

AGENDA

ECOBias training in FRESHWATER ECOLOGY (Ekologija kopnenih voda)

28th to 30th September 2021, University of Tuzla

Lecturer: Dušanka Cvijanović P1 UNS, Đurađ Milošević P2 UNI, Milica Stojković-Piperac P2 UNI, Marko Miliša P3 UNIZG

Tuesday 28.09.2021.	ECOBias training 28-30.09.2021. University of Tuzla, Bosnia and Herzegovina
08:00-08:15	Trainings Day 1 participants registration and login
08:15-09:45	Freshwater ecology -introduction
15:30-19:00	Freshwater ecology -field sampling and field protocols

Wednesday 29.09.2021.	ECOBias training 28-30.09.2021. University of Tuzla, Bosnia and Herezegovina
08:00-08:15	Trainings Day 2 participants registration and login
08:15-09:45	Freshwater ecology -lentic ecosystems
17:00-18:30	Freshwater ecology -aquatic communities
18:30-18:50	Coffee break
18:50-20:00	Freshwater ecology -aquatic communities, metacommunity concept

Thursday 30.09.2021.	ECOBias training 28-30.09.2021. University of Tuzla, Bosnia and Herezegovina
16:45-17:00	Trainings Day 3 participants registration and login
17:00-19:00	Freshwater ecology -metacommunity concept
19:00-19:20	Coffee break



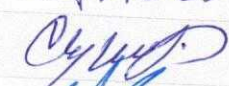

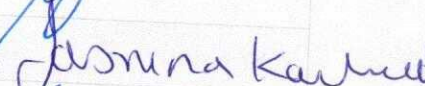
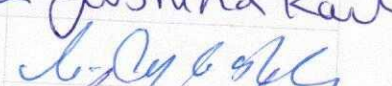
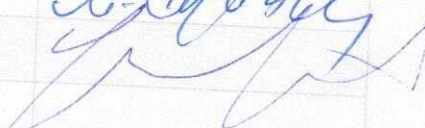
19:20-21:00

Freshwater ecology -learning materials presentation



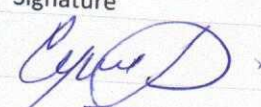

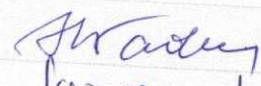
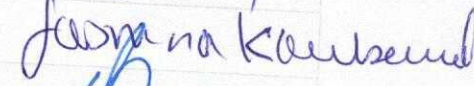

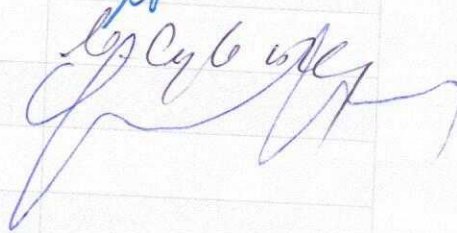
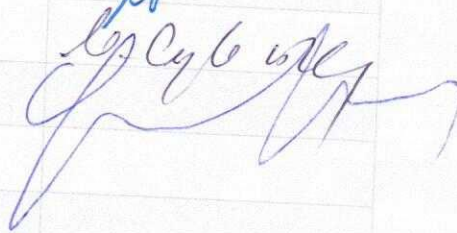
Annex1. Attendance List

Event	Training in the course Freshwater ecology
Venue	Faculty of Natural Sciences and Mathematics, Urfeta Vejzagića 4, 75 000 Tuzla, Bosnia and Herzegovina, Classroom 214
Date	28 th September 2021
Organiser(s)	P8 University of Tuzla

No	Name and Surname	Institution	Signature
1.	ELVINA ?	PMF-UNTZ	
2.	ARDEL ADROVIC	PMF, UNTZ	
3.	Jasmina Cvitanovic	PMF, UNS	
4.	HARRO MILISA	PMF - UNI ZG	
5.	Jasmina Kamberovic	PMF-UNTZ	
6.	Lilica Stojković Pijerac	UNI	
7.	DULKA MILOŠEVIĆ	UNI	

Annex1. Attendance List

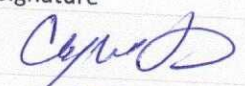
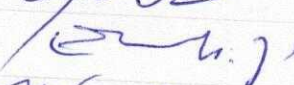

