



CONFERENCE PROGRAM

28.11.2018.

REGISTRATION

09:00 – 10:00

Building of Faculty of Forestry, Kneza Višeslava 1, 11030 Belgrade, Republic of Serbia

OPENING CEREMONY

10:00 – 10:30

Katarina Lazarević – President of the Organizing Committee of **ETC 2018**

Ratko Ristić – Dean of Faculty of Forestry

Representative of Republic of Serbia, Ministry of Agriculture, Forestry and Water Management – Republic Directorate for Water

Miodrag Zlatić – President of Scientific Committee, World Association of Soil and Water Conservation

Bin Wang – Youth Forum of World Association of Soil and Water Conservation

Ljubinko Rakonjac – Director of Institute of Forestry

Milutin Stefanović - Jaroslav Černi Institute for the Development of Water Resources (JCI)

OPENING KEY NOTE PRESENTATIONS

10:30 – 12:00

1. **Miodrag Zlatić**

Social-Economical Factors of Soil and Water Conservation-State-Approaches/Modeling-Perspectives

2. **Miroslav Dumbrovský**

A System of Adaptation Measures to Reduce the Adverse Effects of Climate Change in the Czech Republic

3. **Ivan Blinkov**, Barbara Zennaro, Klodian Zaimi, Mitko Kostadinovski, Renata Kusterevska, Ivan Mincev, Svetislav Krstic, Orjeta Elbasani, Dhimiter Peci, Valbona Simixhiu, Royston Robinson, Barbara Zennaro, Alkida Prodani, Ralf Peveling
Shorezone Functionality Index

12:00 – 12:30 – Coffee break and poster session



TOPIC 1

SOIL EROSION ASSESSMENT–MECHANISM/PROCESSES, MODELING AND MAPPING

Chairpeople: Vesna Djukić and Veronika Sobotková

12:30 – 14:30

1. **Vesna Đukić, Miroslav Dumbrovsky, Veronika Sobotkova (key note, invited lecture)**
GIS – Based Distributed Model of Runoff in the Basin of the Jičinka River in Czech Republic
2. **Ivan Blinkov, Stanimir Kostadinov**
Erosion and Torrent Floods in Western Balkan Countries
3. **Ivan Mincev, Ivan Blinkov, Aleksandar Trendafilov**
Modelling of Erosion Factors That Contribute on Higher Production and Transport of Sediment; Case Study: “Kalimanci Reservoir”
4. **Eli Pavlova-Traykova**
Assessment of Factors and Soil Erosion Risk in Dzherman River Watershed, Southwestern Bulgaria
5. **Daniel Hájek**
Comparison of Sheet Erosion Assessment Field Methods
6. **Marko Spasić, Nikola Živanović, Grozdana Gajić**
The Effect of Lime Addition to Clayey Soil and Changes in Internal Friction Angle and Cohesion Values
7. **Natalija Momirović, Tomislav Stefanović, Stanimir Kostadinov, Vlado Čokeša, Goran Česljar, Zoran Miletić**
The Analysis of the Formulas for Estimating the Slope of Siltation of Check Dam No.3 in the River Jablanica
8. **Vukašin Rončević, Nikola Živanović, Grozdana Gajić**
Analysis of Physico-Mechanical Characteristics of Building Stone for the Needs of Antierosion Works in Serbia

14:30 – 15:30 – Lunch break

TOPIC 1

SOIL EROSION ASSESSMENT–MECHANISM/PROCESSES, MODELING AND MAPPING

Chairpeople: Veronika Sobotková and Vesna Djukić

15:30 – 17:45

9. **Veronika Sobotková, Jakub Hloušek (key note)**
Comparison of Calculation of Soil Loss Methods Using the USLE and EPM in the Czech Republic
10. **Mladen Marković, Nikola Živanović, Grozdana Gajić**
The Stability Analysis of Slopes Along the Roads in Bio-Reinforced Soil Conditions



