

XXIX Danube Conference

September 6 – 8, 2021, Brno, Czech Republic

Preliminary conference schedule

All times in CEST (UTC+2)

September 5, 2021



7:00
PM

9:00
PM

Ice breaker in hotel International

September 6, 2021



9:00
AM

9:30
AM

Registration



9:30
AM

9:40
AM

Opening ceremony
J. Danhelka, M. Brilly



9:40
AM

12:00
PM

**Data: traditional & emerging,
measurement, management &
analysis**

9:45
AM

10:00
AM

Mitja Brilly

Water governance in transition

10:00
AM

10:15
AM

Lucija Plantak

Small Scale Rivers and their impact on
the Danube River Basin

10:15
AM

10:30
AM

Valentina Sekelj

Low Flow Analysis of the Drava River

10:30
AM

10:45
AM

Kostiantyn
Sokolchuk

Estimation of spatio-temporal
variability of the minimum water runoff
of rivers in the Prut basin (within
Ukraine)

10:45
AM

11:00
AM



Coffee break

11:00
AM

11:15
AM

Katerina
Fraindova

Interactions of water chemistry in
headwaters with wetlands:
Comparative study for selected Czech
mountains

11:15
AM

11:30
AM

Mira Kobold

Influence of 30-year reference periods
on characteristic periodic discharges

11:30
AM

11:45
AM

Miriam Bertola

Modelling snow water equivalent
storage and snowmelt across Europe
with a simple degree-day model

11:45
AM

12:00
PM

Viktor
Vyshnevskiy

The climate change in the Ukrainian
part of the Danube River basin and its
possible impact on the river runoff



12:00
PM

1:00
PM

Lunch break

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1:00
PM

3:20
PM

Current status of the hydrological basis of the Danube water management (gauge network and water ecosystem)

1:05
PM

1:20
PM

Martin Bednar

Hydrological modelling to investigate climate change as part of transboundary river sediment management: Case study of the Thaya River Basin Czech Republic

1:20
PM

1:35
PM

Patrick Nistahl

Evaluation of regional and global precipitation reanalysis products for rainfall-runoff modelling in selected Slovenian catchments

1:35
PM

1:50
PM

Stevan Prohaska

Flood Discharges Analysis at River Confluences – PROIL model

1:50
PM

2:05
PM

Lotta
Blaskovicova

Changes in selected low-flow characteristics in period 2001-2015 compared with reference period 1961-2000 in Slovakia

2:05
PM

2:20
PM



Coffee break

2:20
PM

2:35
PM

Marija Sperac

Hydrological analysis of the Danube regime on the section through the Republic of Croatia and the Republic of Serbia

2:35
PM

2:50
PM

Zinaw Shenga

Groundwater response to extreme flows in Danube River

2:50
PM

3:05
PM

Katarina Zabret

Relation of influencing variables and general weather conditions on response of rainfall partitioning by birch and pine trees

3:05
PM

3:20
PM

Igor Gopchak

Qualitative analysis of surface waters of Danube river (within borders of Ukraine)



7:00
PM

9:00
PM

Dinner in Open garden

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September 7, 2021



9:30
AM

9:40
AM

Opening ceremony



9:40
AM

12:00
PM

New developments in hydrological forecasting and enabling hydrological work in the Danube catchment

9:45
AM

10:00
AM

Tena Kovacic

Rainfall thresholds related to pluvial flooding in urban areas – case study in the city of Zagreb, Croatia

10:00
AM

10:15
AM

Barbara Frielingsdorf

Developing probabilistic long-term forecasts for the upper Danube waterway

10:15
AM

10:30
AM

Helmut Habersack

Evaluation of Danube floodplains by using the Floodplain Evaluation Matrix FEM

10:30
AM

10:45
AM

Maria Sugarekova

Proposal of flood risk assessment methodology in the study time period

10:45
AM

11:00
AM



Coffee break

11:00
AM

11:15
AM

Mirza Sarac

Improvement of the operational HEC-HMS hydrological model embedded in the Flood Forecasting and Warning System of the Sava River Basin

11:15
AM

11:30
AM

Karlo Leskovar

Implementation of a Long Short-Term Memory Neural Network based hydrological model in a snow dominated Alpine basin.

11:30
AM

11:45
AM

Zoltan Liptay

Neurohydrological experiments on the Danube

11:45
AM

12:00
PM

Nesa Ilich

WEB.BM – Introducing a new tool and a new paradigm for using optimization to revise reservoir operating rules and improve real time operation



12:00
PM

1:00
PM

Lunch break

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1:00
PM

3:20
PM

Learning about hydrological extremes: then, now & in the future

1:05
PM

1:20
PM

Matej Hon

Possibilities of controlling the storage function of the reservoir using a combination of dispatching graphs and a prediction model

1:20
PM

1:35
PM

Cristian Dinu

Pluvial floods in Tulcea municipality

1:35
PM

1:50
PM

Florjana Ulaga

Public awareness about floods – High water marks

1:50
PM

2:05
PM

Ladislav Markovic

Climatology of the extreme heavy precipitation events in Slovakia in the 1951 – 2020 period

2:05
PM

2:20
PM



Coffee break

2:20
PM

2:35
PM

Martin Helms

Analysis of Low-Flow Extremes on the German Danube

2:35
PM

2:50
PM

Michel Wortmann

Future flood risk in the Danube basin: A probabilistic assessment

2:50
PM

3:05
PM

Olena Pochaievets

Estimated characteristics of the minimum water runoff of the rivers of the Tisza basin within Ukraine

3:05
PM

3:20
PM

Eva Kopacikova

SWICCA data in climate change impact study on 100-year floods



3:20
PM

3:30
PM

Coffee break



3:30
PM

3:50
PM

Young scientist award



3:50
PM

4:10
PM

Danube veterans award



4:10
PM

4:20
PM






Closing ceremony

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September 8, 2021

R-language workshop

	8:00 AM	10:00 AM	Introduction for beginners
	10:00 AM	12:00 PM	Analysis of hydrological time series
	12:00 PM	1:00 PM	Lunch break
	1:00 PM	3:00 PM	Spatial analysis
	3:00 PM	5:00 PM	Hydrological modelling