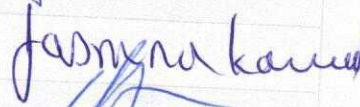

Event	Training in the course Freshwater ecology
Venue	Faculty of Natural Sciences and Mathematics, Urfeta Vejzagića 4, 75 000 Tuzla, Bosnia and Herzegovina, Classroom 214
Date	29 th September 2021
Organiser(s)	P8 University of Tuzla

No	Name and Surname	Institution	Signature
1.	ĐISTOKA ČIŽMANIĆ	PMF, UAS	
2.	ELVIRA U. 7.	PMF, UAS	
3.	AVDUL ADROVIĆ	PMF, UNTZ	
4.	Jasmina Kamburid	PMF, UNIZ	
5.	MARCO MILIJA	PMF UNIZG	
6.	Lilica Stojković Piperac	UNI	
7.	Đurađ Urošević	UNI	

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Annex1. Attendance List

Event	Training in the course Freshwater ecology
Venue	Faculty of Natural Sciences and Mathematics, Urfeta Vejzagića 4, 75 000 Tuzla, Bosnia and Herzegovina, Classroom 214
Date	30 th September 2021
Organiser(s)	P8 University of Tuzla

No	Name and Surname	Institution	Signature
1.	DUSANKA ČIŠTANović	PMF, UNS	
2.	ELVIKA U. J.	PMF, TZ	
3.	AVDUIC ADROVIĆ	PMF, UNTZ	
4.	Jasmina Kaulbenand	PMF, UNTZ	
5.	MARCO MILIĆA	PMF UNI 29	

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Annex 4. Summary of the Participant Feedback Form for Training (to be filled by host institution)

Part 1: Training in the course Freshwater Ecology

Date 28th, 29th and 30th September 2022

Place: Faculty of Natural Sciences and Mathematics, University of Tuzla, Urfeta Vejzagića 4, 75 000 Tuzla, Bosnia and Herzegovina, Classroom 214, Laboratory 51, Field Modrac

Training objective: To provide the essential knowledge of the chemical and physical properties of water to advanced unifying concepts of the community ecology and ecosystem relationships as found in continental waters.

Evaluator name: Jasmina Kamberović

Signature Jasmina Kamberović

Evaluator affiliation P8 University of Tuzla

Part 2: Organization and Structure

Organizational feature	3 Strongly Agree	2 Agree	1 Disagree	0 Strongly Disagree
The objectives of the training were clearly defined	5x3 =15			
Information related to each item prepared well in advance of the training	5x3 =15			
The material distributed were helpful and on time	5x3 =15			
The presentations met my expectation	5x3 =15			
Participation and interactions were encouraged by moderator	5x3 =15			
The training objectives were met	5x3 =15			
I will be able to apply the training's content in my future work	5x3 =15			
The training content was challenging enough	5x3 =15			
The timeframe was adequate	5x3 =15			
The facilities were adequate	5x3 =15			
Skill practice sessions were included	5x3 =15			
Suggestion and criticism box (please specify)				
	165			Total: 165
	100%			

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Annex 10. EVENT REPORT

Title of document	Event report of the training Freshwater Ecology
Work Package	Development
Last version date	(4/10/21)
Status	xDraft Final
Document version	v.01
File name	Task 2.4. Course 6_Freshwater Ecology
Number of pages	4
Dissemination Level	Internal

VERSIONING AND CONTRIBUTION HISTORY

Version	Date	Revision Description	Partner Responsible
v.01	4/10/21	First draft	P8 UNTZ

LIST OF ABBREVIATIONS

P8 - University of Tuzla

P7 – International University of Travnik

Purpose, objectives and elements of event

This course is designed to provide the essential knowledge of the chemical and physical properties of water to advanced unifying concepts of the community ecology and ecosystem relationships as found in continental waters. Participants will be able to understand elementary principles of hydromorphology and hydrogeochemistry of fundamental importance for the distribution and abundance of aquatic organisms, using holistic approach of freshwater assessment, developing skills in both field protocols and laboratory methods in freshwater ecology. The training took place in a hybrid manner. For participants from P8, teachers held lectures with a practical session, while participants from P7 institution followed the course online.

LIST OF PARTICIPANTS

1. Dušanka Cvijanović
2. Marko Miliša
3. Djuradj Milošević
4. Milica Stojković Piperac
5. Jasmina Kamberović
6. Avdul Adrović
7. Elvira Hadžiahmetović Jurida

Online participants:

1. Bojan Damnjanović
2. Nedžada Tolja

Date of the 1st day

28th September 2021

Freshwater ecology -introduction, Freshwater ecology -field sampling and field protocols.

