



SETOF

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

Presentation of the University of Novi Sad, Faculty of Agriculture

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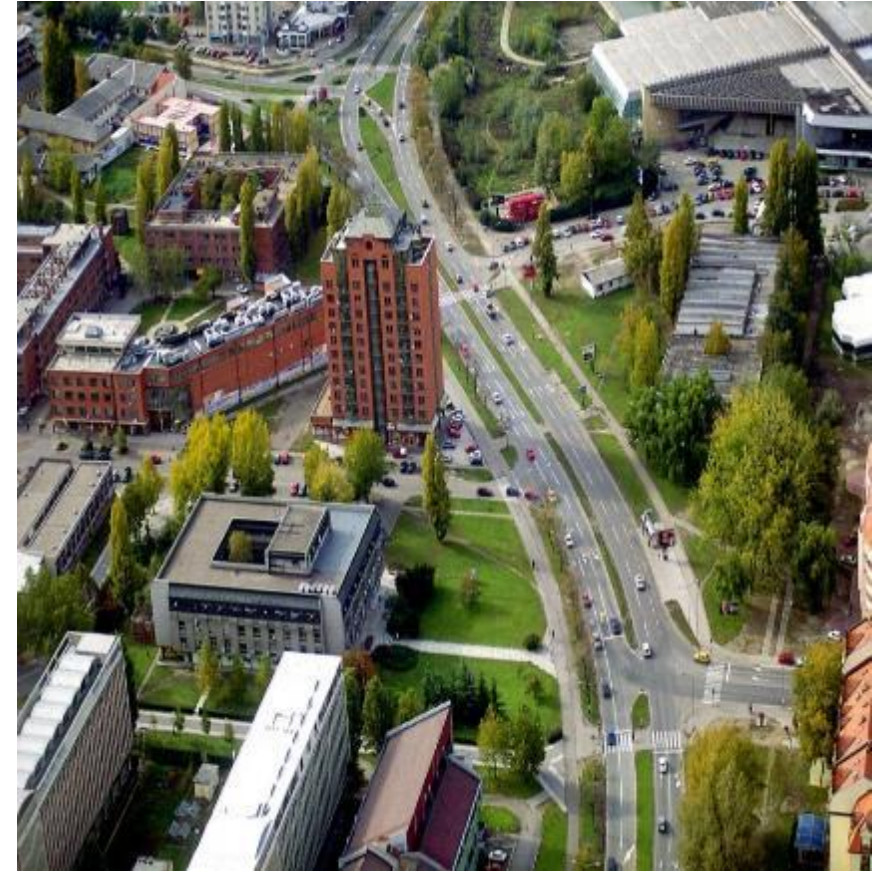




Soil Erosion and TOrrential Flood
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Universities of Western Balkan Countries*

University of Novi Sad

- Founded in 1960
- Second largest university in Serbia
- Variety of undergraduate & postgraduate study programs
- 14 Faculties, 3 Institutes



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University of Novi Sad

- Faculty of Philosophy
- Faculty of Agriculture
- Faculty of Law
- Faculty of Technology
- Faculty of Technical Sciences
- Faculty of Medicine
- Faculty of Sciences
- Academy of Arts
- Faculty of Sport and Physical Education
- Faculty of Economics in Subotica
- Faculty of Civil Engineering in Subotica
- Teachers' Training Faculty in Hungarian in Subotica
- "Mihajlo Pupin" Technical Faculty in Zrenjanin
- Faculty of Education in Sombor
- Institute of Lowland Forestry and Environment
- Institute of Food Technology
- Institute BioSense



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University of Novi Sad

- Students app. 50,000
- Staff app. 5,000
- Total number of study programmes over 360



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University of Novi Sad

- University Campus in Novi Sad
- 260,000 m²
- 7 faculties, student dormitories, teaching assistant dormitory, student health centre, sports fields and facilities, etc.





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University of Novi Sad

• Internationalisation, Memberships:

- **EUA** – European University Association
- **DRC** – Danube Rectors' Conference
- **IUC** – Inter-University Center in Dubrovnik
- **EUF-CE** – European University Foundation (Campus Europae)
- **CEEPUS** – Central European Exchange Program for University Studies
- **BUN** - Balkan Universities Network
- **ACRU** - Association of Carpathian Region Universities
- **UniAdriion** – Virtual University of the Adriatic-Ionian Basin
- **ALADIN** - ALpe ADria INitiative Universities' Network
- **CASEE-ICA** – The ICA Regional Network for Central and South Eastern Europe
- **AUF** - l'Agence universitaire de la Francophonie



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University of Novi Sad

- Internationalisation, Mobility:
- Erasmus +, CEEPUS, Ugrad, DAAD, bilateral arrangements, etc.



