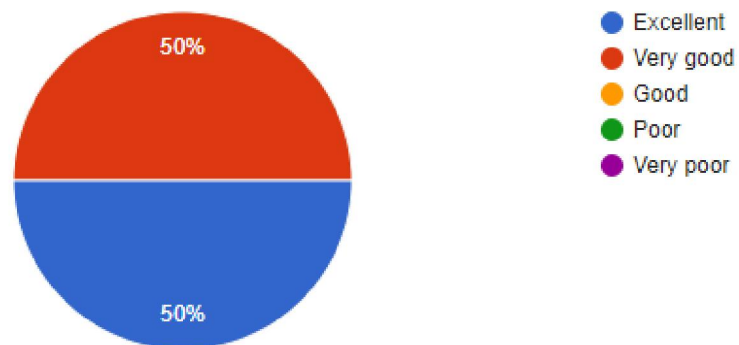
Examples

6 responses



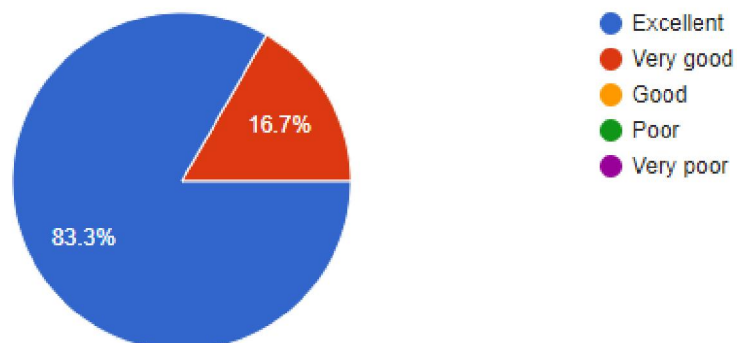
Practical exercises

6 responses



My expectations were met

6 responses



Evaluation of trainers

Quality of presentations

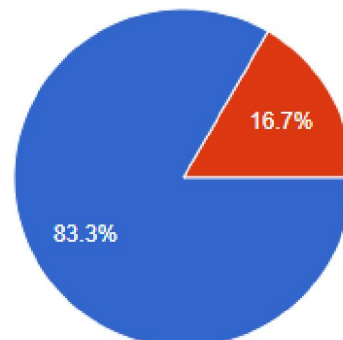
6 responses



- Excellent
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Quality of prepared material

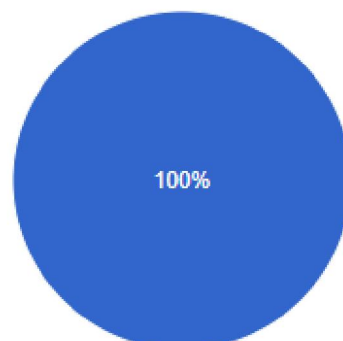
6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Enabling active participation of participants

6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Comments

This was an excellent training in all aspects. It completely matched my field of expertise and interests. Now, I am happy to know the colleagues from the University of Rijeka for potential teaching and research collaboration in the future.

Excellent

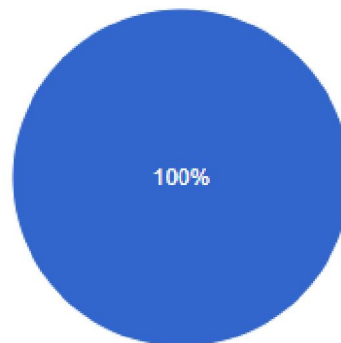
The Training was prepared at the highest level. In my personal opinion everything was at the maximum level. I am very satisfied with the Training and it will be very useful in my future work.

BOKU training

General organization of training

Relevance of the topic

7 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Usefulness of the acquired knowledge

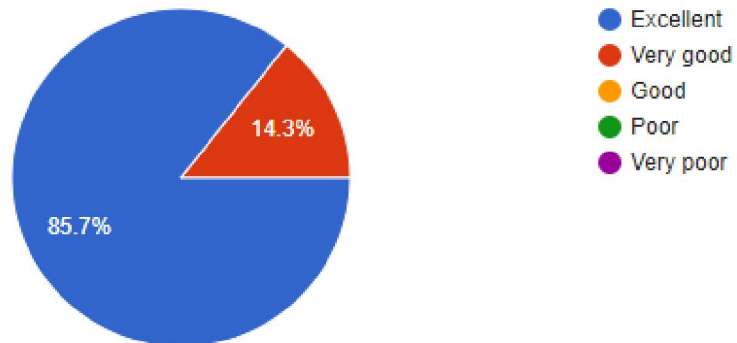
7 responses



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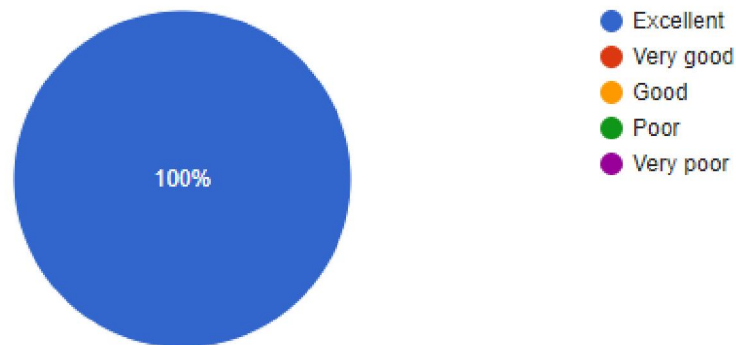
Rating of the methodology of working with participants

