



Deciphering River Flood Change

# **Symposium on Regional Floods Effects of Changes in the River System**

**Vienna, 13-14 October 2015**

## **Organisers:**

**Prof. Günter Blöschl**

**Dr. Jose Luis Salinas ([salinas@hydro.tuwien.ac.at](mailto:salinas@hydro.tuwien.ac.at))**

# Programme

Monday, 12 October 2015	
18:30	Icebreaker Dinner – Restaurant of the Springer SchlöBl Hotel

Tuesday, 13 October 2015		
8:30	Registration opens at Springer SchlöBl Hotel	
9:00-9:30	Welcome and Introduction by Günter Blöschl	
9:30-10:45	<b>Detection, attribution of flood changes to river system changes and renaturalisation of flood flows</b> <i>Session Chair: Rui A. P. Perdigão</i>	
9:30-9:55	<b>Bruno Merz</b> GFZ Potsdam	<i>Assessing flood risk changes in large river systems based on coupled model chains</i>
9:55-10:20	<b>Ilaria Prosdocimi</b> CEH Wallingford	<i>Detection and attribution of changes in flood risk: ideas from a urban catchment case study</i>
10:20-10:45	<b>Jan Szolgay</b> STUBA Bratislava	<i>Estimation of changes of the flood regime due to river training and of the potential of renaturalisation</i>
10:45-11:15	Coffee break / Posters	
11:15-12:35	<b>Effects of regional river morphology changes on the flood regime</b> <i>Session Chair: Julia Hall</i>	
11:15-11:35	<b>Robert Grabowski</b> Cranfield University	<i>Geomorphic change and its impacts on surface water connectivity</i>
11:35-11:55	<b>Janet Hooke</b> University of Liverpool	<i>Impacts of morphological changes and feedback effects on regional flood regimes</i>
11:55-12:15	<b>José A. López Tarazón</b> University of Potsdam	<i>Effects of global change on hydro-geomorphological hazards in Mediterranean rivers</i>
12:15-12:35	<b>Filipe Carvalho</b> Universitat de Barcelona	<i>Identification of trends and patterns of delta plain sedimentation in the Swiss Alps.</i>

Tuesday, 13 October 2015 (continued)	
12:35-13:45	Lunch break
13:45-15:45	<b>Group Discussions (I): Detection and attribution of flood changes</b> <b>Group Discussions (II): Effects of regional river morphology changes</b>
15:45-16:15	Coffee break / Posters
16:15-18:00	<b>Overview and Synthesis of Group Discussions</b>

19:30	<b>Dinner at Restaurant "Wein Hof Zimmermann"</b>
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Wednesday, 14 October 2015		
8:00	Registration opens at Springer Schlößl Hotel	
8:30-9:45	<b>Effects of changes in spatial interdependencies (precipitation, routing) on the flood regime</b> <i>Session Chair: Alberto Viglione</i>	
8:30-8:55	<b>Michele di Lazzaro</b> Università Roma Tre	<i>A virtual laboratory for the analysis of dispersive contribution to the hydrologic response</i>
8:55-9:20	<b>Yongwon Seo</b> Yeungnam University	<i>Effect of Storm Movement on Flood Peaks: Analysis Framework Based on Characteristic Timescales and Network Characteristics</i>
9:20-9:45	<b>Anna Åkesson</b> KTH Royal Institute of Technology	<i>Change in streamflow response in unregulated catchments in Sweden over the last century</i>
9:45-10:15	Coffee break / Posters	

<b>Wednesday, 14 October 2015 (continued)</b>		
<b>10:15-11:35</b>	<b>Upscaling the effects of river works (reservoirs, levees, river straightening) on the flood regime</b> <i>Session Chair: Juraj Parajka</i>	
10:15-10:35	<b>Severin Hohensinner</b> BOKU Universität	<i>Learning from past Danube dynamics: hydromorphology, river training and flood conveyance</i>
10:35-10:55	<b>Daniele Ganora</b> Politecnico di Torino	<i>Flood statistics and river works: moving from a local to an along-stream approach</i>
10:55-11:15	<b>Sergiy Vorogushyn</b> GFZ Potsdam	<i>On the impact of river training and levee failures on changes in flood trends and inundation risk</i>
11:15-11:35	<b>Alberto Viglione</b> TU Wien	<i>Socio-hydrology modeling: feedback loops in a river-settlement system</i>
<b>11:35-12:45</b>	Lunch break	
<b>12:45-14:45</b>	<b>Group Discussions (III): Effects of changes in spatial interdependencies</b> <b>Group Discussions (IV): Upscaling the effects of river works</b>	
<b>14:45-15:15</b>	Coffee break / Posters	
<b>15:15-17:00</b>	<b>Overview and Synthesis of Group Discussions</b>	
<b>Symposium ends</b>		