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University of Novi Sad

- Science & Research, Projects:
- Fundamental research, technological development, integral and interdisciplinary research – **more than 500 projects currently**
- International projects: HORIZON 2020, ERASMUS+, IPA, CEEPUS, COSME, COST, BILATERAL COOPERATION, etc.
- Conferences: About 120 science and other conferences and symposiums organized by the UNS faculties and R&D institutes annually

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Faculty of Agriculture

- The faculty of agriculture is the oldest faculty in University of Novi Sad, founded in 1954 and nowadays is one of the most prestigious scientific institutions in Serbia
- It is acclaimed nationally and internationally for the results of its work and for the enormous contribution to the development of agricultural production in Vojvodina and the country as a whole



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Faculty of Agriculture

8 Departments:

- Field and vegetable crops
- Animal science
- Fruit growing, Viticulture, Horticulture and Landscape architecture
- Agricultural engineering
- Plant and environment protection
- **Water management**
- Agricultural economics
- Veterinary medicine





Faculty of Agriculture

BSc

- ORGANIC AGRICULTURE
- AGROECOLOGY AND ENVIRONMENTAL PROTECTION
- AGRICULTURAL ECONOMICS
- AGRICULTURAL ENGINEERING
- AGRITOURISM AND RURAL DEVELOPMENT
- AGROINDUSTRIAL ENGINEERING
- CROP SCIENCE
- FRUIT SCIENCE AND VITICULTURE
- HORTICULTURE
- LANDSCAPE ARCHITECTURE
- PHYTOMEDICINE
- ANIMAL SCIENCE
- VETERINARY MEDICINE
- WATER MANAGEMENT

MSc

- AGRICULTURAL ECONOMICS
- FRUIT AND VINE GROWING
- FIELD CROPS GROWING
- GENETICS, PLANT BREEDING AND SEED PRODUCTION
- PHYTOMEDICINE
- HORTICULTURE
- ORGANIC AGRICULTURE
- LANDSCAPE ARCHITECTURE
- AGRICULTURAL ADVISORY
- AGRICULTURAL ENGINEERING
- AGRITOURISM AND RURAL DEVELOPMENT
- ANIMAL HUSBANDRY
- WATER MANAGEMENT
- LOWLAND AGRICULTURAL WATER MANAGEMENT
- SOIL SCIENCE AND PLANT NUTRITION
- JOINT MASTER DEGREE DAFM

PhD

- AGRONOMY
- AGRICULTURAL ECONOMICS
- VETERINARY MEDICINE





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Faculty of Agriculture



**International
Cooperation**



**Cooperation
with Economy**

Education

Research

**Interreg - IPA CBC
Hungary - Serbia** 



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Department of Water Management

