

3 – 7 June 2013
Koblenz, Germany

ICWRRER
2013

Water & Environmental Dynamics

6th International Conference
on Water Resources
and Environment Research

Preliminary Session Programme

Theme	Name	City	Affiliation
Climate change and fresh water sediments	Vollmer, Stefan	Koblenz, Germany	Federal Institute of Hydrology
Climate change impacts on coastal waters and sediments	Heise, Susanne	Hamburg, Germany	Hamburg University of Applied Sciences
Forecasts and projections of future stream flow	Nestmann, Franz	Karlsruhe, Germany	Karlsruhe Institute of Technology
Waterways engineering under climate change	Nestmann, Franz	Karlsruhe, Germany	Karlsruhe Institute of Technology
Impacts of climate change on the ecology of rivers and estuaries	Schiemer, Fritz	Vienna, Austria	University of Vienna
Interdisciplinary contributions of regional sea level variations	Hein, Hartmut	Koblenz, Germany	Federal Institute of Hydrology
Climate scenarios for hydrological and other impact studies	Gratzki, Annegret	Offenbach, Germany	Deutscher Wetterdienst
Microbial quality of surface waters – are we prepared to face future challenges?	Böer, Simone Brennholt, Nicole	Koblenz, Germany	Federal Institute of Hydrology
Climate change scenarios for marine and coastal waters	Schrum, Corina Rosenhagen, Gudrun	Bergen, Norway Hamburg, Germany	University of Bergen Deutscher Wetterdienst
Conflict resolution in water resources and environmental management	Hipel, Keith	Waterloo, Canada	University of Waterloo
Meeting water security challenges through scientific cooperation	Mishra, Anil Demuth, Siegfried	Paris, France	UNESCO Division of Water Sciences
Real-time ecology	Lewandowski, Jörg	Berlin, Germany	Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB)
Domesticated rivers	Wolter, Christian	Berlin, Germany	Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB)
Sources and fate of plastics in river basins and the marine environment – ecological and toxicological impacts	Reifferscheid, Georg	Koblenz, Germany	Federal Institute of Hydrology
In vitro toxicology – use and misuse in risk assessment and regulatory frameworks	Buchinger, Sebastian	Koblenz, Germany	Federal Institute of Hydrology
Fate of emerging contaminants in the water cycle: occurrence, transformation, accumulation and removal	Ternes, Thomas	Koblenz, Germany	Federal Institute of Hydrology

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Extreme precipitation: how to use past measurements and climate projections for urban hydrologic design?	Einfalt, Thomas	Lübeck, Germany	hydro & meteo GmbH & Co. KG
Low flows and streamflow droughts	Laaha, Gregor	Vienna, Austria	University of Natural Resources and Life Sciences
Technological and social adaptation to extreme water hazards	Hori, Tomoharu	Kyoto, Japan	Kyoto University
Decision support in a changing environment	Dietrich, Jörg	Hannover, Germany	Leibniz University Hannover
Water resources modelling, management, and policy	Madani, Kaveh	Orlando, USA	University of Central Florida
Integrated multi-disciplinary analysis: A necessity for holistic understanding of water resources management problems	Madani, Kaveh	Orlando, USA	University of Central Florida
Catchment water quality management	Haider Malik, Amir	Abbottabad, Pakistan	COMSATS IT Center is
Hydroinformatics	Dandy, Graeme Gräber, Peter-Wolfgang	Adelaide, Australia Dresden, Germany	The University of Adelaide Dresden University of Technology
Hydrological remote sensing monitoring and modelling of global changes for sustainability	Chang, Ni-Bin	Orlando, USA	University of Central Florida
Statistical tools and methods for water resources research and management	Grimaldi, Salvatore	Viterbo, Italy	University of Tuscia
Data assimilation in hydraulics, hydrology and water resources	Heemink, Arnold	Delft, The Netherlands	Delft University of Technology
Seamless prediction in hydrology – building bridges between scales, methods and communities	Klein, Bastian	Koblenz, Germany	Federal Institute of Hydrology
Computational methods for optimal management of water resources systems	Schütze, Niels van Nooijen, Ronald	Dresden, Germany Delft, The Netherlands	Dresden University of Technology Delft University of Technology
New tools for improving water use efficiency in irrigation	Schütze, Niels Walser, Sabine	Dresden, Germany	Dresden University of Technology
Construction of river flow scenarios	Maurer, Thomas	Koblenz, Germany	Federal Institute of Hydrology
Improving water quality management using new water quality modelling and observation strategies	Rode, Michael	Magdeburg, Germany	Helmholtz Centre for Environmental Research (UFZ)
Analysis and modelling of sediment transfer in Mediterranean landscapes: hillslope processes, river system connectivity and reservoir yields	Bronstert, Axel Batalla, Ramón	Potsdam, Germany Lleida, Spain	University of Potsdam University of Lleida
Addressing the catchment sediment management challenge	Collins, Adrian	Wolverhampton, UK	ADAS UK Ltd.
Modern hydraulics structures for better hydrodynamics and hydromorphology of streams and rivers	Radecki-Pawlik, Artur	Krakow, Poland	University of Agriculture
Understanding sediment processes at catchment scale	Heininger, Peter	Koblenz, Germany	Federal Institute of Hydrology
Progressive e-learning concepts for water and environmental dynamics	Seidel, Niels	Dresden, Germany	Dresden University of Technology