



**Soil Erosion and TOrrential Flood
Prevention: Curriculum Development at the
Universities of Western Balkan Countries**

Short report of the Project Coordinator

Prof. Nada Dragović

Reference Number: 598403-EPP-1-2018-1-RS-EPPKA2-CBHE-JP

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2.5. Study visits to EU partners university and analysis best practices

- After the PMU, SC, and QAC meetings in March 2022, we started to organize study visits to EU partners.
- The first study visit was organized during May 12-13, 2022 at the University of Forestry and at the Forest Research Institute at the Bulgarian Academy of Sciences (FRI-BAS) in Sofia. At the study visit professors and researches from University of Forestry and FRI-BAS presented forestry education in field of soil erosion and prevention of torrential floods in Bulgaria as well as examples of erosion and torrential floods control in practice.





2.5. Study visits to EU partners university and analysis best practices

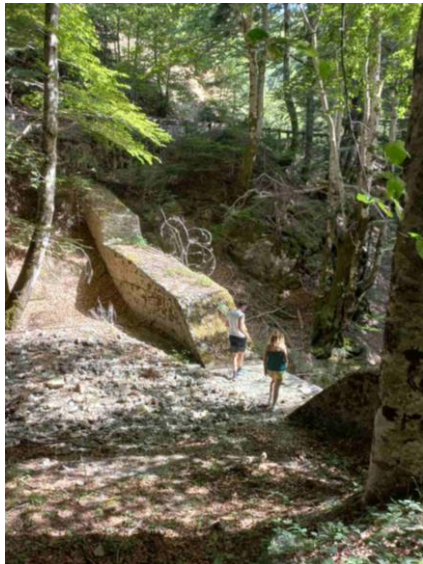
- Study visit to Faculty of Forestry, University Ss. Cyril and Methodius in Skopje was organized during June 16-17, 2022. At the study visit professors from Faculty of Forestry UNSCM presented the best practices in field of soil erosion and prevention of torrential floods. As part of the study visit, the SETOF project was presented on the International scientific conference “Better forestry, for better forests, for a better planet” at the Faculty of Forestry UNSCM on June 16 2022.





2.5. Study visits to EU partners university and analysis best practices

- The study visit to University Mediterranea of Reggio Calabria was held in period from July 4 to 6, 2022. At the Department of Agriculture of UNIRC, Prof. Porto presented examples of torrent control in Reggio Calabria and Prof. Banasik presented examples of Erosion studies in other European countries (Poland). Participants visited torrential catchments Menta and Ferraina and the reservoir and the check-dams in Aspromonte National Park.





2.5. Study visits to EU partners university and analysis best practices

The study visit to University of Natural Resources and Life Sciences - BOKU in Vienna was held in period from 29 to 30 August 2022. At the study visit professors from the BOKU presented teaching policy and didactic concepts at BOKU and teaching and research at the Institute of Mountain Risk Engineering as well as examples of erosion and torrential floods control in practice.





5.5. Promotion trainings with engineers in enterprises

- Training with engineers for erosion and torrent control was held at the enterprises „Erozija“ a.d. Valjevo on March 18, 2022.





5.5. Promotion trainings with engineers in enterprises

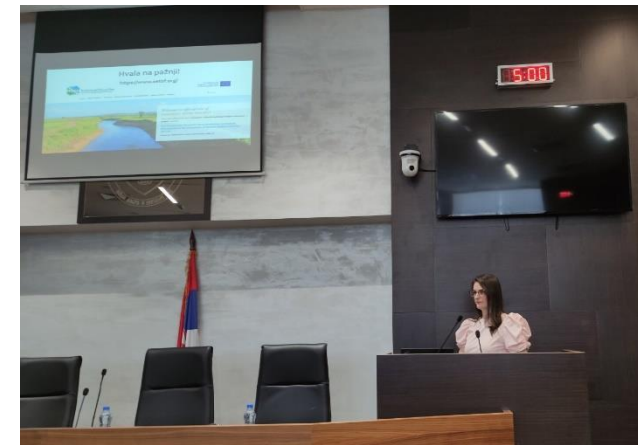
Training for engineers in Serbian Chamber of Engineers was held on April 19, 2022.





5.6 Trainings in local communities

- Training with employees in local communities Kraljevo was held on June 19, 2022.





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Dissemination of SETOF project results

On the International Scientific Conference **FORESTRY SCIENCE FOR SUSTAINABLE DEVELOPMENT - FORS2D** “Perspectives of forestry and related sectors as drivers of sustainable development in the post-Covid era” held on September 29-30, 2022, the paper „**Soil erosion and torrential flood protection: education and practice in forestry**“ was presented.