7 responses



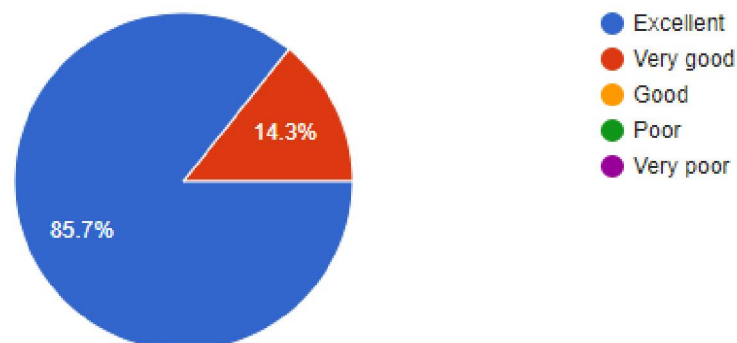
Rating of prepared training materials

7 responses



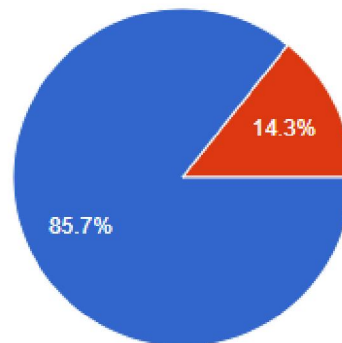
Rating organization

7 responses



Rating of working conditions

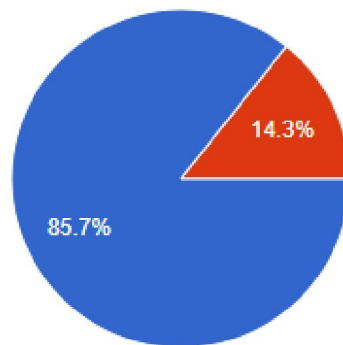
7 responses



- Excellent
- Very good
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Rating interactivity in training

7 responses



- Excellent
- Very good
- Good
- Poor
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Rating transferability of acquired knowledge

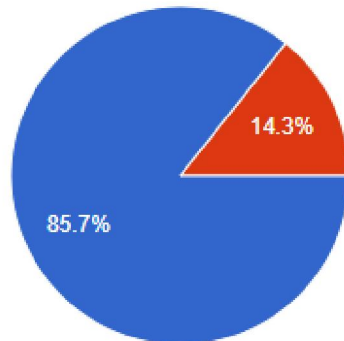
7 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Rating of satisfaction of participation in training

7 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Assessing the fulfilment of expectations regarding training

7 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

General participant expectations

Overall impression

7 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Scope of material

7 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Examples

7 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Practical exercises

7 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

My expectations were met

7 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Evaluation of trainers

Quality of presentations

7 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Quality of prepared material

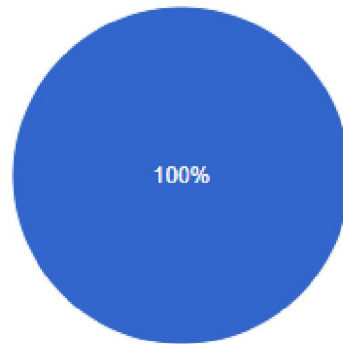
7 responses



- Excellent
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Enabling active participation of participants

7 responses



- Excellent
- Very good
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Comments

Excellent organisation of the training.

NMBU training

General organization of training

Relevance of the topic

3 responses



- Excellent
- Very good
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Usefulness of the acquired knowledge

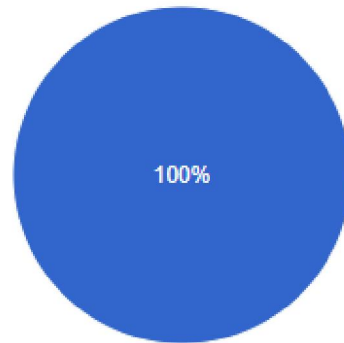
3 responses



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Rating of the methodology of working with participants

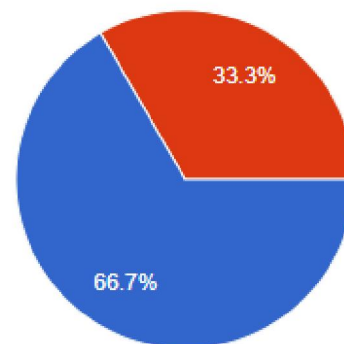
3 responses



- Excellent
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Rating of prepared training materials

3 responses



- Excellent
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- Poor
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Rating organization

