



DANUBE CONFERENCE 2019

**XXVIII CONFERENCE
OF THE DANUBIAN
COUNTRIES ON HYDROLOGICAL
FORECASTING AND HYDROLOGICAL
BASES OF WATER MANAGEMENT**

Kyiv, Ukraine
November 6-8, 2019

OVERALL PROGRAMME

Hotel «Salute», 11-B, Ivana Mazepy Str., Kyiv		
5 November		
TIME	PLACE	EVENT
17.00-18.00	Meeting Room (1 floor)	Working Meeting on the initiative IHP Slovakia
18.00-20.00	Meeting Room (1 floor)	The 29 th Working Meeting of the Regional Hydrological Co-operation of the Danube Countries in the framework of IHP/UNESCO
20.00-21.00	Restaurant "Salute" (2 floor)	Dinner (for the 29 th Working Meeting participants)
6 November		
08.30-10.00	Conference-hall "Salute" (12 floor)	Registration
10.00-10.30	Conference-hall "Salute" (12 floor)	Opening Session
10.30-11.30	Conference-hall "Salute" (12 floor)	Topic 1 Basis of hydrology Topic 2 Hydrological data management
11.30-12.00	Rooms for coffee breaks of the Conference-hall "Salute" (12 floor)	Coffee break
12.00-13.00	Conference-hall "Salute" (12 floor)	Topic 2 Hydrological data management
13.00-14.30	Restaurant "Salute" (2 floor)	Lunch
14.30-16.00	Conference-hall "Salute" (12 floor)	Topic 3 Hydrological modelling and forecasting
16.00-16.30	Rooms for coffee breaks of the Conference-hall	Coffee break Poster session

	"Salute" (12 floor)	
16.30-18.00	Conference-hall "Salute" (12 floor)	Topic 3 Hydrological modelling and forecasting Topic 4 Disaster events
18.30-21.00	Restaurant "Salute" (2 floor)	Gala Dinner
7 November		
10.00-11.30	Conference-hall "Salute" (12 floor)	Topic 4 Disaster events
11.30-12.00	Rooms for coffee breaks of the Conference-hall "Salute" (12 floor)	Coffee break Poster session
12.00-13.00	Conference-hall "Salute" (12 floor)	Topic 5 River Basin and Water Management
13.00-14.30	Restaurant "Salute" (2 floor)	Lunch
14.30-15.15	Conference-hall "Salute" (12 floor)	Topic 5 River Basin and Water Management Topic 6 Water quality and pollutants
15.15-16.00	Rooms for coffee breaks of the Conference-hall "Salute" (12 floor)	Coffee break Poster session
16.00-16.30	Conference-hall "Salute" (12 floor)	Topic 6 Water quality and pollutants
16.30-17.30	Conference-hall "Salute" (12 floor)	Closing of XXVIII Conference of the Danubian countries
18.00-19.00	Restaurant "Salute" (2 floor)	Dinner
8 November		
Excursion tour		
10.00-13.00	Start of excursion near the hotel "Salute"	Excursion "Kyiv is the capital of Ukraine"
13.00-14.00	Restaurant	Lunch
14.00-16.00	End of excursion near the Kyiv-Pechersk Lavra	Visiting Kyiv-Pechersk Lavra

DETAILED PROGRAMME

Tuesday, 05.11.2019	
06.30-23.00	Arrival of conference participants
17.00-18.00	Working Meeting on Flood Regimes of the Rivers in the Danube Basin
18.00-20.00	The 29 th Working Meeting of the Regional Hydrological Co-operation of the Danube Countries in the framework of IHP/UNESCO
20.00-21.00	DINNER (for the 29 th Working Meeting participants)
Wednesday, 06.11.2019	
08.30-10.00	Registration
10.00-10.30	OPENING SESSION Chairperson: <i>Liudmyla Gorbachova</i> Welcome words
10.30-10.45	TOPIC 1 BASIS OF HYDROLOGY
10.30-10.45	<i>Plamen Ninov, Tzviatka Karagiozova</i> Monitoring and investigation of intermittent rivers in Bulgaria
10.45-11.30	TOPIC 2 HYDROLOGICAL DATA MANAGEMENT
10.45-11.00	<i>Stephan Dietrich, Ulrich Looser, Udo Schneider, Philipp Saile, Thomas Recknagel, Dmytro Lisniak, Claudia Färber, Irina Dornblut, Markus Ziese, Elke Rustemeier, Sven-Henrik Kleber, Andreas Becker, Harald Köthe</i> State of the art of global hydrological data assessment with a focus on the Danube basin
11.00-11.15	<i>Stevan Prohaska, Aleksandra Ilić, Pavla Pekarova</i> Assessment of the statistical importance of the Danube River historical floods
11.15-11.30	<i>Harald Köthe & Sabina Bokal</i> DriDanube (Drought Risk in the Danube Region) – A new Drought User Service . - Integrated Drought Management Programme in Central and Eastern Europe, Global Water Partnership CEE/ GWP Ukraine
11.30-12.00	COFFEE BREAK
12.00-13.00	TOPIC 2 HYDROLOGICAL DATA MANAGEMENT Chairperson: <i>Yurii Nabyvanets</i>
12.00-12.15	<i>Dániel Koch, Enikő Anna Tamás, Beáta Bényi</i> Statistical analysis of the runoff in the East Mecsek region (Hungary) in order to understand climatic variability based on hydro-meteorological records

