

ICWRER conference, Koblenz 2013

Session abstract

Title: Modern hydraulics structures for better hydrodynamics and hydromorphology of streams and rivers

During the conference "Water and Environmental Dynamics" organized by Bundesanstalt für Gewässerkunde (Federal Institute of Hydrology) in KOBLENZ in July 2013 scientific and professional engineering audience is going to be acquainted with key important subjects connected with the most important wealth we have on the planet Earth: water.

Along the session entitled: "Modern hydraulics structures for better hydrodynamics and hydromorphology of streams and rivers" we would like to cover the following subjects:

1. - the influence of hydraulic structures on sediment transport in mountain streams;
2. - changes of rivers/streams morphology and hydrodynamics due to hydraulic structures;
3. - hydromorphology of mountain streams - important issue in rivers/streams channel rehabilitation;
4. - modern hydraulics structures and their hydrodynamics in line with fish and invertebrates migration.

The authors of papers, posters and talks are kindly requested to cover the above mentioned subject according to their best professional practice. We expect interesting, old or fresh point of view into the subject, but motivating, intriguing and useful for helping to save our rivers and stream around the whole world. You are kindly welcome.