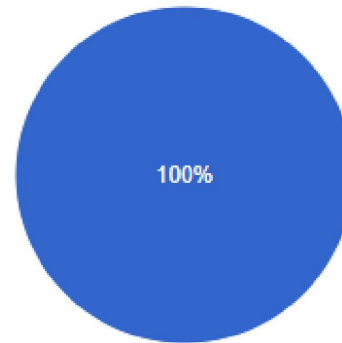
3 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Rating of working conditions

3 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Rating interactivity in training

3 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Rating transferability of acquired knowledge

3 responses



- Excellent
- Very good
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- Poor
- Very poor

Rating of satisfaction of participation in training

3 responses



- Excellent
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Assessing the fulfilment of expectations regarding training

3 responses



- Excellent
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General participant expectations

Overall impression

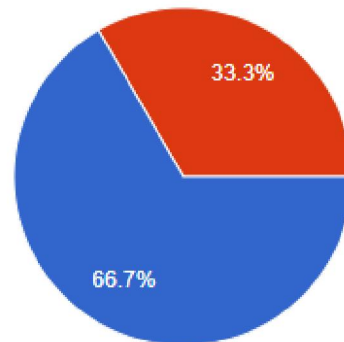
3 responses



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Scope of material

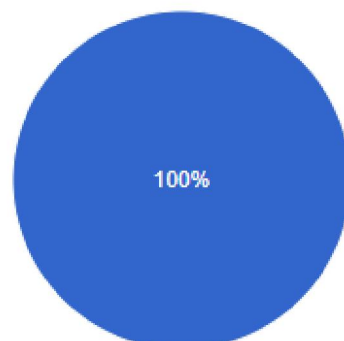
3 responses



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Examples

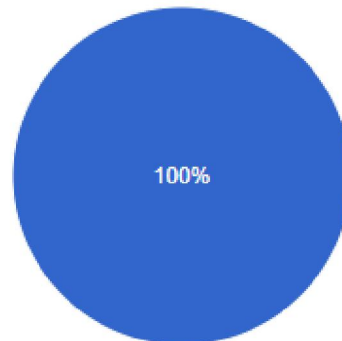
3 responses



- Excellent
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My expectations were met

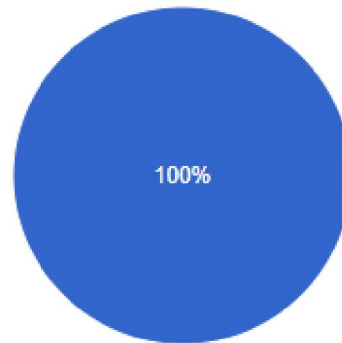
3 responses



- Excellent
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Practical exercises

3 responses

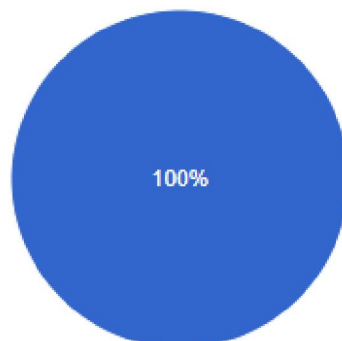


- Excellent
- Very good
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Evaluation of trainers

Quality of presentations

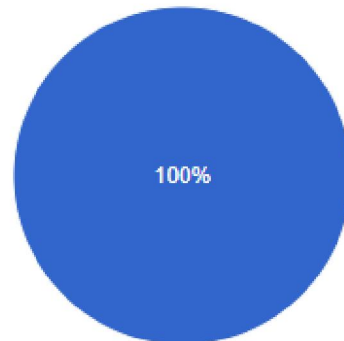
3 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Enabling active participation of participants

3 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Quality of prepared material

3 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Comments

This was an excellent training in all aspects. I am very satisfied to be a part of this training.

AUTh training

General organization of training

Relevance of the topic

5 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Usefulness of the acquired knowledge

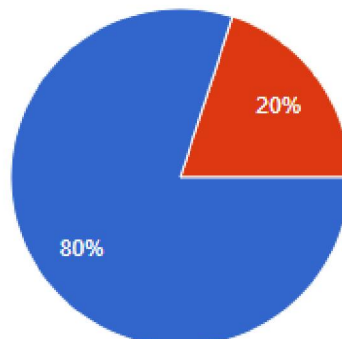
5 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Rating of the methodology of working with participants

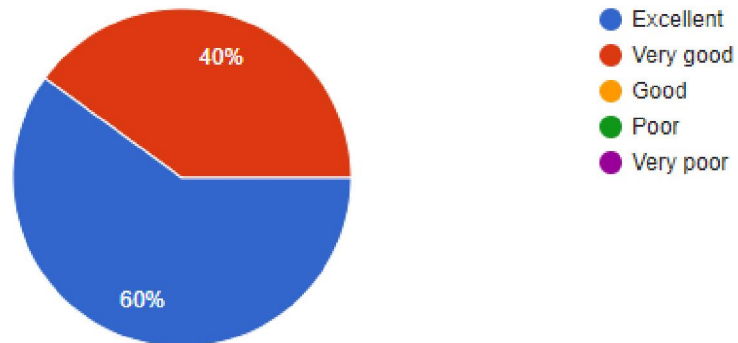
5 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