12.15-12.30	<i>Liudmyla Gorbachova, Borys Khrystiuk, Viktoriia Prykhodkina</i> The design snow-rain flood estimation at ungauged sites in the Tysa River Basin, Ukraine
12.30-12.45	<i>Zhannetta Shakirzanova, Anhelina Dokus, Yelyzaveta Romanova</i> The long-term forecasting of hydrological condition of small rivers and filling of the lakes in Danube region during the spring period of year
12.45-13.00	<i>Andrej Vidmar, Klaudija Sapač, Katarina Zabret, Petra Pergar, Nejc Bezak, Andrej Kryžanowski</i> Development of the GIS-based KR PAN application for calculating expected annual flood damage
13.00-14.30	LUNCH
14.30-16.00	TOPIC 3 HYDROLOGICAL MODELLING AND FORECASTING Chairperson: Valeriya Ovcharuk
14.30-14.45	<i>Csilla Farkas, Marianne Bechmann, Eva Skarbøvik</i> Modelling water quality under changing conditions in a Nordic catchment
14.45-15.00	<i>Petr Janál</i> Fuzzy logic based flash flood forecast
15.00-15.15	<i>Kateřina Knoppová, Daniel Marton, Petr Štěpánek</i> Application of rainfall-runoff model: climate change impacts on reservoir inflow
15.15-15.30	<i>Jūratė Kriaučiūnienė, Diana Šarauskienė, Vytautas Akstinas, Darius Jakimavičius</i> Projection of Lithuanian river runoff and water temperature
15.30-15.45	<i>Nataliia Loboda, Yuliia Bozhok</i> Application of the "climate-runoff" model to the assessment of the Dunabe River basin water resources in the XXI century according to the climate scenarios (A1B)
15.45-16.00	<i>Harald Köthe & Eddy Moors</i> <i>UNESCOs Water Musea at the Danube river</i>
16.00-16.30	COFFEE BREAK POSTER SESSION
16.30-18.00	TOPIC 3 HYDROLOGICAL MODELLING AND FORECASTING Chairperson: Pavol Miklánek
16.30-16.45	<i>Valeriya Ovcharuk, Eugeny Gopchenko, Maryna Goptsiy, Nataliya Kichuk</i> Model of formation maximal runoff on the small river in the Ukrainian part of Danube basin
16.45-17.00	<i>Juraj Parajka, Jürgen Komma, Borbála Széles, Günter Blöschl</i>