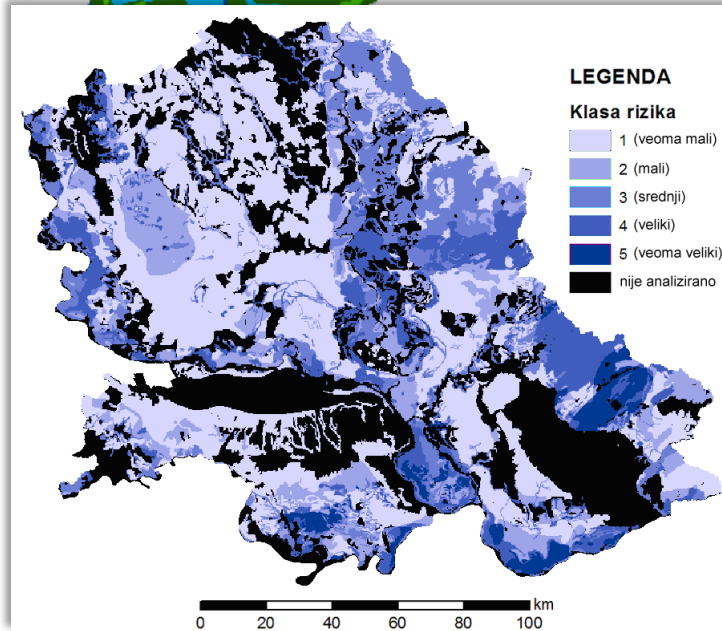
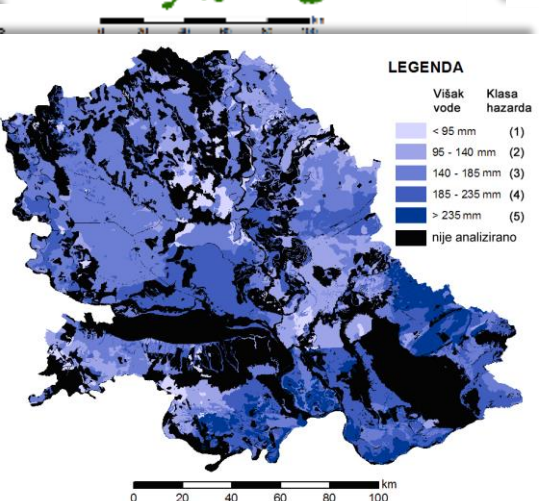
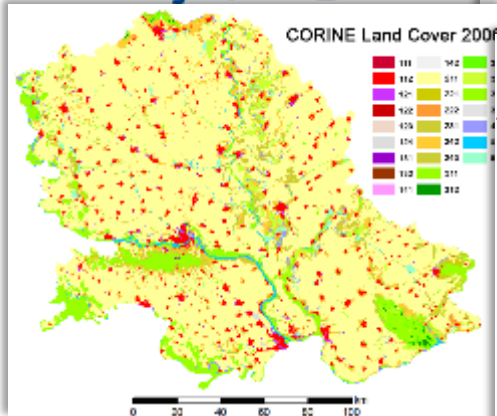
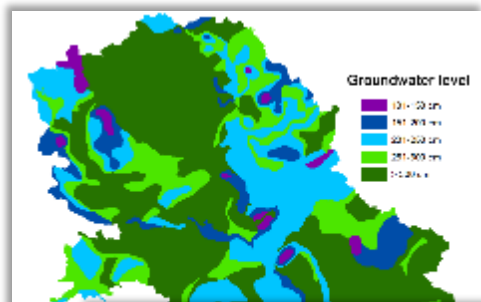
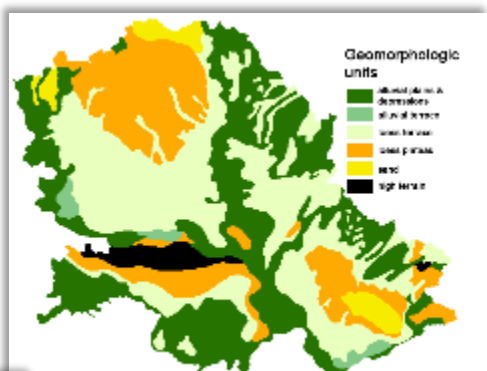
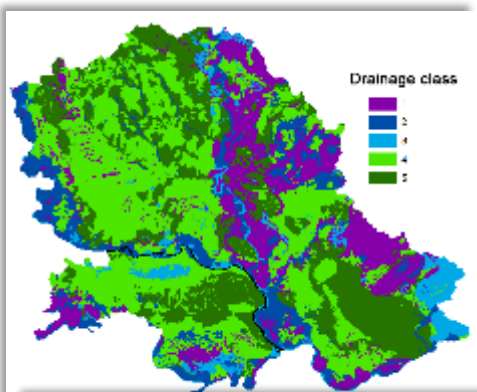
Department of Water Management has significant scientific, educational and professional background in:

- sustainable drainage and irrigation system development,
- analysis of climate change (floods and droughts),
- integral protection of water and soil resources,
- water quality modeling,
- treatment of wastewaters by biologically active Constructed Wetlands,
- river restoration planning,
- multicriteria analysis and decision-making, ...





