

3 – 7 June 2013

6th International Conference on Water Resources and Environment Research

# Water and Sediment

[www.water-environment.org](http://www.water-environment.org)

We are happy to invite you to join us for the **6th International Conference on Water Resources and Environment Research** which will take place in Koblenz, Germany, from June 3 – 7 2013.

The conference on water and environment research is an independent platform providing scientists with a possibility to present and discuss their work in the fields of hydrology, environmental research, aquatic ecosystem research, water resources research and management as well as global change. Many sectors of human activity are highly dynamic and at the same time closely linked to the availability of good quality water, e.g. energy, agriculture, transportation. The focus of the 6th conference is set on fostering an integrative understanding of water and the environment. It brings together physical, biological, chemical, statistical, socioeconomic and technical expertise in order to discuss solutions for transient environmental boundary conditions. The conference will address the aforementioned fields in sessions and workshops. A special format will allow for openly discussing methodologies such as uncertainty analysis, new statistical models, regionalisation, new measurement techniques etc. with invited experts.

**The 6th ICWRRER conference is jointly organised with the European sediment network SedNet.** SedNet will organise a special full-day symposium that addresses sediment processes at the catchment scale. Sources of sediments in river basins are manifold and often affect multiple management objectives in many locations. Transfer pathways between source and impact are often long and complex. Mobilisation and movement of sediment is often associated with high energy, high flow events, and few monitoring programmes adequately address this part of the flow range. Meanwhile, the

European Water Framework Directive (WFD) requires us to manage our water environment at the catchment scale. This is particularly complex for sediment because of the episodic nature of sediment transfer, long storage times within the system and the wide range of associated contaminants. This symposium will welcome papers on catchment scale management approaches (including evidence of the effectiveness of measures), improved process understanding and implications of a changing environment on sediment management at the river basin scale.

The 6th ICWRRER will also provide an explicit platform for research on climate change and variability and possible impacts on our infrastructure and related economic activities. KLIWAS is a major German research programme on climate change that covers aspects from impact studies to adaptation potential. **KLIWAS will organise special sessions on climate related topics and invites scientists working on climate and water to participate.**

At the moment, we are collecting expressions of interest in sessions and workshops. We would like to encourage you to propose themes that are important for you and the field you work in. Please do not hesitate to contact the conference secretariat if you are interested in actively participating.

The conference aims at encouraging young scientists to play an active part in shaping the future of water and environment research. Therefore we will offer special student rates for attending the conference. There will also be ample space for young scientists to discuss emerging topics and key methodologies with experts who will dedicate time for meeting with students and young researchers.



## Venue



M. Hills

Koblenz is located at the confluence of the rivers Rhine and Moselle in Germany. The airports of Cologne, Düsseldorf and Frankfurt are all well connected to the city by rail service. Koblenz provides excellent accommodation and a newly refurbished conference hall in the heart of the city right next to the Rhine river.

The city of Koblenz is a Roman foundation and has a rich history. It is located within the **UNESCO world heritage site "Middle Rhine Valley"**, one of the most famous destinations in Germany (<http://whc.unesco.org/en/list/1066>).

## Deadlines & Milestones

September 22nd , 2012	Deadline for receiving proposals to organise sessions or workshops	April 1st , 2013	Deadline for receiving full papers (if desired)
December 16th , 2012	Deadline for receiving one-page abstracts	April 30th , 2013	Authors notified of review's comments
March 1st , 2013	Authors are notified of acceptance	May 31st , 2013	Deadline for receiving final papers
		May 31st, 2013	Deadline for registration

## Themes

Brownfield redevelopment	Groundwater / surface water interaction	Stochastic hydrology
Catchment management	Hydroinformatics	Sustainable water management
Climate variability and change	Hydrological models	Time series analysis
Data collection and exchange	Irrigation	Transboundary water management
Decision making	Mining and water resources	Uncertainty analysis
Ecohydrology	Monitoring systems	Urban water
Ecosystems research	Natural disasters	Wastewater treatment
Emerging pollutants	Reservoir design and management	Water allocation
Energy and water	Sediment management	Water and bio-fuels
Environmental flows	Sediment processes	Water and food
Erosion and soil transport	Sediment quality	Water policy
Fisheries and aquaculture	Socio-economy of water	Water quality
Floods/ droughts	Statistics	
GIS / remote sensing	Stochastic downscaling	

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## Conference Secretariat

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