	High-Resolution Soil Moisture Modelling over Austria
17.00-17.15	<i>Andrej Vidmar and Mitja Brilly</i> Calibration of hydrological models by PEST model
17.15-17.30	<i>Mojca Šraj, Mitja Brilly, Mira Kobold, Sašo Petan, Nejc Bezak, Andrej Vidmar</i> Overlook on the Danube River Basin hydrological forecast (DAREFFORT project)
17.30-17.45	<i>Monica Ionita and Viorica Nagavciuc</i> The potential of predicting low flow periods for the central European rivers with a special focus on summer 2018
17.45-18.00	<i>Helmut Habersack, Philipp Gmeiner, Marlene Haimann, Sándor Baranya, Katarína Holubová, Florin Vartolomei</i> Alteration of the sediment balance – a significant water management issue in the Danube River Basin
18.30-21.00	GALA DINNER
Thursday, 07.11.2019	
10.00-11.30	TOPIC 4 DISASTER EVENTS Chairperson: Yuriy Ilyin
10.00-10.15	<i>Tzviatka Karagiozova, Plamen Ninov</i> Hydrological drought and fire relationship
10.15-10.30	<i>Ondrej Ledvinka, Pavel Coufal</i> Development of streamflow drought indices in the Morava River Basin
10.30-10.45	<i>Olga Lukianets, Oleskandr Obodovskyi, Vasyl Grebin, Olena Pochaievets</i> Time series analysis and forecast estimates of the mean annual water runoff of rivers in of the Prut and Siret basins (within Ukraine)
10.45-11.00	<i>Simona-Olimpia Negru, Viorel Chendeş, Sorin Rândaşu, Marius Matreaţă, Andreea Gălie</i> Present actions regarding flood risk assessment and reduction in Romania
11.00-11.15	<i>Pavla Pekárová, Pavol Miklánek, Veronika Bačová Mitková, Marcel Garaj, Ján Pekár</i> Assessment harmonization problems of the long return period floods on the Danube river
11.15-11.30	<i>Mitja Brilly, Mojca Šraj and Stefano Grimaz</i> Visual inspection for defining safety upgrading strategies for school buildings - visus
11.30-12.00	COFFEE BREAK POSTER SESSION
12.00-13.00	TOPIC 5 RIVER BASIN AND WATER MANAGEMENT

	Chairperson: <i>Jūratė Kriaučiūnienė</i>
12.00-12.15	Bernd Cyffka Danube floodplain project
12.15-12.30	Kostiantyn Danko, Yurii Nabyvanets, Yuliia Filippova, Viktoriia Korniienko, Oleksandr Lobodzynski, Kateryna Surai, Andrii Malyshev, Kostiantyn Sokolchuk Steps to implement of Directive 2007/60/EC in Ukraine and preliminary flood risk assessment
12.30-12.45	Cristina Sandu, Thomas Hein, Jürg Bloesch, Bernd Cyffka, Artem Lyashenko HYDROLOGY AND LIMNOLOGY - KEY TOOLS IN RIVER BASIN MANAGEMENT
12.45-13.00	Klaudija Sapač, Simon Rusjan, Nejc Bezak, Mojca Šra Analysis of low-flow conditions in a heterogeneous karst catchment as a basis for future planning of water resource management
13.00-14.30	LUNCH
14.30-15.15	TOPIC 5 RIVER BASIN AND WATER MANAGEMENT Chairperson: <i>Yurii Nabyvanets</i>
14.30-14.45	Enikő Anna Tamás, István Göttlinger, Emese Kutassy Lowland runoff survey and modeling for decision support in management of the transboundary Palic-Ludas catchment area
14.45-15.00	Viktor Vyshnevskiy, Sergii Shevchuk, Tetiana Matiash Water resources of the left bank territory of the Lower Danube and their use
15.00-15.15	TOPIC 6 WATER QUALITY AND POLLUTANTS
15.00-15.15	Yuriy Ilyin, Danylo Ilyin, Olena Ilyina, Denys Klebanov Long-term changes of water quality indicators in the Danube river Kiliya delta
15.15-16.00	COFFEE BREAK POSTER SESSION
16.00-16.30	TOPIC 6 WATER QUALITY AND POLLUTANTS Chairperson: <i>Yurii Nabyvanets</i>
16.00-16.15	Volodymyr Osadchyi, Nataliia Osadcha, Olga Ukhan, Yurii Nabyvanets, Denys Klebanov, Dmitro Kozhemjakin Chemical composition and water quality of the Danube and Dnieper river basins under climate changes and man-made load
16.15-16.30	Nataliia Osadcha, Volodymyr Osadchyi, Leonid Kovalchuk, Oleg Skrynyk The separation of the observed concentrations of chemical components of surface waters into components: concentrations of

	the climatic norm, concentrations due to climate change, concentrations of anthropogenic origin
16.30-17.30	CLOSING OF XXVIII CONFERENCE OF THE DANUBIAN COUNTRIES
18.00-19.00	DINNER