DROUGHT AND EXCESS WATER RISK ASSESSMENT

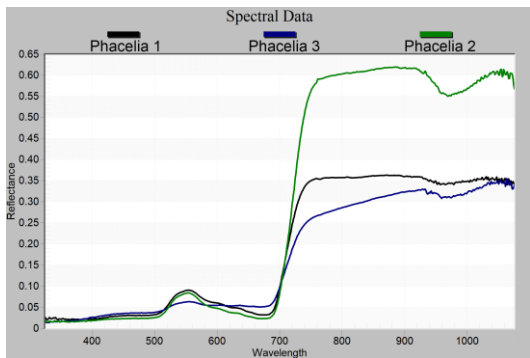
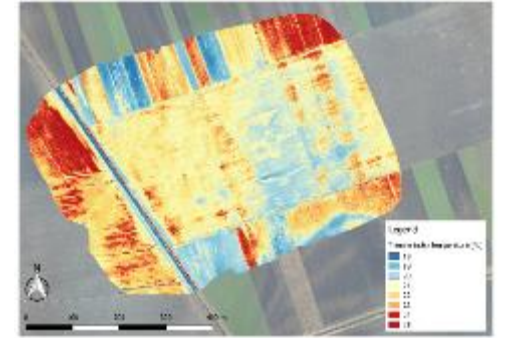
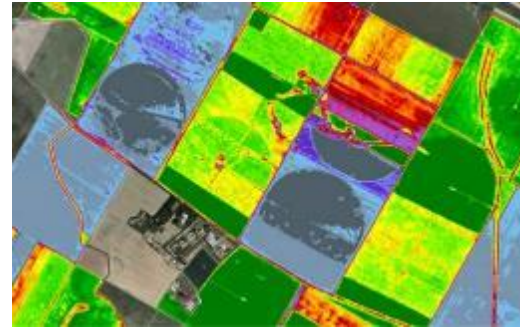
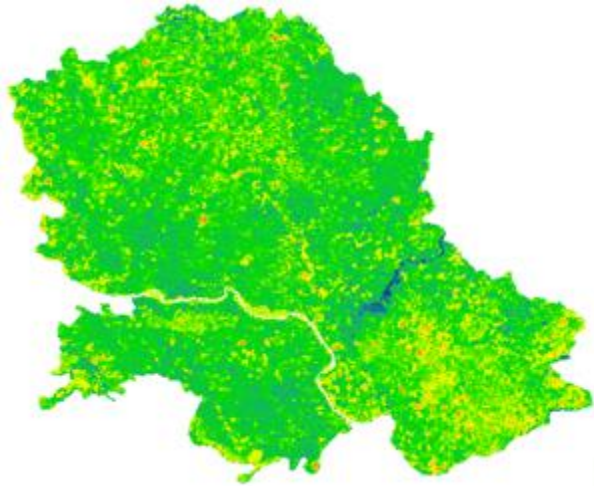




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Department of Water Management

APPLICATION OF REMOTE SENSING IN AGRICULTURE AND WATER MANAGEMENT



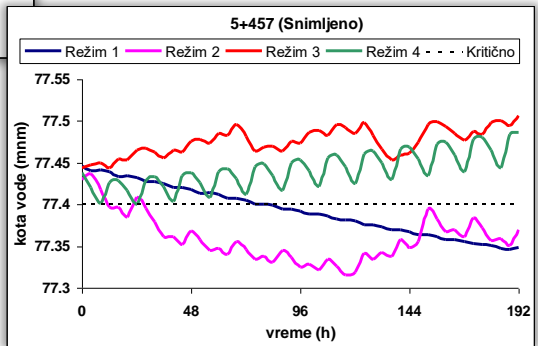
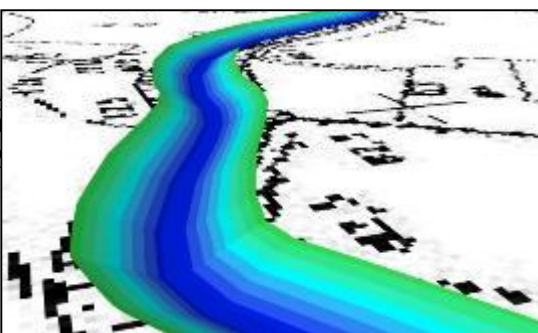
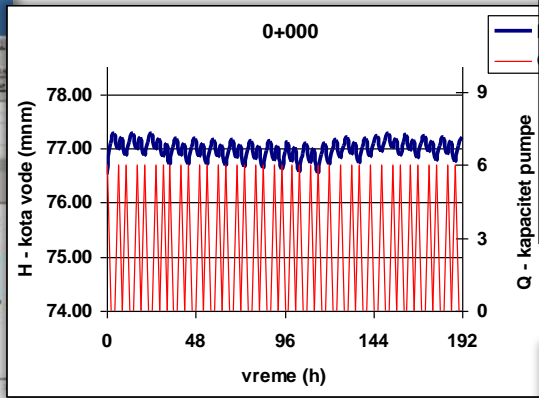
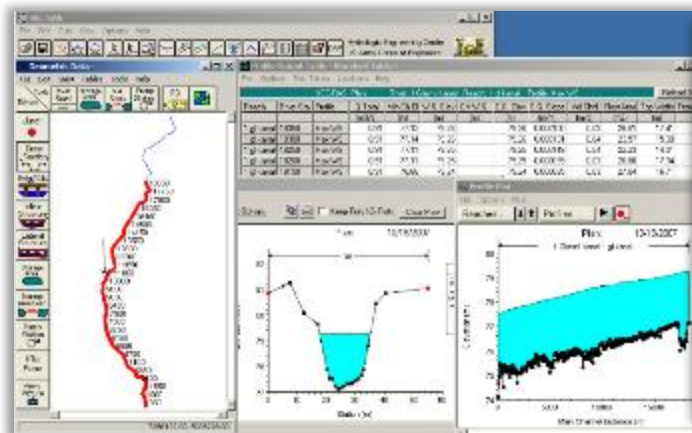
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Department of Water Management