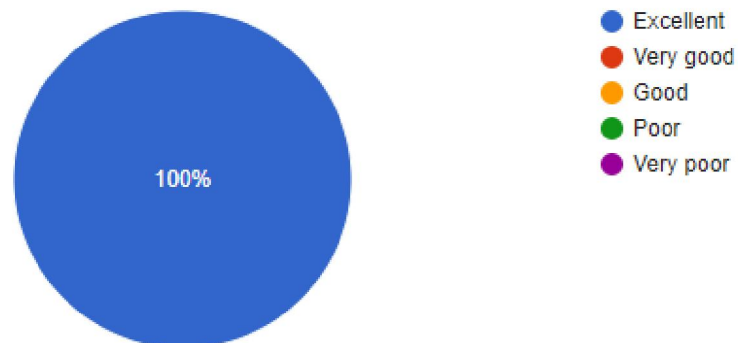
Rating of prepared training materials

5 responses



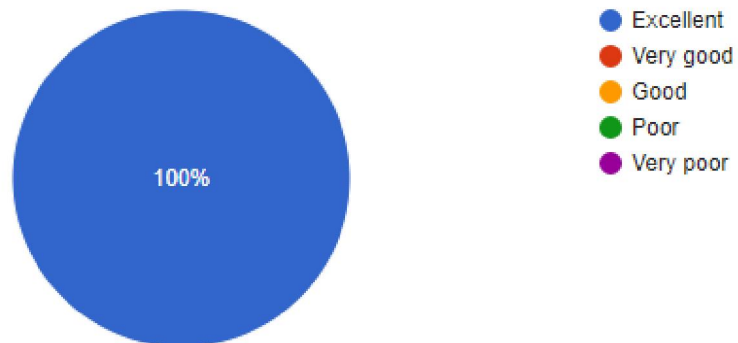
Rating organization

5 responses



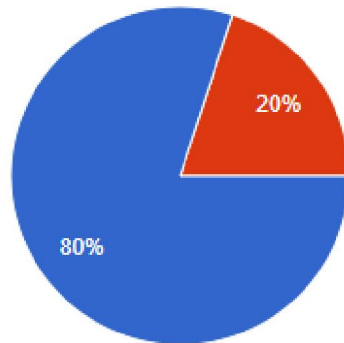
Rating of working conditions

5 responses



Rating interactivity in training

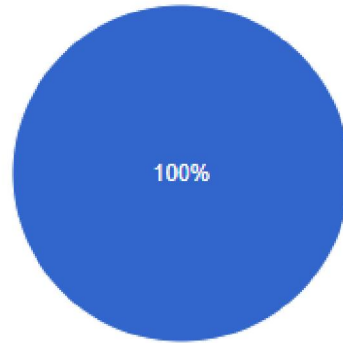
5 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Rating transferability of acquired knowledge

5 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Rating of satisfaction of participation in training

5 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Assessing the fulfilment of expectations regarding training

5 responses

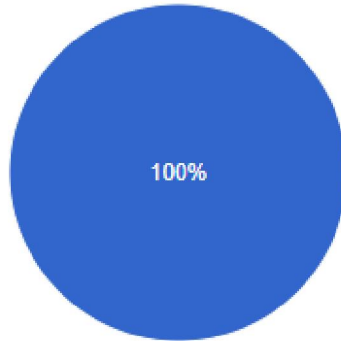


- Excellent
- Very good
- Good
- Poor
- Very poor

General participant expectations

Overall impression

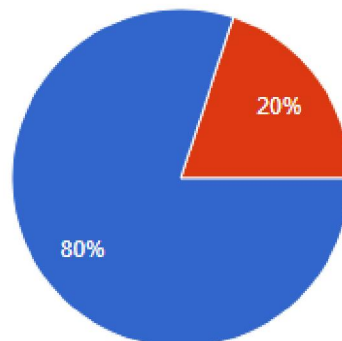
5 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Scope of material

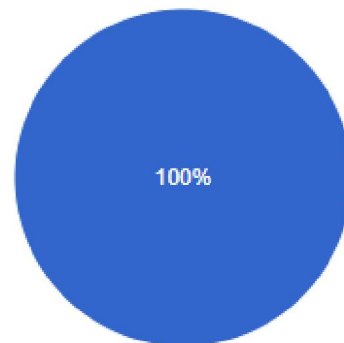
5 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Examples

5 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Practical exercises

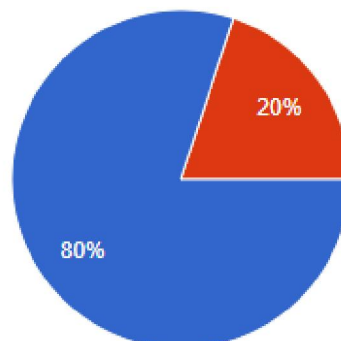
5 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

