



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

WP2

DEVELOPMENT OF CURRICULA

Deliverable 2.4

**Established new master programme**

**Participating Organizations:**

UB; UNS; UNI; UBL; UNSA

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- The SETOF project aims to develop master curriculum and improve the bachelor curriculum for the prevention of torrential floods that are disastrous with catastrophic consequences
- Preventive measures for the protection of soil from erosion and the occurrence of torrential floods should be undertaken in the same way at the regional level and therefore the creation of a joint master program that will enable forestry engineers to gain knowledge of special importance





- According to the adopted goals, outcomes and competencies, the universities of the partner countries have established the new master program that will be common to all universities
- The master curriculum is in line with the adopted recommendations and good practices of EU partners, and the subjects syllabi cover the areas of land protection from erosion and prevention from torrential floods
- All universities from Serbia (UB, UNS, UNI) and BiH (UBL, UNSA) participated in defining the structure and subjects syllabi of the new joint master's program





- The joint master's program lasts for one year (two semesters) and contains mandatory and elective subjects which are structured as joint subjects (joint course)
- The total amount of credits are 60 ECTS points
- The structure of the master programme is presented in the following tables





List of subjects and credits (ECTS or comparable credit system)

<b>Subjects</b>	<b>S</b>	<b>ECTS</b>
Soil and water degradation	I	5
Soil erosion protection	I	6
Torrential flood protection	I	6
Integrative torrential watershed management	I	5
Elective subject I	I	4
Elective subject II	I	4
Study -research work	II	7
Professional practice	II	3
Master work	II	20
		60





Subjects	Offered by	Compulsory /elective	Semester	ECTS	Professors
<b>Soil and water degradation</b> <i>Degradacija zemljišta i voda</i>	FOS-NI FF-BG FF-BL (joint course)	Compulsory	1st	5	Miodrag Zlatić, Tatjana Golubović, Marijana Kapović Solomun, Katarina Lazarević
<b>Soil erosion protection</b> <i>Zaštita zemljišta od erozije</i>	FF-BG FA-NS (joint course)	Compulsory	1st	6	Radovan Savić, Tijana Vulević, Siniša Polovina, Katarina Lazarević
<b>Torrential flood protection</b> <i>Prevenција od bujičnih poplava</i>	FF-BG FF-SA (joint course)	Compulsory	1st	6	Ratko Ristić, Muhamed Bajrić, Dejan Vasović, Siniša Polovina, Ranka Erić
<b>Integrative torrential watershed management</b> <i>Integralno upravljanje bujičnim slivovima</i>	FF-BG FF-SA (joint course)	Compulsory	1st	5	Muhamed Bajrić, Miodrag Zlatić, Ranka Erić





<b>Elective subject I (List of subjects)</b>					
<b>Land melioration</b> <i>Melioracije zemljišta</i>	FA-NS FF-BG (joint course)	Elective	1st	4	Radovan Savić, Atila Bezdan, Milica Vranešević, Aleksandar Baumgertel
<b>Conservation of karst terrain</b> <i>Konzervacija kraških terena</i>	FF-SA	Elective	1st	4	Muhamed Bajrić, Ćemal Višnjić, Emira Hukić
<b>Climate change adaptation</b> <i>Adaptacija na klimatske promene</i>	FOS-NI	Elective	1st	4	Slobodan Milutinović
<b>Project management for natural resources protection</b> <i>Upravljanje projektima za zaštitu prirodnih resursa</i>	FF-BG	Elective	1st	4	Nada Dragović, Tijana Vulević
<b>Sustainable land management</b> <i>Održivo upravljanje zemljišnim resursima</i>	FF-BL FF-BG (joint course)	Elective	1st	4	Marijana Kapović Solomun, Miodrag Zlatić, Mirjana Todosijević, Katarina Lazarević
<b>Biomelioration of barren land</b> <i>Biomelioracije goleti</i>	FF-BL	Elective	1st	4	Jugoslav Brujić, Branislav Cvjetković





<b>Elective subject II (List of subjects)</b>					
<b>Natural disasters risks management</b> <i>Upravljanje rizicima od prirodnih katastrofa</i>	FOS-NI	Elective	1st	4	Slobodan Milutinović, Snezana Živković
<b>Land degradation and ecosystem services</b> <i>Degradacija zemljišta i usluge ekosistema</i>	FF-BG FF-BL (joint course)	Elective	1st	4	Mirjana Todosijević, Marijana Kapović Solomun, Katarina Lazarević
<b>Torrent monitoring and early warning system</b> <i>Monitoring bujičnih tokova i sistem rane najave</i>	FF-BG FF-SA FOS-NI (joint course)	Elective	1st	4	Muhamed Bajrić, Dejan Vasović, Siniša Polovina, Ranka Erić
<b>Decision making in soil erosion and torrent control</b> <i>Odlučivanje u zaštiti zemljišta od erozije i bujica</i>	FA-NS FF-BG (joint course)	Elective	1st	4	Tijana Vulević, Bosko Blagojević
<b>Modelling of soil and water degradation</b> <i>Modeli degradacije zemljišta i voda</i>	FF-BG FA-NS (joint course)	Elective	1st	4	Mirjana Todosijević, Atila Bezdan, Katarina Lazarević, Ranka Erić
<b>Mellioration of degraded forests</b> <i>Melioracije degradiranih šuma</i>	FF-SA	Elective	1st	4	Čemal Višnjić ,







Study -research work	FOS-NI FF-BG FF-BL FF-SA FA-NS	Compulsory	2nd	7	Work with mentor
Professional practice	FOS-NI FF-BG FF-BL FF-SA FA-NS	Compulsory	2nd	3	Slobodan Milutinović Tijana Vulević Jugoslav Brujić Emira Hukić Atila Bezdan
Master work	FOS-NI FF-BG FF-BL FF-SA FA-NS	Compulsory	2nd	20	Work with mentor

