

AGENDA

ECOBIAS Roundtable 09th of Juny 2022/Okrugli sto 09.06.2022.g.

Venue/Mjesto održavanja:

Mladena Stojanovića 2, 78000 Banja Luka, Bosnia and Herzegovina, Faculty of Science and Mathematics/ Prirodno-matematički fakultet

Moderators/Moderatori: Svjetlana Lolić

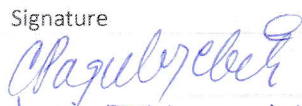



Thursday, 09th Juny 2022/četvrtak, 09.06.2022.g.

Roundtable, Faculty of Natural Sciences and Mathematics, University of Banja Luka/Okrugli sto, Prirodno-matematički fakultet, Univerzitet u Banjoj Luci Shortcomings of existing water monitoring in Republic of Srpska /Nedostaci postojećeg monitoringa voda u Republici Srpskoj	
12:00-12:30	Registration ID/Registracija učesnika
12:30-12:45	Uvodne riječi: prof.dr. Svjetlana Lolić, koordinator ispred Prirodno-matematičkog fakulteta UNIBL Značaj ERASMUS ECOBIAS projekta za Univerzitet u Banjoj Luci Introduction by Professor Svjetlana Lolić, project coordinator for UNIBL The Importance of the ERASMUS ECOBIAS Project for the University of Banja Luka
12:45-13:15	Biološki aspekti monitoringa površinskih voda/ Biological aspects of surface water monitoring Nataša Mazalica, Institut za javno zdravstvo Banja Luka/Public health department in Banja Luka
13:15-13:45	Monitoring površinskih voda – iskustva i problemi/ Surface water monitoring- experiences and problems Slavica Trivunić, Master institut Banja Luka/Master Institute Banja Luka
13.45-14:00	Kafe pauza/Cofee break
14:00-14:30	Studije uticaja na životnu sredinu – monitoring u teoriji i praksi/ Environmental impact assessment study- monitoring in theory and practice Jelena Vučenović, Institut za građevinarstvo „IG“/Environmental Protection Center Civil Engineering Institute

14:30-15:00	Pregled dosadašnjeg naučno-istraživačkog rada o vodnim ekosistemima na Prirodno-matematičkom fakultetu Univerziteta u Banjoj Luci/Review of Research on Aquatic Ecosystems at the Faculty of Sciences and Mathematics University of Banja Luka Prof. dr Svjetlana Lolić, Prof. dr Maja Manojlović, Sanja Karajlić
15:00-16:00	Diskusija i zaključci/Discussion and Conclusions

Annex1. Attendance List

Event	ECOBIAS Round table
Venue	Mladena Stojanovića 2, Faculty of Sciences and Mathematics, Banja Luka
Date	9th Juny 2022
Organiser(s)	University of Banja Luka, Faculty of Sciences and Mathematics

No	Name and Surname	Institution	Signature
1	Sladana Radivojević	leif.	
2	Janja Todorović	Master Institut	Janja Todorović
3	Slavica Trivunić	Master Institut	Trivunić
4	Marija Kuburić	Medicinska škola	M Kuburić
5	MILICA KONČAR	CENTAR ZA ŽIVOTNO SREĆE	Milica Končar
6	Maja Ispukobac	Source-Consulting BL	Ispukobac M.
7	JELENA VUČENOVIĆ	INSTITUT ZA GRAĐEVINARSTVO „19”	Vučenović
8	Jaja Kalyković	PMF	
9	SJETAJANA LOUČIĆ	PMF, UNIBL	Loučić Seta
10	PAJKO POBUT	PMF, UNIBL INSTITUT ZA TEMATIČKO	
11	MAJA MAROŠLOVIĆ	PMF, UNIBL	
12	SANJA KARAJIĆ	PMF, UNIBL	Karajić Sanja

Annex 7. Summary of the Participant Feedback Form for Round Table (to be filled by host institution)


Part 1: Round Table Information

Date: 09th Juny 2022.

Place Faculty of Science and Mathematics, Mladena Stojanovića 2, Banja Luka

Event objective ECOBIAS Roundtable: Shortcomings of existing water monitoring in Republic of Srpska

Evaluator name Svjetlana Lolić

Signature 

Evaluator Affiliation Coordinator, University of Banja Luka

Results to be filled by organisers based on the questionnaire results.