11. **Safwan A. Mohammed, Alaa Khallouf, Wasiem Almesber, Endre Harsanyi**
Assessment of Soil Erosion Risk by Using Corine Model: Case Study of Lattakia Governorate, Syria
12. **Borce Bojcovski, Ivan Blinkov, Aleksandar Trendafilov**
Analyses of the Erosion of the Burnt Forests of the Locality "Parkach" – Berovo
13. **Nikola Živanović, Vukašin Rončević, Grozdana Gajić**
Construction and Calibration of Portable Rain Simulator
14. **Ranka Erić, Jasna Plavšić, Andrijana Todorović**
Simulations of Rainfall-Runoff Processes Using the HEC-HMS Model in the Lukovska River Basin
15. **Luka Stefanović, Snežana Belanović-Simić, Jelena Beloica, Predrag Miljković**
Content of Available Microelements in District Cambysol of Rasina River Watershed
16. **Nikola Tričković, Jelena Beloica, Snežana Belanović Simić, Sara Lukić, Dragana Čavlović, Predrag Miljković**
Critical Loads for Biodiversity along S and N Deposition Gradients for the Sessile Oak Forests in NP Fruška Gora

29.11.2018.

OPENING KEY NOTE PRESENTATIONS

09:00 – 10:00

1. **Emiliya Velizarova**, Roumen Nedkov, Kameliya Radeva, Andrey Stoyanov
Soil Erodibility Assessment in Fire Influenced Forest Ecosystems in Bulgaria
2. **Sevilay Hacıyakupoglu**
Use of Fallout Radionuclides as a Soil and Sediment Tracer and Various Applications in the World

TOPIC 2

TORRENTIAL FLOODS – GENESIS, IMPACTS, RISK, MANAGEMENT

Chairpeople: Vesna Nikolić Jokanović and Tijana Vulević

10:00 – 11:15

1. **Vesna Nikolić Jokanović, Katarina Lazarević, Tijana Vulević, Dušan Jokanović (key note)**
Monitoring and Geostatistical Analyses of Groundwater Level in Higrophilous Forests
2. **Milica Caković**
Impact of Vok Canal on the Hydrological Regime of Obedska Bara
3. **Siniša Polovina, Vukašin Milčanović, Boris Radić, Ivan Malušević, Ratko Ristić, Stanimir Kostadinov**
Water Flow and Sediment Transport in the Flood Wave of the Kolovački Stream on the Day of 21st May 2017.



4. **Luka Matović**

Torrential Floods in Velika Kamenica and Mala Kamenica in September of 2014: Causes and Elimination of Consequences

5. **Željko Stanojević**

Risks From Torrential Floods in the Municipality of Negotin

11:15 – 11:45 – Coffee break and poster session

TOPIC 2

TORRENTIAL FLOODS – GENESIS, IMPACTS, RISK, MANAGEMENT

Chairpeople: **Tijana Vulević** and **Vesna Nikolić Jokanović**

11:45 – 12:30

6. **Tijana Vulević, Nada Dragović, Stanimir Kostadinov, Nikola Živanović (key note)**

Priority Setting in Check Dam Maintenance Management. Case Study: Toplica River Watershed

7. **Tamara Golubović, Nada Dragović, Tijana Vulević**

Prioritization of the Retention Construction in the Topcidarska River Basin Using Group Decision Methods

8. **Jelena Beloševac, Tijana Vulević, Mirjana Todosijević, Katarina Lazarević**

Planning the Construction of Check Dam for the Regulation of Lapastica River Using the Primavera Software

TOPIC 3

NATURAL RESOURCES MANAGEMENT, CONSERVATION AND PREVENTION, MEASURES/TECHNIQUES AND THEIR EFFECTS

Chairperson: **Mirjana Todosijević**

12:30 – 13:30

1. **Mirjana Todosijević, Katarina Lazarević, Nada Dragović, Tijana Vulević (key note, invited lecture)**

Evaluation of Ecosystem Services - Development of Methodology in Serbia

2. **Martina Kulihová**

Soil Conservation Measures and Flood Control Measures in the Process of Land Consolidation in the Czech Republic

3. **Dušan Jokanović, Vesna Nikolić Jokanović, Aleksandar Anđelković, Katarina Lazarević**

Bald Cypress – Exotic for Meliorative Afforestation

4. **Kameliya Radeva, Emiliya Velizarova**

Land Cover Monitoring as Part of Survey on Wetland Ecosystem Conservation in Negovan Village Area through Remote Sensing Tools

