



УНИВЕРЗИТЕТ
БЕОГРАДУ



УНИВЕРЗИТЕТ У БАЊОЈ ЛУЦИ
UNIVERSITY OF BANJA LUKA



International conference on transboundary catchment erosion and pollution problems

19-24 July, 2023 | Belgrade, Serbia

Organizers: University of Belgrade, Center of Russian Geographical Society in Serbia, Lomonosov Moscow State University, Geographical Institute "Jovan Cvijić" SASA, University of Banja Luka, WASWAC, IAHS



About Belgrade

Belgrade is the capital and largest city of Serbia. It is located at the confluence of the Sava and Danube Rivers and at the crossroads of the Pannonian Plain and the Balkan Peninsula. The population of the Belgrade metropolitan area is about 1,680,000 according to the 2022 census and it is the third most populous city on the Danube River. Belgrade is one of the oldest continuously inhabited cities in Europe and the world. It's history was very turbulent from prehistoric times: the Vinča culture, evolved within the Belgrade area in the 6th millennium BC, through the ancient times and the Romans, then through Slavs and Byzantine Empire in the Middle Ages, becoming the capital of Serbia for the first time under Stefan Lazarević in XV century, followed by frequently passages from Ottoman to Habsburg rule, until it finally became again the capital of Serbia in 1841, and staying the capital city of all former country names: Kingdom of Serbia, Yugoslavia, Republic of Serbia.

Belgrade has special administrative status within Serbia. It is the seat of the central government, administrative bodies, and government ministries, as well as home of almost all of the largest Serbian companies, media, scientific and educational institutions. Also in the recent years it became also the city well known for its tourism and nightlife. But most important are the people that live in this city, which are always friendly and hospitable to all visitors and making guests want to return to Belgrade. **WELCOME!**

How to get from Belgrade Airport to city center

Although right now it is a bit chaotic, because of the reconstruction works at Airport there is a public transportation from Airport to city center by Minibus A1 (about every 20 min) and Bus 72 (about every 30 min). But the best transport option, especially at late night, is taxi (about 3000RSD (25 EUR)). Our suggestion is that you let us know the time of your flight arrival and we can organize and arrange transport for you.

The Conference Venue locations

20 July

Rectorate building of the University of Belgrade

Address: Studentski trg 1, Belgrade, <https://goo.gl/maps/o8njU4ufKQq2prUJA>

Ceremonial Hall of the Rectorate of the University of Belgrade



The origin of the University of Belgrade can be tracked down to the beginning of the 19th century, when Dositej Obradović founded the College in 1808. Thirty years later, the Lyceum was founded in Kragujevac, and on September 24, 1863, the Law on the Advanced School Founding was adopted. It was by power of this Law that the Lyceum was transformed into the The Higher School. This institution was situated in the edifice that one of the wealthiest Serbs of the time, Captain Miša Anastasijević, had bequeathed to his fatherland. To this day, this is considered one of the most beautiful buildings in Belgrade.

The Higher School was well recognized not only in Serbia, but also throughout Europe. Under the auspices of the University of Belgrade, the universities in Novi Sad, Niš, Priština, Kragujevac and what is today Podgorica, Montenegro were founded. The University of Belgrade is prepared to maintain and enhance its position as the leading institution of higher education in the region by adapting to the challenges of modern times on one hand, and preserving what's worth in its tradition on the other. Today University of Belgrade consists of 31 Faculties, 11 Institutes and other centers. Research and study of various aspects of hydrology is accomplished at Faculty of Geography, Faculty of Civil Engineering, Faculty of Forestry and Faculty of Mining and Geology.

21 July

Russian Center of Science and Culture

Address: Kraljice Natalije 33, Belgrade, <https://goo.gl/maps/aZAbGhvskd6kBob18>



The Russian Center for Science and Culture (RCSC) in Belgrade is the representative office in the Republic of Serbia of the Federal Agency ROSSOTRUDNICHESTVO. The RCSC sees its main task as strengthening friendly, cultural, interethnic ties between the two fraternal countries - Russia and Serbia. Being the oldest Russian cultural center abroad, having a unique history and rich accumulated experience, the Russian House in Belgrade has been and is the focus of the spiritual life of the Russian community. The Serbian public also traditionally shows interest in Russian culture, history, language, and treats the cultural and educational activities of the RCSC with great attention and participation.