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NAUČNA OBLAST	SETOF PROJEKAT
Tehničko—tehnološke nauke	Zajednički studijski program master akademskih studija „Erozija zemljišta i prevencija od bujičnih poplava“ razvijen je u okviru ERASMUS+ K2 projekta „Erozija zemljišta i prevencija od bujičnih poplava: razvoj kurikuluma na univerzitetima država Zapadnog Balkana (SETOF)“.
TRAJANJE STUDIJSKOG PROGRAMA	Prva godina realizacije zajedničkog studijskog programa finansira se sredstvima SETOF projekta i studenti u toj godini ne plaćaju školarinu.
Jedna školska godina (dva semestra)	CILJ PROJEKTA
AKADEMSKI NAZIV	Unapređenje obrazovanja inženjera za zaštitu zemljišta od erozije i prevenciju od bujičnih poplava kroz razvoj novih i unapređenje postojećih studijskih programa u visokoškolskim ustanovama u Srbiji i Bosni i Hercegovini.
Master inženjer šumarstva—erozija zemljišta i prevencija od bujičnih poplava	TRAJANJE PROJEKTA
BROJ BODOVA	Novembar 2018 — Novembar 2022
60 ESPB	KOORDINATOR
ZNANJA I VEŠTINE KOJE SE STIČU	• Šumarski fakultet Univerziteta u Beogradu
<ul style="list-style-type: none"> Integrirana znanja i veštine za profesionalno obavljanje poslova iz oblasti zaštite zemljišta od erozije i prevencije od bujičnih poplava na principima integralnog upravljanja šumskim područjima; Znanja potrebna za rešavanje problema degradacije zemljišta i voda i njihovog korišćenja na principima održivog razvoja; Osposobljenost za praktičnu primenu stečenog znanja za zaštitu zemljišta od degradacije i odbranu od bujičnih poplava kroz izradu projekata i izvođenje radova, kao i primenu metoda baziranih na informacionim tehnologijama. 	UCESNICI
MOGUĆNOST ZAPOSŁAVANJA	<ul style="list-style-type: none"> Poljoprivredni fakultet Univerziteta u Novom Sadu Fakultet zaštite na radu Univerziteta u Nišu Šumarski fakultet Univerziteta u Banjoj Luci Šumarski fakultet Univerziteta u Sarajevu Institut za šumarstvo, Beograd BOKU—University of Natural Resources and Life Sciences, Beč Ss. Cyril and Methodius University, Skopje University Mediterranea of Reggio Calabria Forest Research Institute at the Bulgarian Academy of Sciences
<ul style="list-style-type: none"> Kompanije, preduzeća i ustanove u oblasti vodoprivrede, šumarstva, poljoprivrede i zaštite prirode, Republičke, pokrajinske i lokalne institucije (ministarstva, opštine, RHMZ, agencije), Organizacione jedinice u okviru gradskih i opštinskih uprava, nadležne za mere zaštite i spasavanja u slučaju prirodnih katastrofa, Obrazovne i istraživačke organizacije (instituti, fakulteti), Ostale institucije i privredni subjekti koji se bave projektovanjem i izvođenjem radova za zaštitu zemljišta i voda. 	 



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MASTER AKADEMSKE STUDIE

EROZIJA ZEMLJIŠTA I PREVENCIJA OD BUJIČNIH POPLAVA

Zajednički studijski program

POSOCI PROGRAMA

UNIVERZITET U NOVOM SADU
UNIVERZITET U NIŠU
UNIVERZITET U BANJOJ LUCI
UNIVERZITET U SARAJEVU
INSTITUT ZA ŠUMARSTVO, BEGRAD
BOKU—University of Natural Resources and Life Sciences, Beč
Ss. Cyril and Methodius University, Skopje
University Mediterranea of Reggio Calabria
Forest Research Institute at the Bulgarian Academy of Sciences

PARTNERSKE ORGANIZACIJE

UNIVERZITET U SARAJEVU
UNIVERZITET U BANJOJ LUCI
UNIVERZITET U NIŠU
UNIVERZITET U SOFIJI

- In June and July of this year, the joint master's program „Soil erosion and Torrential flood prevention“ was promoted for student enrollment in the 2022/2023 school year.





- Several consultative meetings of partners involved in the implementation of the joint master program were held.
- Of the 24 students enrolled in the joint master's study program, 10 students defended their master's thesis by the scheduled deadline (until October 14, 2022) and thus completed their studies.