# Participants List

Anna Åkesson	<i>KTH Royal Institute of Technology, Stockholm – SWEDEN</i>	José Andres López Tarazón	<i>Potsdam University, Potsdam – GERMANY</i>
Giuseppe T. Aronica	<i>University of Messina, Messina – ITALY</i>	Luis Mediero	<i>Polytechnical University Madrid, Madrid – SPAIN</i>
Günter Blöschl	<i>Vienna University of Technology, Vienna – AUSTRIA</i>	Bruno Merz	<i>GFZ Potsdam, Potsdam – GERMANY</i>
Berry Boessenkool	<i>Potsdam University, Potsdam – GERMANY</i>	Vahid Nourani	<i>University of Tabriz, Tabriz – IRAN</i>
Marco Borga	<i>University of Padua, Padua – ITALY</i>	Juraj Parajka	<i>Vienna University of Technology, Vienna – AUSTRIA</i>
Paolo Burlando	<i>ETH Zürich, Zürich – SWITZERLAND</i>	Rui A. P. Perdigão	<i>Vienna University of Technology, Vienna – AUSTRIA</i>
Filipe Carvalho	<i>University of Barcelona, Barcelona – SPAIN</i>	Ilaria Prosdocimi	<i>CEH Wallingford, Wallingford – UNITED KINGDOM</i>
Alessio Ciullo	<i>University of Bologna, Bologna – ITALY</i>	Magdalena Rogger	<i>Vienna University of Technology, Vienna – AUSTRIA</i>
Michele Di Lazzaro	<i>University Roma Tre, Rome – ITALY</i>	José Luis Salinas	<i>Vienna University of Technology, Vienna – AUSTRIA</i>
Mike Exner-Kittridge	<i>Vienna University of Technology, Vienna – AUSTRIA</i>	Yongwon Seo	<i>Yeungnam University, Gyeongsan – SOUTH KOREA</i>
John Fenton	<i>Vienna University of Technology, Vienna – AUSTRIA</i>	Patrik Sleziak	<i>Slovak University of Technology, Bratislava – SLOVAKIA</i>
Daniele Ganora	<i>Politecnico di Torino, Turin – ITALY</i>	Mojca Šraj	<i>University of Ljubljana, Ljubljana – SLOVENIA</i>
Robert Grabowski	<i>Cranfield University, Cranfield – UNITED KINGDOM</i>	Borbála Széles	<i>Budapest University of Technology and Economics, Budapest – HUNGARY</i>
Julia Hall	<i>Vienna University of Technology, Vienna – AUSTRIA</i>	Jan Szolgay	<i>Slovak University of Technology, Bratislava – SLOVAKIA</i>
Severin Hohensinner	<i>BOKU University, Vienna – AUSTRIA</i>	Rui Tong	<i>Vienna University of Technology, Vienna – AUSTRIA</i>
Janet Hooke	<i>University of Liverpool, Liverpool – UNITED KINGDOM</i>	Alberto Viglione	<i>Vienna University of Technology, Vienna – AUSTRIA</i>
Andrea Kiss	<i>Vienna University of Technology, Vienna – AUSTRIA</i>	Elena Volpi	<i>University Roma Tre, Rome – ITALY</i>
Silvia Kohnová	<i>Slovak University of Technology, Bratislava – SLOVAKIA</i>	Sergiy Vorogushyn	<i>GFZ Potsdam, Potsdam – GERMANY</i>
Pavel Krajci	<i>Slovak University of Technology, Bratislava – SLOVAKIA</i>	Davide Zoccatelli	<i>University of Padua, Padua – ITALY</i>