Please note: insert only the overall percentage of all feedback forms received (e.g. participants total number = 30; 15 of them were most satisfied and 15 of them satisfied – please include 50% in the column most satisfied and 50% in the column satisfied.)

Part 2: Organization and Structure

Organizational feature	3 Strongly Agree	2 Agree	1 Disagree	0 Strongly Disagree
The objectives of the event were clearly defined	100%			
Information related to each item prepared well in advance of the event	100%			
The material distributed were helpful and on time	100%			
The presentations meet my expectation	100%			
Participations and interaction were encouraged by moderator	100%			
The Round Table objectives were met	100%			
The timeframe was adequate	100%			
The facilities were adequate	100%			
Skill practice sessions were included	83.3%	16.7%		
Suggestion and criticism box (please include comments received)	• •			
	98.1%	1.9%		Total

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Annex 10. EVENT REPORT

Title of document	The Second Round Table at UNIBL: Shortcomings of existing water monitoring in Republic of Srpska
Work Package	Dissemination WP 5.5
Last version date	15/07/22
Status	Draft x Final
Document version	v.01
File name	Task 5.5. Event Report for the Second Round Table at UNIBL
Number of pages	11
Dissemination Level	internal

VERSIONING AND CONTRIBUTION HISTORY

Version	Date	Revision Description	Partner Responsible
v.01	15/17/22	Final	P10 UNIBL

LIST OF ABBREVIATIONS

UNIBL P10 – University of Banja Luka

Purpose, objectives and elements of event

The main objective of the Round Table was to target shortcomings of existing monitoring and to point out real problems encountered in laboratories and in the field. The main idea is to improve cooperation between scientific community and stakeholders from the real sector for the purpose of solving real problems faced by institutions accredited for monitoring.

Representatives of Faculty of Sciences and Mathematics University of Banja Luka presented the activities they perform in the field of monitoring and some results of previous research, and representatives of several institutions (Public Health Institute, Master Institute, Environmental Protection Center Civil Engineering Institute) presented their activities. The shortcomings of the existing legislation and the ways in which the existing shortcomings can be overcome were discussed, as well as the real problems they face on the ground.

Another purpose of the Round Table was to introduce Life Long Learning courses to stakeholders.

LIST OF PARTICIPANTS

The Round Table moderator was Svjetlana Lolić – Faculty of Natural Sciences and Mathematics, University of Banja Luka.

Participants of Round Table:

1. Slavica Trivunić – Master Institute Banja Luka
2. Marina Kuburić – Medical high school Banja Luka
3. Milica Končar – Environmental Protection Center
4. Rajko Roljić – Institute of Genetic Resources
5. Nataša Mazalica – Public Health Institute of Republic of Srpska
6. Tanja Maksimović - Faculty of Natural Sciences and Mathematics
7. Sanja Karajlić - Faculty of Natural Sciences and Mathematics
8. Maja Manojlović - Faculty of Natural Sciences and Mathematics
9. Svjetlana Lolić - Faculty of Natural Sciences and Mathematics
10. Jelena Vučenović – Civil Engineering Institute – IG
11. Slađana Radivojević – I.E.I.T. Banja Luka
12. Janja Todorović - Master Institute Banja Luka

Date of the 1st day

09th of Juny 2022

CONCLUSIONS

The Round Table was attended by 12 participants from institutions responsible for monitoring of water, including water for public distribution. Both sides expressed interest in working together.

Deficiencies of the currently used methodology for determining environmentally acceptable flow are identified and suggestions for its modification are given. The problems that arise when determining the physical and chemical parameters of water quality in heavily turbid waters are highlighted. Representatives of different laboratories shared their experiences on how some of these issues can be resolved. As one of the pressing issues, the complete lack of a methodology for

determining water quality based on some biological parameters such as fish and macrophytes, which are binding according to the Water Framework Directive, was highlighted.