My expectations were met

5 responses

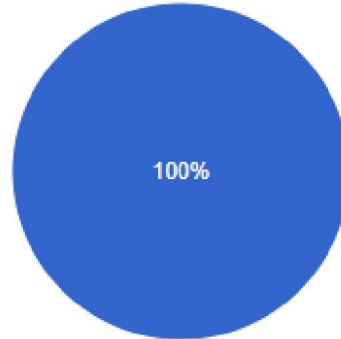


- Excellent
- Very good
- Good
- Poor
- Very poor

Evaluation of trainers

Quality of presentations

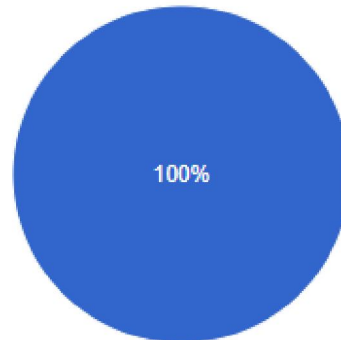
5 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Quality of prepared material

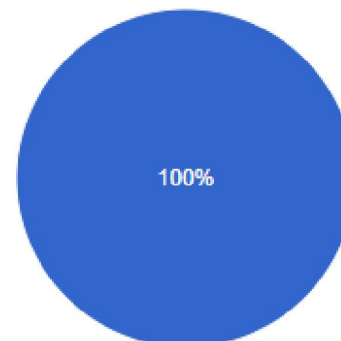
5 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Enabling active participation of participants

5 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Comments

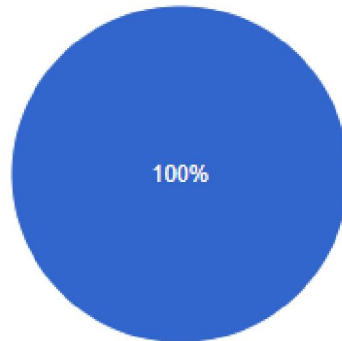
It was my pleasure to be a part of this training.

UL training

General organization of training

Relevance of the topic

6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Usefulness of the acquired knowledge

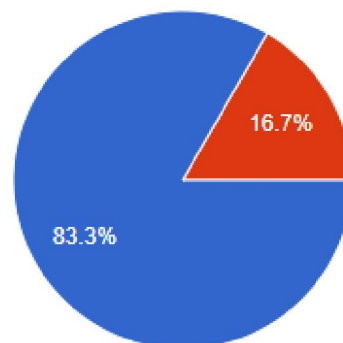
6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Rating of the methodology of working with participants

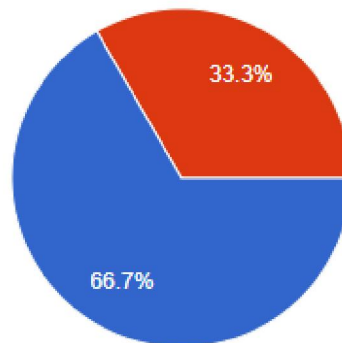
6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Rating of prepared training materials

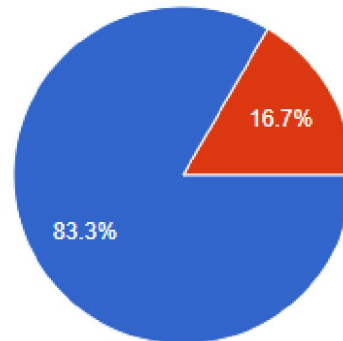
6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Rating organization

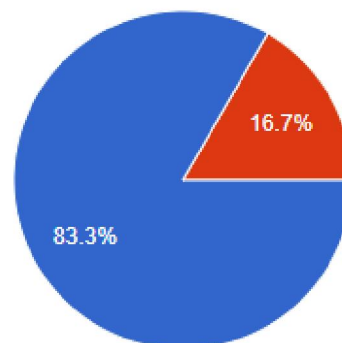
6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Rating of working conditions

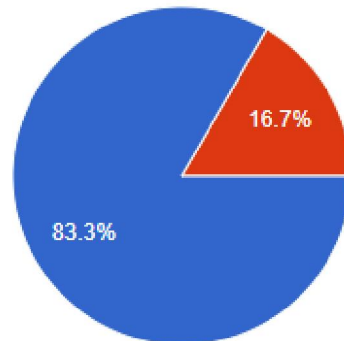
6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Rating interactivity in training

6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Rating transferability of acquired knowledge

6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Rating of satisfaction of participation in training

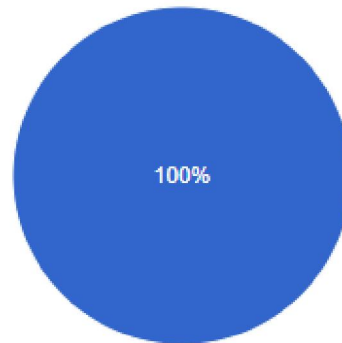
6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Assessing the fulfilment of expectations regarding training

