

Catchment processes in regional hydrology: experiments, patterns and predictions

International conference, 1 December 2017

ORGANIZERS:

Slovak University of Technology in Bratislava, Slovakia;
University of Sopron, Hungary;
Vienna University of Technology, Austria;
Vienna Doctoral Programme on Water Resource Systems.

VENUE:

Karlsplatz 13/222, Vienna
Böcklsaal, 1st floor

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PROGRAMME OVERVIEW:

Böcklsaal, 1st floor

Date	Time	Programme
1 Dec. 2017	08:30-09:15	Registration
	09:15-09:30	Opening: Günter Blöschl and Zoltán Gribovszki
	09:30-10:45	1st Oral Block Chairman: Silvia Kohnová
	10:45-11:00	Coffee Break
	11:00-12:15	2nd Oral Block Chairman: Zoltán Gribovszki
	12:15-13:15	Lunch Break
	13:15-14:30	Poster presentations (3 min time slots/per poster) Chairman: Kamila Hlavčová and Péter Kalicz
	14:30-16:00	Poster Session with coffee
	16:00	Closure

Detailed Programme, 1 December 2017

Böcklsaal, 1st floor

9:30-10:45 1st Oral Block

Chairman: Silvia Kohnová

<i>Nr.</i>	<i>Author</i>	<i>Title</i>
1	Jery Stedinger (30 min)	Value of historical information in flood frequency (solicited)
2	Andrea Kiss (15 min)	Floods and long-term water-level changes in medieval Hungary
3	Julia Derx (15 min)	Using QMRACatch – a hydrological process model integrating microbial infection risks – to identify sustainable management options for long term drinking water resource planning
4	Anna Kis (15 min)	Comparing bias-corrected RCM simulations with a special focus on hydrological applications

10:45-11:00 Coffee Break

11:00-12:15 2nd Oral Block

Chairman: Zoltán Gribovszki

<i>Nr.</i>	<i>Author</i>	<i>Title</i>
1	Tímea Baross (15 min)	Estimation of evapotranspiration rates of Lake Neusiedl and its watershed in a monthly scale
2	Kevin Mátyás (15 min)	Mapping seasonal runoff in northwestern Hungary
3	András Szabó (15 min)	Subsurface ion accumulation and tree root-groundwater connections under Black locust (<i>Robinia pseudoacacia</i>) and Poplar (<i>Poplar sp.</i>) stands on the Great Hungarian Plain
4	Patrik Sleziak (15 min)	Modelling of rainfall-runoff processes in different climatic conditions
5	Pavel Krajčí (15 min)	Snowpack variability in space and time

12:15-13:15 Lunch Break

13:15-14:30 Poster presentations (3 min time slots/per poster)

Chairman: Kamila Hlavčová and Péter Kalicz

1	Grames and Prskawetz	Introducing the economic decision framework into socio-hydrology
2	Härer et al.	New terrestrial and satellite-based snow mapping methods on a local scale and their application in snow-hydrological modelling
3	Klotz et al.	Symbolic regression for the estimation of transfer functions of hydrological models
4	Pfeil et al.	Multiscale agricultural drought monitoring in Austria
5	Silasari et al.	Saturation area dynamics and runoff generation on an agricultural hillslope
6	Széles et al.	Separation of scales in the effects of transpiration on low flows
7	Tanzer et al.	Multi-objective optimization of phosphorus management in Austria
8	van Driezum et al.	Spatiotemporal variations of organic micropollutants and faecal indicators during bank filtration along a highly dynamic river
9	Konkoly-Gyuró and Balázs	Water Related Changes in the Land Cover in the Carpathian Basin since the 19th Century
10	Csáki et al.	Water balance of different land cover types in Hungary
11	Horváth et al.	Detection of Anthropogenic Impacts at the Sub-catchments of Rák Creek
12	István Juhász	Examination of the territorial distribution of ecological features indicated by aquatic macroinvertebrates.
13	Szóke et al.	Sudden spreading of Bulrush (<i>Schoenoplectus litoralis</i>) in the Lake Neusiedl
14	Hlavčová et al.	The RECARE project – preventing and remediating degradation of soils in Europe through land care. The Myjava River basin case study.
15	Nosko et al.	Measurement, monitoring and assessment of changes in gully erosion in the Myjava River Basin
16	Korbel'ová and Kohnová	Improvement of the ecosystem services of soil by sustainable land management practices in the Myjava River basin

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| 17 | Majorošová and Vaseková | Steps in the process of eradicating Fallopia Japonica in areas close to rivers |
| 18 | Marková et al. | Identification of catchments with similar flood characteristics in the Austria and Slovakia |
| 19 | Némethová et al. | The application of two physically-based erosion models in small catchments: a case study of the Myjava Hill Land, Slovakia |
| 20 | Rončák et al. | Parametrization of rainfall-runoff model for simulating runoff under changing climatic conditions |
| 21 | Siman and Velísková | Agriculture as one of the possible negative factors affecting water quality in surface streams |
| 22 | Valent et al. | Flood risk reduction through the optimization of a small water reservoir |
| 23 | Kis et al. | Comparing bias-corrected RCM simulations with a special focus on hydrological applications |
| 24 | Gombási et al. | 1D water balance modelling of poplar plantations |
| 25 | Mátyás and Bene | Can Numerical Modeling Error Analysis Methods Determine Changes in a Watershed? |

14:30-16:00 **Poster Session with coffee**

16:00 **Closure**