Date of the 2nd day

29th September 2021

Freshwater ecology -lentic ecosystems, Freshwater ecology -aquatic communities, Freshwater ecology -aquatic communities, metacommunity concept.

Date of the 3rd day

30th September 2021

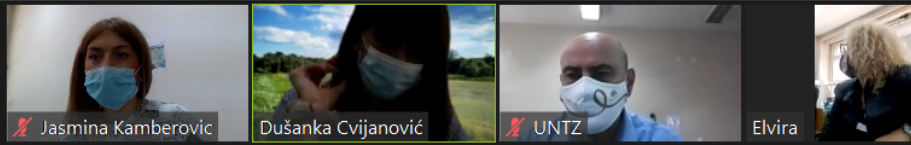
Freshwater ecology -metacommunity concept, Freshwater ecology -learning materials presentation

CONCLUSIONS

The training was successful and resulted in the interaction of lecturers and participants on the topic of sharing experiences in transferring knowledge in freshwater ecology. Teachers presented textbook and basic units. The training was rated with highest grade by the participants.

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AutoSave On ECOBIAS-Makrofite training - Saved Search Share Comments

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Two gravel pit types should be excavated within the single extraction area

I Type

≤ 100 m

A = 1 000 m²
Z_r > 5 %

II Type

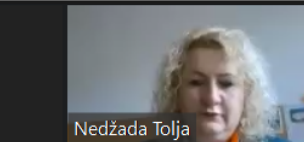
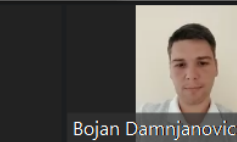
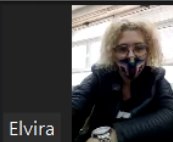
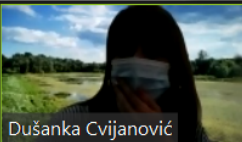
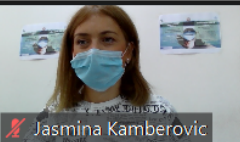
≈ 300 m

A = 10 000 – 20 000 m²
Z_r ≤ 5 %

Z_{max} = 3 - 4 m

Suitable for stonewort species

Suitable for vegetation of typical eutrophic lowland floodplain



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Two gravel pit types should be excavated within the single extraction area

I Type

- Distance: $\leq 100\text{ m}$
- Area: $A = 1\ 000\text{ m}^2$
- Depth: $Z_r > 5\%$
- Suitable for stonewort species

II Type

- Area: $A = 10\ 000 - 20\ 000\text{ m}^2$
- Depth: $Z_r \leq 5\%$
- Maximum depth: $Z_{max} = 3 - 4\text{ m}$
- Suitable for vegetation of typical eutrophic lowland floodplain



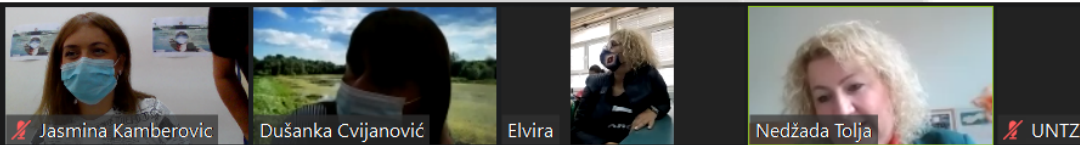
Bojan Damnjanić
Bojan Damnjanić

Microsoft Word ribbon: File, Home, Insert, Draw, Design, Transitions, Animations, Slide Show, Review, View, Recording, Help, EndNote X7, ACROBAT. Includes icons for Paste, Cut, Copy, Format Painter, New Slide, Reuse Slides, Section, Font, Paragraph, Drawing, Editing, Voice, and Designer.

Slide navigation pane showing thumbnails for slides 68 through 73. Slide 68 is highlighted with a red border.

Due to time and cost consuming of fieldwork, freshwater habitats in these wetlands were neglected in the routine monitoring programs

By focusing the detailed monitoring actions on pre-selected freshwater patches, available conservation funds may be oriented in the most effective way.



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Clipboard Slides Font Paragraph Drawing Editing Voice Designer

91 Submerged flow- and dissected leaved (ring if stonewort) (S) [Image]

92 [Table]

93 [Table]

94 [Table]

95 [Table]

96 [Table]

Due to time and cost consuming of fieldwork, freshwater habitats in these wetlands were neglected in the routine monitoring programs

By focusing the detailed monitoring actions on pre-selected freshwater patches, available conservation funds may be oriented in the most effective way.