6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

General participant expectations

Overall impression

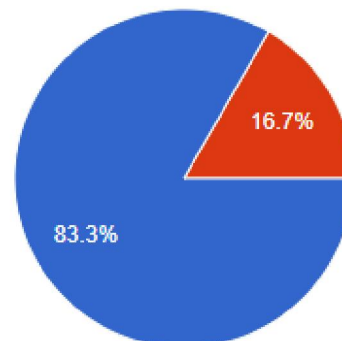
6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Scope of material

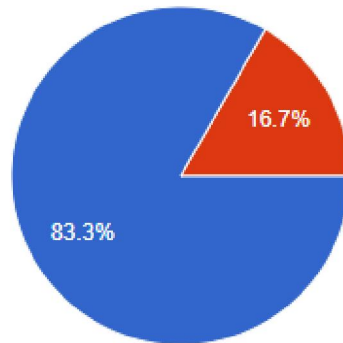
6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Examples

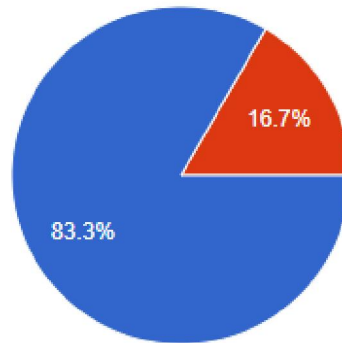
6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Practical exercises

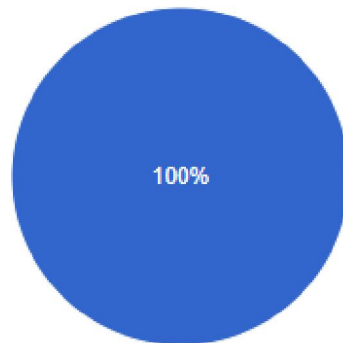
6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

My expectations were met

6 responses

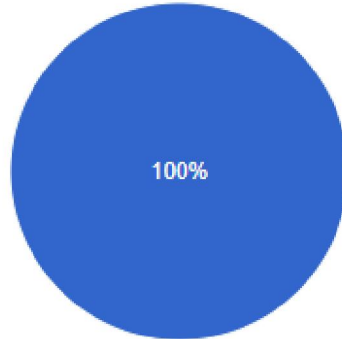


- Excellent
- Very good
- Good
- Poor
- Very poor

Evaluation of trainers

Quality of presentations

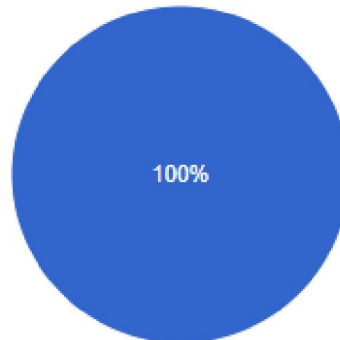
6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Quality of prepared material

6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Enabling active participation of participants

6 responses



- Excellent
- Very good
- Good
- Poor
- Very poor

Comments

Evaluation form



Training evaluation form - UACEG

Thank you for taking the time to complete this questionnaire. Your comments are important to us and provide us with valuable feedback on the quality of the new developed training material.

swarmuni@gmail.com [Switch account](#)



* Required

Email *

Your email

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



General organization of training

Relevance of the topic *

- Excellent
- Very good
- Good
- Poor
- Very poor

Usefulness of the acquired knowledge *

- Excellent
- Very good
- Good
- Poor
- Very poor

Rating of the methodology of working with participants *

- Excellent
- Very good
- Good
- Poor
- Very poor

Rating of prepared training materials *

- Excellent
- Very good
- Good
- Poor
- Very poor

Rating organization *

- Excellent
- Very good
- Good
- Poor
- Very poor

Rating of working conditions *

- Excellent
- Very good
- Good
- Poor
- Very poor

Rating interactivity in training *

- Excellent
- Very good
- Good
- Poor
- Very poor

Rating transferability of acquired knowledge *

- Excellent
- Very good
- Good
- Poor
- Very poor

Rating of satisfaction of participation in training *

- Excellent
- Very good
- Good
- Poor
- Very poor

Assessing the fulfilment of expectations regarding training *

- Excellent
- Very good
- Good
- Poor
- Very poor

General participant expectations**Overall impression ***

- Excellent
- Very good
- Good
- Poor
- Very poor

Scope of material *

- Excellent
- Very good
- Good
- Poor
- Very poor

Examples *

- Excellent
- Very good
- Good
- Poor
- Very poor

Practical exercises *

- Excellent
- Very good
- Good
- Poor
- Very poor

My expectations were met *

- Excellent
- Very good
- Good
- Poor
- Very poor

Evaluation of trainers

Quality of presentations *

- Excellent
- Very good
- Good
- Poor
- Very poor

Quality of prepared material *

- Excellent
- Very good
- Good
- Poor
- Very poor

Enabling active participation of participants *

- Excellent
- Very good
- Good
- Poor
- Very poor

Comment

Your answer _____

Training agendas

UACEG training

Monday, 28 th February 2022		
University of Architecture, Civil Engineering and Geodesy		
Welcome Session		
10:00-11:00	Welcome speech, presentation of University, Faculty	Petar Filkov
11:00-12:00	Presentation of the program of the Winter School	Yordan Gerinski
Lunch break		
13:00-16:00	Irrigation Systems and Drought Management	Yordan Gerinski