How to get to the Venue locations or City center

The venue locations are in the city center and you can reach them by walking from majority of Belgrade's hotels and other major accommodations. There is a good public transport, but also taxi in Belgrade is relatively affordable and the average price is about 5-8 euros per ride.

Accommodation

You can book accommodation in hotels, hostels and private apartments, via their official websites or through Booking.com. Here are some hotel recommendations near Conference Venues:

Hotel Palace, www.palacehotel.rs

Hotel Marshal Garni, <https://hotelmarschal.rs/>

Hotel Majestic, <http://majestic.rs/>

Belgrade Art Hotel, Knez Mihailova 27, Beograd

Mercure Belgrade Excelsior, Kneza Miloša 5, Beograd [Hotel in Belgrade - Mercure Belgrade Excelsior - ALL - ALL \(accor.com\)](#)

More info:

The official currency of Serbia is the Dinar (RSD). Credit cards are accepted in most hotels and shops, and nearly all ATMs accept international bank cards. You can exchange money at any exchange office, as the currency is state controlled. The weather in Serbia in July is very hot with maximum temperatures between 30° and 32°, so light clothes and fresh water is recommended. In the city center you have a large selection of fine and casual dining restaurants and they all serve great food. Also, there are fast food restaurants. Many shops are in the city center, and for a more demanding shopping we recommend Rajičeva shopping center, which is within the very city center.

If you find some free time, we recommend you to visit some of Belgrade's landmarks, that are all in walking distance from very city center, such as: Kalemegdan Fortress, Walk around Stari grad and Dorćol neighborhoods with all representative architecture, visit National Museum, Ethnographical Museum and unique in the world Nikola Tesla Museum. You can also visit Saint Sava Cathedral or take a boat cruise on Sava River, and in the evening the Skadarlija street, known as the main bohemian quarter of Belgrade.

CONFERENCE PROGRAM

Types of presentations

The official language of the Conference is English. Presentations can be in ORAL or POSTER format. Duration of oral presentation in Plenary section is limited to **25 min**, while in regular sessions to **15 min**. Presentations should be prepared in **.ppt** and **.pptx** formats, in English. You can handover them at the conference, but we recommended to send them earlier, until **18th July** to the mail basenet2023@gmail.com

19 July 2023	City center walking tour with Marko Urošev
17:00	Meeting place: In front of Rectorate building of the University of Belgrade
17:00 – 19:00	City center and Kalemegdan Fortress
19:00 – 20.30	River cruise on Sava and Danube river (2100 RSD(18EUR)) (Jahting klub Kej, <a (klubkej.com)"="" -="" beogradom,="" dunavom="" href="http://Jahting klub " i="" kej"="" krstarenje="" plovidba="" savom="">Jahting klub "Kej" - Krstarenje Beogradom, plovidba Dunavom i Savom (klubkej.com))
21:00	Back to the starting point (Rectorate building)

Registration for walking tour is recommended before **15 July** on emails: basenet2023@gmail.com and m.urosev@gi.sanu.ac.rs

20 July 2023	Rectorate building of the University of Belgrade Address: Studentski trg 1, Belgrade, Ceremonial Hall of the Rectorate of the University of Belgrade
08:00 – 09:30	Registration
09:30 – 10:15	Opening ceremony (Chairs: Milinčić, Kasimov, Ristić, Zlatić, Urošev) Prof. Ratko Ristić, Vice-Rector for international cooperation of University of Belgrade Prof. Miroljub Milinčić, Center of Russian Geographical Society in Serbia Prof. Nikolay Kasimov, Lomonosov Moscow State University Prof. Velimir Šećerov, Dean of Geographical Faculty, University of Belgrade Prof. Goran Trbić, Dean of Faculty of Natural Sciences and Mathematics, University of Banja Luka Prof. Miodrag Zlatić, Immediate Past President of WASWAC Marko Urošev, Geographical Institute “Jovan Cvijić” SASA
Plenary session 1 (Chairs: Milinčić, Kasimov, Ristić, Zlatić, Urošev)	
10:15 – 10:40	Jeffrey A. Nittrouer ANTHROPOGENIC ALTERATIONS OF LOWLAND RIVER SYSTEMS AND UNEXPECTED RESPONSES AS MEASURED AND MODELED FOR TWO CASE STUDIES: THE MISSISSIPPI RIVER (U.S.A.) AND THE YELLOW RIVER (CHINA)
10:40 – 11:05	Nikolay Kasimov, Vasily Efimov, Mikhail Lychagin, Galina Shinkareva, Maria Zavadskaya, Sergey Chalov, Endon Garmaev METALS AND METALLOIDS BACKGROUND VALUES, PARTITIONING AND FLUX IN LARGE RIVERS OF NORTHERN EURASIA
11:05 – 11:30	Ratko Ristić, Jasna Plavšić, Marijana Kapović Solomun, Aleksandar Drobnjak, Siniša Polovina TORRENTIAL FLOODS PREVENTION