NEW Drag and drop to reorder videos

Participants (8)

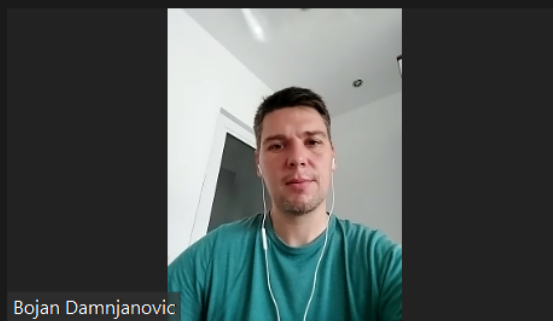
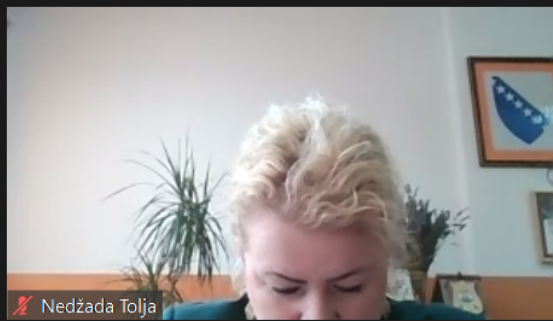
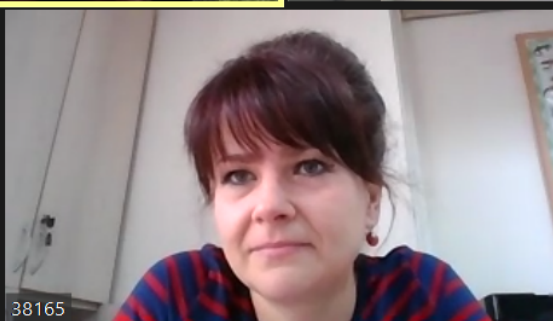
Find a participant

- JK Jasmina Kamberovic (Host, me)
- 3 38165
- D djura
- DC Dušanka Cvijanović
- L LJUDEVIT
- BD Bojan Damnjanovic
- EH Elvira Hadziahmetovic Jurida
- NT Nedžada Tolja

You can now send non-verbal feedback ("yes", "slow down", etc.) from "Reactions" on the toolbar.

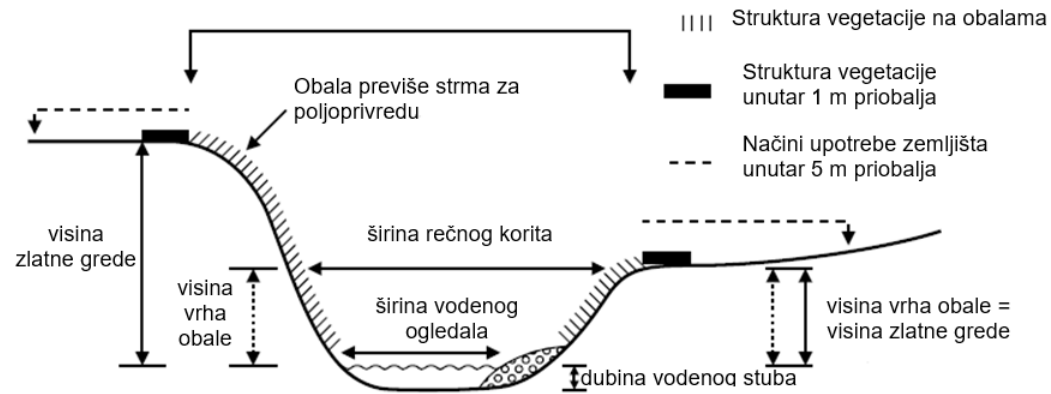
Invite Mute All

End



Mute Stop Video Security Participants 8 Chat Share Screen Record Support Reactions Apps

Dimenzije rečnog korita (Odeljak L)



Šema 10. Presek rečnog korita – daje objašnjenja koje se koriste za definisanje lokaliteta i mesta za merenje

Mesta za lokalitet se bira na viedraženoj sekciji rečnog toka. Najbolje je meriti dimenzije na ravni

Video call participants:

- Jasmina Kamberovic
- Elvira Hadziahmetović Jurida
- Nedžada Tolja
- Bojan Damjanovic
- Avdul Adrović