Partners meetings	Date
2 nd Working meeting between Project Coordinator University of Belgrade and University of Niš, leader of WP5 - Dissemination of project results	11.11.2021
1 st Working meeting between Project partner University of Niš and University of Banja Luka, leader of WP3 - Development	2-3.06.2022
1 st Working meeting between Project partner University of Banja Luka, leader of WP3 – and University of Belgrade project leader	24-25.12.2021
2 nd Working meeting between Project partner University of Banja Luka (leader of WP3 – Development) and University of Niš (leader of WP3 – Dissemination)	09.09.2022
2 nd Working meeting between Project partner University of Banja Luka, leader of WP3 – and University of Belgrade project leader	13-14.12.2021
Working meeting between Project partner University of Banja Luka, leader of WP3 – and University of Belgrade project leader	06.09.2022
2 nd Working meeting between Project partner University of Sarajevo and University of Niš	26.09.2022





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The planned and realized activities

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WORKPLAN for project year 3/4

Activities		Total duration (number of weeks)	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12
Ref.nr/ Sub-ref nr	Title													
1.1	Analysis state of soil degradation/soil erosion in WBC	0												
1.2	Analysis of torrential floods in WBC	0												
1.3	Report of prevention measures for soil and torrent in EU	0												
1.4	Analysis and elaboration of bachelor and master curricula	0												
1.5	Workshop on bachelor and master curricula in EU	0												
2.1	Defined study requirements with Bologna standards	0												
2.2	Defined goals, competences and learning outcomes	0												
2.3	Established new and improved existing subjects on bachelor	0												
2.4	Established new master programme	0												
2.5	Study visits EU university and analysis best practices	4	2=	2=										
2.6	Harmonization of the proposed changes	0												
2.7	Introduce and training teaching staff	2					=	=						
3.1	New bachelor subjects implemented	30	X	X	X		X	X	X	X	X			X
3.2	New master programme implemented	30	X	X	X		X	X	X	X	X			X
3.3	Evaluation of syllabi	6				2X							2X	2X
3.4	Report of bachelor and master curricula quality	4					2X							2X
4.1	Quality plan established	0												
4.2	Quality control according to the adopted plan	4	X=	X=				X=	X=					
4.3	External financial control	4						X=	X=				X=	X=
4.4	Quality assurance Committee meetings	4						2X=						2X=
5.1	Project website created and maintenance	6	X	X	X	X	X	X	X	X	X	X	X	X
5.2	Establish dissemination plan	0												
5.3	Promotion material created	2	X	X										
5.4	Trainings plan defined and adopted	2								X	X			
5.5	Promotion trainings with engineers in enterprises	5					X	X	X	X	X			
5.6	Trainings in local communities	4	X	X	X	X								
6.1	Sustainability plan created	0												
6.2	Accreditation of master curricula	0												
6.3	Promotion for students enrolment	6							X	X	X	X	X	X
7.1	Project management meetings	3						X=						2X=
7.2	Steering committee meetings	2						X=						X=
7.3	Guidelines on the reporting and correspondence	0												
7.4	Day-to-day coordination of project activities	18	X=	X=	X=	X=	2X=	2X=	2X=	2X=	X=	X=	2X=	2X=
7.5	Interim and finale report meeting	9										3X=	3X=	3X=





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WP 2 – DEVELOPMENT Development of curricula

		Time	Done
2.5	Study visits to EU partners and analysis best practices		
	Report of the study visit	15.03.2022 – 15.11.2022	done

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WP 3 – DEVELOPMENT

Implementation of developed curricula and training

	Time	Done
3.2. New master programme implemented		
Teaching material, event	15.10.2022	done

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WP4 QUALITY PLAN

Quality plan and monitoring

		Time	Done
4.2	Quality control according to the adopted plan		
	Report of Quality control according to the adopted plan	15.11.2022	done
4.4	Quality assurance Committee meeting		
	Minutes of the Quality assurance Committee meeting- UNIRC in consultation with other participating institutions UB, UNSCM, FRI-BAS	15.11.2022	done





WP5 - DISSEMINATION & EXPLOITATION

Dissemination of project results

		Time	Done
5.1	Project website created and maintenance		
	Project website created - UB in consultation with UNI	In progress	done
5.5	Promotion trainings with engineers in enterprises		
	Training material	15.06.2022	done
5.6	Trainings in local communities		
	Training material	15.11.2022	done





WP6 - DISSEMINATION & EXPLOITATION

Exploitation of project results

		Time	Done
6.3	Promotion for students enrollment		
	Report of promotion for students enrollment	15.10.2022	done





WP7 – MANAGEMENT

Project management

	Time	Done
7.1 Project management meeting		
Minutes of the meeting - UB in consultation with other partner institutions	15.11.2022	done
7.2 Steering committee meeting		
Minutes of the meeting - UB in consultation with other partner institutions	15.11.20212	done
7.4 Day-to-day coordination of project activities		
Report of day-to-day coordination - UB in consultation with other partner institutions	15.11.2022	done