13:30 – 14:30 – Lunch break



TOPIC 3

NATURAL RESOURCES MANAGEMENT, CONSERVATION AND PREVENTION, MEASURES/TECHNIQUES AND THEIR EFFECTS

Chairperson: **Mirjana Todosijević**

14:30 – 15:00

5. **Predrag Miljković, Jelena Beloica, Snežana Belanović Simić, Sara Lukić, Ratko Kadović, Aleksandar Baumgertel**
Land Cover Classification in Zagrža River Catchment - Accuracy Assessment
6. **Bojan Mihajlovski, Ivan Blinkov, Ivan Minchev**
Geomatic Techniques for the Environment

TOPIC 4

SOCIO-ECONOMIC, LEGAL AND INSTITUTIONAL ASPECTS OF EROSION AND TORRENT CONTROL

Chairperson: **Katarina Lazarević**

15:00 – 16:30

1. **Katarina Lazarević, Mirjana Todosijević, Miodrag Zlatić**
Climate Change Risk and Crop Insurance in Republic of Serbia
2. **Aleksandar Baumgertel, Sara Lukić, Predrag Miljković**
Protective Forest Belts as Agroforestry Practise in the Legislative of the Republic of Serbia
3. **Stefana Matović, Suzana Lović Obradović**
Socio-Economic Influence on the Intensity of Erosion in the Small Catchments
4. **Irena Stanišić**
Application of Leap in the Sustainable Management of Land Resources in the Umka Area
5. **Predrag Djokić**
Analysis and Politics of Land Resources Management - Application of LEAP to the Part of Area of the Municipality Velika Plana
6. **Cvetković Jovana, Vanja Šimunić, Lukić Natalija, Dušan Grujić, Ana Bolić**
Master Students View on Cooperation between Faculty of Forestry from Belgrade University and Civil Engineering Faculty from Brno

POSTER SESSION

TOPIC 1

1. **Seyed Hamidreza Sadeghi, Zeinab Hazbavi**
Magnitude and Environmental Impacts of Soil Erosion and Sediment-Related Problems in Iran
2. **Filip Vasić, Snežana Belanović Simić, Jelena Beloica, Milan Knežević**
The Contents of Heavy Metals (Zn, Pb, Cd) Under Forest Soils of Mountain Tara
3. **Radoš Zemunac, Radovan Savić, Milica Vranešević, Atila Bezdán, Nenad Antić**
Endangerment of South Bačka Region by Wind Erosion



4. **Bin Wang, Bo Hu, Yunqi Wang, Yujie Wang**

Variations of Soil Aggregate Stability of Alfisols under Drying and Wetting Cycles in NW China

TOPIC 2

5. **Jelena Bećagović, Vesna Nikolić Jokanović**

Project of Hydrological Station in the Watershed of Tekeniš

TOPIC 3

6. **Stefan Marinković**

Application of Infiltration Banquets within the Erosion Control Landscaping of the Bela Zemlja Site in the Sejanička River Basin

7. **Snežana Kecman**

Green Infrastructure, Biodiversity and Climate Change

8. **Jelena Petrović**

Application of Sustainable Management of Land Resources Model - Morphological Unit Žarkovo – Bele Vode

9. **Tamara Bosić**

Ecosystem Approach to Sustainable Management of Land and Water Resources – Leap for the Settlement of Dobrnja (Petrovac Na Mlavi) Case Study

TOPIC 4

10. **Vukašin Rončević, Miodrag Zlatić, Mirjana Todosijević, Nada Dragović**

Environmental and Economic Effects of Investments in Sustainable Land Management in the Morphological Unit of Šutilovac Stream

11. **Boban Pavlović**

The Analysis of the Soil Thematic Strategy – Case Study the Leap of Village Radljevo

12. **Una Dovezenski**

Mutual Effects of Reservoirs Construction and Sociodemographic Development in Zaovine Area

13. **Natalija Momirović, Sonja Braunović, Filip Jovanović, Milan Kabiljo, Zoran Miletić**

The Effects of Erosion Control Works in the Basin of the Palojska River in Southeast Serbia

30.11.2018.

PLENARY SESSIONS, CONCLUSIONS AND RECOMMENDATIONS OF THE CONFERENCE

09:00 – 11:00 **Chairpeople: Katarina Lazarević and Miodrag Zlatić**

FIELD TRIP WITH LUNCH

11:30 – 16:00 Experimental farm of Faculty of Agriculture, Radmilovac (Belgrade surrounding)