POSTER SESSION	
BASIS OF HYDROLOGY	
<i>Hana Hornová, Ivana Černá</i>	Monitoring and evaluation of groundwater levels at Ladna hydrogeological profile
<i>Gábor Keve</i>	Determining accurate ice coverage on Danube by webcams
<i>Yelyzaveta Romanova, Zhannetta Shakirzanova, Yuliya Medvedeva</i>	The possible ways of rational use the Katlabuh lake's water resources on the base of water-salt balance
HYDROLOGICAL DATA MANAGEMENT	
<i>Oleksandr Aksiuk, Valentyn Lanshyn, Hanna Honcharenko</i>	The modern medium-scale mapping of the avalanche danger in the Ukrainian Carpathians
<i>Elena Kirilova Bojilova</i>	Estimation of the minimum monthly average river discharge with selected probability of occurrence at the point of each effluent or water abstraction facility in the Yantra river basin, North Bulgaria
<i>Elena Kirilova Bojilova</i>	An estimate of 10% of the average annual river discharge at the point of any effluent or water abstraction facility in the Yantra river basin
<i>Hanna Bolbot, Vasyl Grebin, Volodymyr Osadchyi</i>	Assessment of perennial fluctuations of average annual water discharges of the Siverskyi Donets River Basin
<i>Borys Khrystiuk</i>	Evaporation from the water surface in the Tisza river basin on the territory of Ukraine
<i>Jakub Mészáros, Pavla Pekárová, Pavol Miklánek, Dana Halmová, Ján Pekár</i>	Peak-flow frequency estimates and regionalization for streamflow-gauging stations in Slovakia
<i>Valeriya Ovcharuk, Lilia Kyschenko, Olena Todorova, Oleg Prokofiev</i>	Minimal runoff of small rivers within sub-basin Lower Danube and Black Sea rivers basin district
DISASTER EVENTS	

<p><i>Veronika Bacova Mitkova, Dana Halmova</i> Estimation of the flood maximum volumes for various durations of the river runoff and their mutual dependences: a case study on Hron River in Slovakia</p>
<p><i>Yuliia Filippova</i> General features of the formation maximum flow in the Pripjat River sob-basin</p>
<p><i>Olga Lukianets, Liudmyla Malytska, Stanislav Moskalenko</i> Maximum rivers runoff in the basin of Tysa and Prut within Ukraine</p>
<p><i>Viacheslav Manukalo, Viktoriia Boiko, Nataliia Holenya</i> The WMO project on cataloging hazardous hydrometeorological events: lessons learned by Ukraine</p>
<p>RIVER BASIN AND WATER MANAGEMENT</p>
<p><i>Balabukh V., Dovgal A., Krakovska S., Lavrinenko O., Malytska L., Samchuk E, Yagodinets S.</i> Electronic atlas "Actual and forecasted changes of the climate system in Ukraine"</p>
<p><i>Balabukh V., Malytska L., Lavrinenko O.</i> Spatial-temporal precipitation change in Ukraine</p>
<p><i>Yevheniia Vasylenko, Olha Koshkina, Oksana Konovalenko, Yurii Nabyvanets</i> Database of river water bodies hydromorphological monitoring</p>
<p><i>Ilona Kása, Zsófia Bakacsi, Csilla Farkas</i> Evaluation of the impact of land use and climate change on the nitrate load of a small catchment using hydrological models</p>
<p><i>Valentyn Khilchevskiy, Vasyl Grebin, Nataliia Sherstyuk</i> Modern hydrographic and water management zoning of Ukraine's territory in 2016 – implementation of the WFD-2000/60/EC</p>
<p><i>Valeriya Ovcharuk, Nataliya Kichuk, Ivan Kichuk</i> Implementation of the Water Framework Directive IN Odessa region</p>
<p><i>Zhannetta Shakirzanova, Valeriya Ovcharuk, Eugeny Gopchenko</i> Water resource Management of floodplain lakes in Danube region (on example Yalpus-Kuhurluy)</p>
<p><i>Tetiana Zabolotnia, Liudmyla Gorbachova</i> Graphical methods of estimation of the homogeneity and stationarity of average annual flow in the Rika River Basin</p>
<p>WATER QUALITY AND POLLUTANTS</p>
<p><i>Valentyn Khilchevskiy, Vasyl Grebin, Myroslava Zabokrytska</i> Abiotic typology of the rivers and lakes of the Ukrainian sector of the Western Bug River Basin and its comparison with results of polish investigations</p>
<p><i>Peter Linnik, Vladyslav Zhezherya, Rostyslav Linnik</i></p>

The modern state of the hydrochemical regime in the Kiliya delta of the Danube River

Nataliia Osadcha, Yuliia Luzovitska, Olga Ukhan

Nitrogen and Phosphorus load In the Dnister basin in Ukraine

Friday, 08.11.2019

10.00-16.00

EXCURSION TOUR

10.00-13.00

Excursion “Kyiv is the capital of Ukraine”

13.00-14.00

LUNCH

14.00-16.00

Visiting Kyiv-Pechersk Lavra

Saturday, 09.11.2019

DEPARTURE