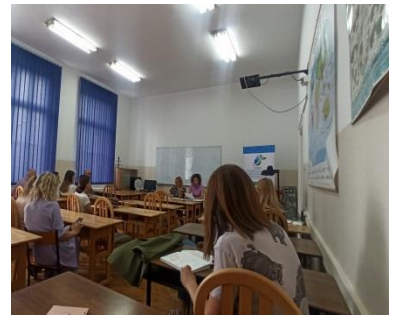
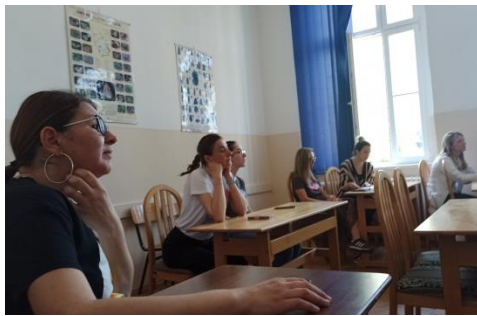
It was pointed out that it is necessary to speed up the process of adjusting the legislation in order to harmonize it with the Water Framework Directive of the European Union.

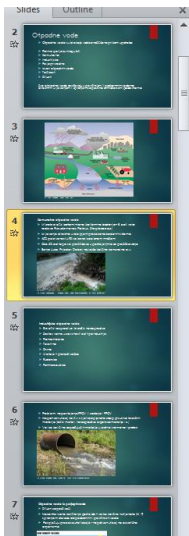
Some of Roundtable participants asked to attend Life Long Learning courses. They showed great interest for LLL course Water protection technologies.

Several media ensured the visibility of this event to the public through announcements:

1. <https://pmf.unibl.org/nedostaci-postojeceg-monitoringa-voda-u-republici-srpskoj/>
2. <https://www.facebook.com/Biologija-i-Ekologija-PMF-UNIBL-103573905116850/>
3. <https://www.facebook.com/Erasmus/>

The screenshot shows a web browser displaying a page from pmf.unibl.org. The page features a dark blue header with the logo of the Faculty of Natural Sciences and Mathematics (PMF Banja Luka) and contact information. Below the header is a navigation menu with links for 'О НАМА', 'СТУДИЈЕ', 'АКАДЕМСКО ОСОБЉЕ', 'НАУКА', 'ПУБЛИКАЦИЈЕ', 'САРАДЊА', 'СТУДЕНТИ', 'УПИСИ', 'АЛУМНИ', and 'EN'. The main content area has a background image of a river and contains the following text: 'okrugli sto Nedostaci postojećeg monitoringa voda u Republici Srpskoj' in large blue letters, '21/06/2022' in small text, and 'Prirodno-matematički fakultet 09.06.2022. u 10.00' in blue. At the bottom, there is a search bar labeled 'ПРЕТРАГА' and a small text block: 'U okviru Erasmus+ projekta „Razvoj master kurikuluma iz ekološkog monitoringa i bioindikacija kopnenih voda na visokoškolskim ustanovama u regionu Zapadnog Balkana“ (ECOBAS) na Prirodno-matematičkom fakultetu Univerziteta u Banjoj Luci održan je okrugli sto na temu „Nedostaci postojećeg monitoringa voda u Republici Srpskoj“.' Below this is the text 'Pored profesora sa Prirodno-matematičkog fakulteta, okruglom stolu su prisustvovali predstavnici akreditovanih'.





Komunalne otpadne vode

- ▶ Mikrobiološki kontaminirane (koliformne bakterije – *E. coli*, vrste rodova *Pseudomonas*, *Proteus*, *Streptococcus*)
- ▶ Izlivanje direktno u recipijent preko kanalizacionih sistema
- ▶ 45% pokrivenost u RS sa kanalizacionom mrežom
- ▶ Oko 5% od toga se prečišćava u postrojenjima za prečišćavanje
- ▶ Banja Luka, Prijedor, Doboj najveće količine komunalne o.v.



Sl. 2. Ispušt kanalizacione otpadne vode ispod mosta Rebrovac, BL (foto: Nataša M.)



Sl. 9. Uzorkovanje teleskopskim štapiom



Sl. 10. Međulaboratorijsko poređenje (PI)

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ECOBIAS

Erasmus + Project No ECOBIAS_609967-EPP-1-2019-1-RS-EPPKA2-CBHE-JP
Development of master curricula in ecological monitoring and
aquatic bioassessment for Western Balkans HEIs



okrugli sto Nedostaci postojećeg monitoringa voda u Republici Srpskoj

Prirodno-matematički fakultet

09.06.2022. u 10.00

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Erasmus+ Programme
of the European Union



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