



## INTERNATIONAL SCIENTIFIC COMMITTEE

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Kazimierz Banasik	Warsaw University of Life Sciences, Warsaw, Poland
Milan Kalaš	Join Research Centre, Ispra, Italy
Peter Molnár	ETH Zürich, Zurich, Switzerland

## CONFERENCE CHAIRS

Ján Szolgay	Slovak University of Technology in Bratislava, Bratislava, Slovakia
Zoltán Gribovszki	University of Sopron, Sopron, Hungary
Günter Blöschl	Vienna University of Technology, Vienna, Austria
Karsten Schulz	University of Natural Res. and Life Sciences, Vienna, Austria

## ORGANISING COMMITTEE

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## CONTACT

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e-mail is the preferred form of contact

# Catchment and river processes in regional hydrology: coupling field experiments and data assimilation into process understanding and modeling in Carpathian basins



## 8<sup>th</sup> International Conference

# 2019

14 November  
Vienna

### Organizers:

- Slovak University of Technology in Bratislava, Slovakia
  - University of Sopron, Hungary
  - Vienna University of Technology, Austria
- Vienna Doctoral Programme on Water Resource Systems
- University of Natural Resources and Life Sciences, Vienna, Austria

## CONFERENCE TOPICS

Coupling experimental evidence, process understanding, and mathematical modeling become increasingly essential for addressing science as well as practical water resources management questions. Implementing process representations based on field measurement and into hydrological catchment models has become therefore more important in recent years. Increased data availability (remote sensing, radar meteorology, plot, and hillslope scale experiments, tracer studies, citizen science, etc.) calls for knowledge-based assimilation of these into catchments models, too.

Hydrologists are gaining unique opportunity to verify and compare the adequacy of process representations in different models of the same type (e.g., distributed) or different types of models (e.g., distributed vs. lumped, process-based vs. conceptual) on plot, catchment, and regional basis. On the other hand, the new data is also supporting the study and generalization of patterns and hydrological regimes. All these challenges support the development of better process representations in both deterministic and stochastic models in diverse hydrological environments and enable more reliable predictions in ungauged basins as well.

Against this background, this conference series continues to welcome contributions on local and regional Carpathian and Alps hydrology focusing on the following issues:

- Presentation of results from catchments experiments leading to better process understanding and representations
- Data assimilation for remote sensing, radar meteorology, plot and hillslope scale experiments, tracer studies, citizen science, etc. into mathematical modeling
- Recognition of patterns in hydrological processes and regimes on various temporal and spatial scales using increased data availability and process knowledge
- The confrontation of process representations in hydrological catchment models with new type data and evaluation of the appropriateness of models for particular practical problems.
- Comparisons of similar model types as well as different model types (conceptual, process-based, distributed, lumped)
- Application of models for detecting and predicting changes in hydrological processes of anthropogenic origin, including climate change impacts

14 November 2019  
Bratislava, Slovakia  
Sopron, Hungary  
Vienna, Austria



## ORGANISATION

The conference will include both oral and poster presentations. Each session will benefit from the participation of an invited speaker. The oral sessions will be organised around the main conference topics. The oral contributions will be selected by the conveners for the presentations of the state-of-the-art research. Special discussion rounds will be scheduled after each of the sessions. The official language of the conference will be English.

## PRELIMINARY SCHEDULE AND DEADLINES

Call for abstracts: 15<sup>th</sup> July 2019  
Abstract submission deadline: 15<sup>th</sup> September 2019  
Abstract acceptance: 30<sup>th</sup> September 2019  
Conference: 14<sup>th</sup> November 2019  
Conference papers: 15<sup>th</sup> November 2019

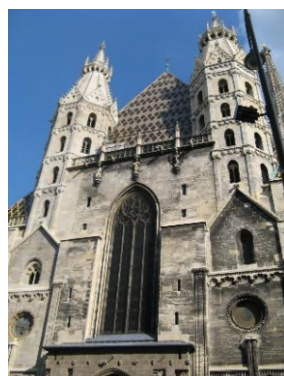
## GUIDELINES FOR CONTRIBUTION

Prepare an abstract in your favorite text editor. Your abstract should contain the following units, separated by a blank line, strictly in the same order: title, name of author(s), affiliation of author(s), corresponding author e-mail address and the abstract text up to 180 words. Please submit your abstract as an e-mail attachment no later than 15<sup>th</sup> September 2019 to [hydrocarpath@nyme.hu](mailto:hydrocarpath@nyme.hu). The e-mail message to which you attach your abstract should contain the subject line: "Abstract submission". Confirmation letter of abstract will be sent to the corresponding author via e-mail.



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