11:30 – 12:00	Coffee Break
Session 1: Transboundary water and sediment pollution (Chairs: Urošev, Chalov, Jarsjö)	
12:00 – 12:15	Mirosljub A. Milinčić, Danijela Vukočić, Dejana Jovanović Popović, Dušan Ristić, Ljiljana Mihajlović, Dragan Petrović TERRITORY OF SERBIA AS INDICATOR OF TRANSBOUNDARY AND DOMESTIC WATERS OF SOUTHEASTERN EUROPE
12:15 – 12:30	Nebojša Veljković, Tamara Perunović Čulić, Ljubiša Denić, Tatjana Dopuđa Glišić, Ivana Marić TRANSBOUNDARY WATER AND SEDIMENT POLLUTION - ANALYSIS OF MONITORING RESULTS IN SERBIA
12:30 – 12:45	Gergely T. Török, Sándor Baranya, Gary Parker THE INVESTIGATION OF MORPHODYNAMIC PROCESSES OF A HUNGARIAN DANUBE SECTION
12:45 – 13:00	Moroşanu Gabriela Adina, Sima Mihaela MINING AND WATER POLLUTION IN THE HYDROGRAPHIC BASINS OF THE APUSENI MOUNTAINS, ROMANIA
13:00 – 13:15	Radovan Savic, Milica Stajic, Sanja Antic, Vesna Nikolic Jokanovic, Aleksandar Baumgertel POINT OR NONPOINT POLLUTION – WHAT IS THE DOMINANT SOURCE OF MACRONUTRIENTS IN THE SEDIMENTS OF DRAINAGE CANALS?
13:15 – 13:30	Umyvakın V.M., Kochurov B.I., Kachanov S.A., Kapralny Yu.V. GEOQUALIMETRIC AND CARTOGRAPHIC MODELS OF THE LEVEL OF EROSION-ENVIRONMENTAL HAZARD OF WATERSHEDS
13:30 – 13:45	Sanja Manojlović, Marko Milošević, Tanja Srejić SPATIAL AND TEMPORAL VARIABILITY OF SEDIMENT AND DISSOLVED LOADS IN THE NIŠAVA RIVER (EASTERN SERBIA)
13:45 – 14:00	Poster session
14:00 – 15:00	Lunch
Session 2 (part 1): Balkan region water and erosion problems (Chairs: Minčev, Urošev, Török)	
15:00 – 15:15	Tin Lukić, Tanja Micić Ponjiger, Slobodan B. Marković EVALUATION OF RAINFALL EROSIVITY IN THE SE EUROPE
15:15 – 15:30	Kachanov S.A., Nigmatov G.M., Kapralniy Yu.V. METHODOLOGY FOR MONITORING THE RISKS OF COLLAPSE OF ROADS, BUILDINGS AND STRUCTURES DUE TO SOIL EROSION
15:30 – 15:45	Ivica Milevski, Bojana Aleksova, Tin Lukić, Aleksandar Valjarevi GIS-BASED MODELLING OF EXCESS EROSION AND LANDSLIDE SUSCEPTIBILITY AREAS ON THE NATIONAL LEVEL: EXAMPLE OF NORTH MACEDONIA
15:45 – 16:00	Mincev I., Trendafilov A., Ivanoski D., Trendafilov B. MEASURING AND MODELLING RESERVOIR SEDIMENTATION IN NORTH MACEDONIA
16:00 – 16:30	Coffee Break
16:30 – 16:45	Blinkov I., Krstic S., Kostadinovski M., Kusterevska R., Mincev I., Zaimi K., Elbasani O., Peci D., Simixhiu V., Zennaro B.