Tuesday, 01 st March 2022		
University of Architecture, Civil Engineering and Geodesy		
10:00-12:00	Investments in irrigation infrastructure	Yordan Gerinski
Lunch break		
14:00-16:00	Determining Potential Water Savings due to investments	Yordan Gerinski

Wednesday, 02 nd March 2022		
University of Architecture, Civil Engineering and Geodesy		
10:00-12:00	Water management optimization problems	Petar Filkov
Lunch break		
14:00-16:00	Multicriteria analysis – an Example for Prioritization of Investments in Irrigation Infrastructure	Petar Filkov

Thursday, 03 rd March 2022		
University of Architecture, Civil Engineering and Geodesy		
10:00-12:00	Bulgarian Strategy for Management and Development of Hydro-melioration and Protection Against Harmful Effects of Water – Implementation Issues	Petar Filkov
Lunch break		
14:00-16:00	Experience of UACEG in organizing summer schools for students from India	Petar Filkov, Yordan Gerinski

Friday, 04 th March 2022		
University of Architecture, Civil Engineering and Geodesy		
Wrap-up		
10:00-12:00	Laboratory visits	Yordan Gerinski
12:00-14:00	Conclusion, evaluation	Petar Filkov, Yordan Gerinski

UNIRIFCE training

Monday, 21 st March 2022		
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE)		
Welcome Session		
10:00-10:15	Welcome speech	Mladen Bulić, UNIRIFCE dean
10:15-11:15	Presentation of University, Faculty, study programmes...	Barbara Karleuša
11:15-12:00	Presentation of the program of the Winter School	Barbara Karleuša
Lunch break		
13:00-16:00	Presentation and exchange of good practices in teaching: e-learning, students' work assessment, plagiarism detection ...	Barbara Karleuša

Tuesday, 22 nd March 2022		
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE)		
10:00-12:00	Presenting of the QA system at the UNIRIFCE	Barbara Karleuša
Lunch break		
14:00-16:00	GIS in water management	Bojana Horvat

Wednesday, 23 rd March 2022		
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE) and field visit to beaches in the surrounding area		
10:00-12:00	Urban flood analysis and mapping – UNIRIFCE	Nino Krvavica
Lunch break		
14:00-16:00	Monitoring of beaches - Field visit	Duje Kalajžić

Thursday, 24 th March 2022		
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE)		
10:00-12:00	Visit to laboratories	Igor Ružić, Elvis Žic, Nevenka Ožanić
Lunch break		
14:00-16:00	Remote sensing in water balance	Bojana Horvat

Friday, 25 th March 2022		
University of Rijeka, Faculty of Civil Engineering (UNIRIFCE)		
Wrap-up		
10:00-12:00	Multi-criteria analysis in water management	Barbara Karleuša
12:00-14:00	Conclusion, evaluation	Barbara Karleuša

BOKU training

Monday, 21 st March 2022		
University of Natural resources and Life Sciences, Vienna		
Welcome Session		
10:00-11:00	Health-and-safety concept Welcome speech, presentation of University, Department and Institute	Daniel Wildt
11:00-12:00	Presentation of the program of the Training	Daniel Wildt
Hands-on teaching methods in hydrodynamics		
13:00-14:45	The Sandoz/Rhine accident 1986	Daniel Wildt
15:15-17:00	Heat and mass transport in free-surface water bodies	Daniel Wildt

Tuesday, 22 nd March 2022		
University of Natural resources and Life Sciences, Vienna		
E-Learning		
09:00-12:00	E-Learning tools	Daniel Wildt
Afternoon – R/Exams		
14:00-16:00	Automated exam creation and evaluation	Daniel Wildt

Wednesday, 23 rd March 2022		
University of Natural resources and Life Sciences, Vienna		
R/Exams: installation		
10:00-12:00	Installation R/Exmas	Daniel Wildt
R/Exams: question definition		
14:00-16:00	Definition of exams questions using R/Exams	Daniel Wildt

Thursday, 24 th March 2022		
University of Natural resources and Life Sciences, Vienna		
R/Exams: exams on paper		
09:00-12:00	Preparation of exams on paper using R/Exmas	Daniel Wildt
R/Exams: online exams		
14:00-16:00	Preparation of online exams using R/Exmas	Daniel Wildt

Friday, 25 th March 2022		
University of Natural resources and Life Sciences, Vienna		
Wrap-up		
10:00-13:00	Conclusion, evaluation	Daniel Wildt

NMBU training

Monday, 4 th April 2022		
Norwegian University of Life Sciences		
08:55	Pick up in Oslo by Agnieszka	
10:00-12:00	Welcome coffee, introduction to NMBU, agenda discussion	WH team
	Presentations of visiting and hosting research groups	WH team
	Research co-programming by Joint Strategic Research Agenda	Zakhar Maletskyi
12:00-13:00	Lunch with WH team & campus tour	
13:00-14:15	How to write a successful MSCA proposal	Agnieszka Cuprys
14:15-15:30	Active learning and teaching practice at NMBU	Sigrid Gjølterud