MONITORING AND ANALYSIS OF DRAINAGE SYSTEM FUNCTIONALITY

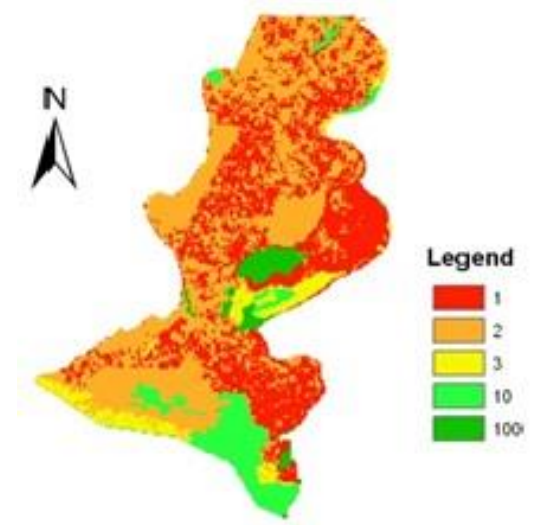




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Department of Water Management

BIOTECHNICAL MEASURES ON DRAINAGE SYSTEMS



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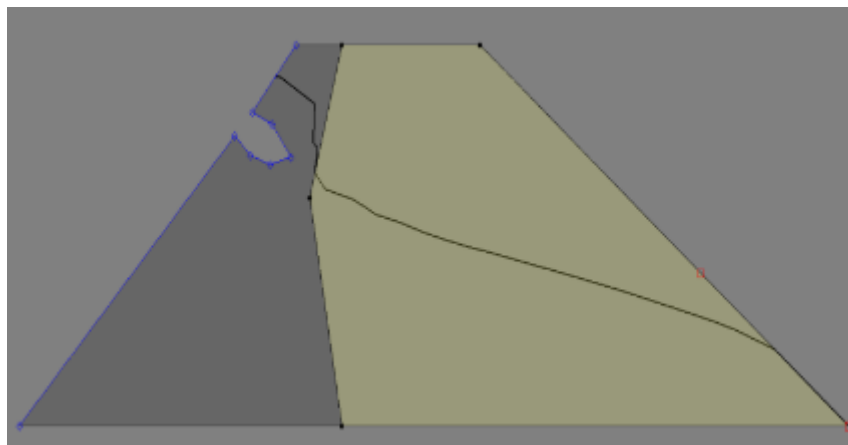




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MONITORING OF THE LEVEES CONDITIONS



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Department of Water Management

Subjects that covers topics regarding soil erosion and torrential flood:

- Soil science (BSc),
- Engineering Hydrology (BSc),
- River engineering (BSc),
- Soil Conservation Structures (BSc),
- Bioregulation (BSc),
- Soil and water conservation (MSc),



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Thank you for your attention!

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