	SHOREZONE FUNCTIONALITY INDEX – AN APPROACH TO SUPPORT WATER FRAMEWORK DIRECTIVE – CASE STUDY LAKE PRESPA
16:45 – 17:00	Igor Leščešen, Biljana Basarin WHAT IS HAPPENING WITH DANUBE RIVER DISCHARGE?
17:00 – 17:15	Andrijana Todorović LONG-TERM CHANGE IN HYDROCLIMATIC REGIMES IN CATCHMENTS ACROSS SERBIA
17:15 – 17:30	Jelena Kovačević-Majkić KEY ROLE OF FLOOD EXPOSURE IN FLOOD RISK MANAGEMENT IN SERBIA
20.00	CONFERENCE DINNER , Participation – 20 EUR, Venue: TBC

21 July 2023	Russian Center of Science and Culture Address: Kraljice Natalije 33, Belgrade
08.30 – 09.30	Registration
Plenary session 2 (Chairs: Milinčić, Golosov, Dong)	
09:30 – 09:55	Miodrag Zlatić IMPORTANCE OF SUSTAINABLE LAND MANAGEMENT ON THE SURVIVAL OF PRECIOUS LAND AND WATER RESOURCES
09:55 – 10:20	Jerker Jarsjö IMPACTS OF CLIMATE CHANGE ON THE MOBILIZATION OF METALS FROM CONTAMINATED SOIL TO GROUNDWATER - RIVER SYSTEMS
10:20 – 10:45	Sergey Chalov, Vsevolod Moreido, Mikhail Lychagin, Nikolay Kasimov UNRAVELING THE HYDROMORPHOLOGICAL IMPACT ON TERRESTRIAL SEDIMENT FLUXES ALONG ESTUARIES OF LAKE BAIKAL TRIBUTARIES
10:45 – 11:15	Coffee Break
Session 3: Baikal Lake as a World heritage transboundary catchment under threat (Chairs: Kasimov, Nittrouer)	
11:15 – 11:30	Valentin Golosov, Nadezda Ivanova, Sergey Chalov, Ellina Zakharova APPLICATION OF ¹³⁷CS FOR EVALUATION FOR SPATIAL-TEMPORAL REDISTRIBUTION OF SEDIMENT AND SEDIMENT-ASSOCIATED POLLUTANTS
11:30 – 11:45	Tian Y. Dong UNDERSTANDING WATER AND SEDIMENT DISPERSAL AT THE SELENGA DELTA ACROSS SCALES
11:45 – 12:00	Vsevolod Moreido THE BAIKAL LAKE TRIBUTARIES: MODELLING CURRENT STREAMFLOW TO PROJECT FOR FUTURE AND REVEAL THE PAST
12:00 – 12:15	Vsevolod Moreido, Sergey Chalov ASSESSMENT OF THE GOLOUSTNAYA RIVER ESTUARY IN WESTERN BAIKAL FROM A HYDROLOGICAL AND HYDROMORPHOLOGICAL PERSPECTIVE
12:15 – 13:30	Lunch