Tuesday, 5 th April 2022		
Norwegian University of Life Sciences		
09:00	Pick up in Oslo by Harsha	
09:00-12:00	Field trip to a wastewater treatment plant	Harsha Ratnaweera
12:00-13:00	Lunch in Vestby	
13:00-14:00	Implementing Open Research Data	Svanbjörg Dora Asudottir
14:00-15:00	Good practices of supporting academic writing	Niklas Mintorovitch

Wednesday, 6 th April 2022		
Norwegian University of Life Sciences		
10:00-11:00	How to support the success of a research group: good practices of coordination in collaborative projects	Susann Andersen
11:00-12:00	Building university support for external research funding	Per Ivar Høvring
12:00-13:00	Lunch	
13:00-14:00	Digital water and process analytics in the water sector	Harsha Ratnaweera, Goitom Weldehawaryat
14:00-15:30	Strengthening the international outlook of a research group. Collaborative Online International Learning and Virtual Exchanges. Facilitating knowledge transfer	Harsha Ratnaweera
18:00	Networking dinner with WH team	

Thursday, 7 th April 2022		
Norwegian University of Life Sciences		
10:00-12:00	Removal of particles and phosphates	Lars Hem
12:00-13:00	Lunch	
13:00-14:00	How to set up and run a successful water lab	Lena Okسدøl Foseid, Agnieszka Cuprys
14:00-15:00	Towards gender equality, diversity, and inclusion on	Susann Andersen

	university level	
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Friday, 8 th April 2022		
Norwegian University of Life Sciences		
10:00-12:00	Removal of organic matter and nutrients	Lars Hem
12:00-13:00	Lunch	
13:00-14:00	Concluding discussion and planning of joint SWARM activities	Zakhar Maletskyi

AUTH training

Monday, 11 th April 2022		
Department of Civil Engineering, Aristotle University of Thessaloniki (AUTH)		
Welcome Session		
10:00-11:00	Welcome speech, presentation of University, Faculty	Panagiotis Prinos
11:00-12:00	Presentation of the program of the Winter School	Panagiotis Prinos
Lunch break		
14:00-16:00	Presentation and exchange of good practices in teaching: e-learning, students' work assessment, plagiarism detection ...	Panagiotis Prinos

Tuesday, 12 th April 2022		
Department of Civil Engineering, Aristotle University of Thessaloniki (AUTH)		
10:00-12:00	Visit to laboratories	Panagiotis Prinos
Lunch break		
14:00-16:00	Networking with teaching stuff of the Civil Engineering Department	Panagiotis Prinos

Wednesday, 13 th April 2022		
Department of Civil Engineering, Aristotle University of Thessaloniki (AUTH)		
10:00-12:00	Presentation of the UNESCO Category II Center on Integrated and Multidisciplinary Water Resources Management	Elpida Kolokytha
Lunch break		
14:00-16:00	Networking with teaching staff members of UNESCO Category II Center	Elpida Kolokytha

Thursday, 14 th April 2022		
Department of Civil Engineering, Aristotle University of Thessaloniki (AUTH)		
10:00-12:00	Climate change and water resources management	Charalampos Skoulikaris
Lunch break		
14:00-16:00	GIS and water resources management	Charalampos Skoulikaris

Friday, 15 th April 2022		
Department of Civil Engineering, Aristotle University of Thessaloniki (AUTH)		
Wrap-up		
10:00-13:00	Conclusion, evaluation	Panagiotis Prinos

UL training

Monday, 18 th April 2022		
Instituto Superior Técnico, Lisboa, Portugal		
10:00-11:00	Welcome	Maria Manuela Portela
11:00-12:00	Hydrological extreme events analysis: annual maximum series versus partial duration series	Maria Manuela Portela
Lunch break		
14:00-16:00	Group discussions	Maria Manuela Portela

Tuesday, 19 th April 2022		
Instituto Superior Técnico, Lisboa, Portugal		
10:00-12:00	Practical challenges of large hydropower	José Pedro Matos
Lunch break		
14:00-16:00	Visit to the laboratories	Maria Manuela Portela

Wednesday, 20 th April 2022		
Instituto Superior Técnico, Lisboa, Portugal		
10:00-12:00	I am going to make a PowerPoint and an oral presentation	Maria Manuela Portela
Lunch break		
14:00-16:00	Rainfall trends assessment – the Portuguese case study	Maria Manuela Portela

Thursday, 21 st April 2022		
Instituto Superior Técnico, Lisboa, Portugal		
10:00-12:00	Integrated river basin modelling	Rodrigo Oliveira
Lunch break		
14:00-16:00	Group discussions	Maria Manuela Portela

Friday, 22 nd April 2022		
Instituto Superior Técnico, Lisboa, Portugal		
10:00-12:00	Grid-Point Rainfall Trends, Teleconnections, and Regionalised Droughts	Luis Angel Espinosa
12:00-13:00	Closing session	Luis Angel Espinosa