Session 2 (part 2): Balkan region water and erosion problems (Chairs: Urošev, Moreido)	
13:30 – 13:45	Aleksandar Anđelković, Siniša Polovina, Iskra Ložaić MONITORING OF SURFACE WATER QUALITY ALONG THE COAST OF GREAT WAR ISLAND
13:45 – 14:00	Ivan Mijanović, Dragan Burić, Miroslav Doderović, Dragoslav Banjak, Jovan Mihajlović ASSESSMENT OF WATER QUALITY PLAVSKO LAKE (MONTENEGRO)
14:00 – 14:15	Dragoslav Banjak, Dragan Burić, Miroslav Doderović, Marijan Premović, Ivan Mijanović THE INFLUENCE OF POLLUTANTS ON THE FORMATION OF THE CHEMICAL COMPOSITION OF THE RIVER SUŠICA, REPUBLIC OF SRPSKA, BOSNIA AND HERZEGOVINA
14:15 – 14:30	Emina Kričković, Tin Lukić, Tanja Srejić GEOGRAPHY OF DISEASES CAUSED BY BIOLOGICAL AGENTS FROM WATER – AP VOJVODINA
14:30 – 14:45	Ivan Potić, Nina B. Ćurčić, Teodora Popović ASSESSMENT OF SOIL EROSION IN THREE SUB-BASINS IN KOPAONIK NATIONAL PARK (SERBIA), EMPLOYING SWAT AND REMOTE SENSING
14:45 – 15:00	Vukašin Rončević, Nikola Tričković, Nikola Živanović, Tara Grujić, Luka Stefanović, Nikola Jovanović, Miodrag Zlatić FUTURE AGRICULTURAL PRODUCTION STRUCTURE MODEL (FAPSMS) IMPACT ON SOIL EROSION
15:00 – 15:30	Coffee Break
15:30 – 15:45	Nikola Tričković, Vukašin Rončević, Nikola Živanović, Tara Grujić, Luka Stefanović, Nikola Jovanović, Miodrag Zlatić ECONOMIC EFFECTS OF APPLYING FUTURE AGRICULTURAL PRODUCTION STRUCTURE MODEL (FAPSMS)
15:45 – 16:00	Tara Grujić, Elmira Saljnikov, Marina Jovković, Snežana Belanović Simić, Slobodan Krnjajić, Žaklina Marjanović ASSESSMENT OF PLASTIC POLLUTION OF THE SOIL ENVIRONMENT
16:00 – 16:15	Vulević, T., Lazarević K., Todosijević M., Dragović N., Momirović N. IMPACTS OF MINING ON SOIL AND WATER – ECOSYSTEM SERVICES APPROACH
16:15 – 16:30	Nikola Živanović, Vukašin Rončević, John H. van Boxel, Thomas Iserloh, Snežana Štrbac, Milica Kašanin-Grubin, Nevena Antić, Stevan Ćorluka RAINFALL SIMULATORS FOR SOIL RESEARCH – CONSTRUCTION AND DEVELOPMENT
16:30 – 16:45	Dejana Jovanović Popović, Miroljub A. Milinčić, Jasmina Gačić, Jelena Ćesarević ILLEGAL, UNREPORTED AND UNREGULATED FISHING AS A THREAT TO ENVIRONMENTAL SECURITY FOR THE DANUBE
17:00 – 17:30	Closing ceremony

Poster session

Ana Milanović Pešić, Milovan Milivojević, Dejana Jakovljević
DISCHARGE VARIABILITY OF THE RIVERS IN THE ŠUMADIJA REGION (SERBIA)

Dusko Vujacic, Goran Grozdanic, Ivica Milevski
HYDROGRAPHIC CHARACTERISTICS OF POLIMLJE

Igor Leščešen, Ana M. Petrović
FREQUENCY ANALYSIS OF TORRENTIAL FLOODS OF TOPČIDERSKA REKA AND LEPENICA

Poster Guidelines

- Title Placement:* Position the title of your paper prominently at the top of the poster to ensure easy identification by viewers. Include the names of the authors and their contact information to enable interested viewers to reach out for further details.
- Official Graphic:* Incorporate official graphic on your poster to indicate whether photography is allowed or prohibited.
- Diagrams and Charts:* Prepare all diagrams and charts neatly and legibly. Ensure they are sized appropriately to be legible from a distance of 1.5-2.0 meters. Use distinct colors or line types for each line or bar in your graphs or charts.
- Organization:* Structure your poster in a clear, orderly, and self-explanatory manner. It should cover the same content as your abstract. Label different elements sequentially (1, 2, 3) or using alphabets (A, B, C) to facilitate easy comprehension for viewers.
- Background, Results, and Conclusions:* Include the background of your research followed by the presentation of results and conclusions. The effectiveness of your poster presentation relies on how well you communicate information to an interested audience.
- Paper Quality:* Ensure that the paper you print your poster on is of high quality and does not allow light to shine through
- The advised size of the poster is A1 (594x841mm).*
- Authors are kindly asked to put up their posters as soon as possible on the first day of the conference (**during the registration 20 July between 08:00–09:30**).
- Presenting authors are kindly asked to be present at their on-site poster board during the poster sessions (**20 July, 13:45 – 14:15**).

22 July – 23 July 2023	Field Trip
22 July – 09.00	Departure from Belgrade , visit to various sites in Šumadija and Pomoravlje region, Accommodation at Kopaonik mountain and round trip to Belgrade.
23 July – 17.30	Belgrade Airport and Belgrade city center
Participation	80 EUR

Registration for field trip is required in advance, not later than **15 July**. E-mail for field trip registration: basenet2023@gmail.com

Contact information:

E-mail: basenet2023@gmail.com Web: <https://sediment.ru/basenet2023>

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