



Chinon River Sciences 2014 – an international workshop on “River Restoration: towards an agenda for research, action, and teaching” Chinon, 22. / 23. May 2014

at the CCFS - Chinon Center for Freshwater Studies, 11 Quai Danton, Chinon, France, organised by
Karl M. Wantzen (UMR CITERES) and Stéphane Rodrigues (GA GEHCO), University of Tours

The workshop, simultaneously announcing the UNESCO Chair on River Culture (Fleuve et Patrimoine) and inaugurating the Chinon Center for Freshwater Studies Research (CCFS) of the University of Tours, France, and celebrating 25th anniversary of the Master Course on River Restoration (IMACOF) at the University of Tours, aims to deliver baselines from ecological and engineering sciences for evidence-based policies of integrated river management.

Thematic issues are:

Thursday, 22. May - River restoration in theory – towards a research agenda for river/floodplain engineering

This day is dedicated to the open questions, lacunae and loose ends in physical habitat restoration of running water ecosystems. Very often, restoration projects do not succeed in the return of the desired species. “Why don’t they come back”, and “what can be done to avoid mistakes in future projects”, or even “which details about restoration and species requirements are yet unknown”. At the end of the day, we want to come up with a research agenda for the future, ideally in form of a review paper, written by the active participants of the workshop.

Friday, 23. May: River Restoration in action and lecturing – from national to worldwide approaches

This day is dedicated to find out what is done on the national and European level to improve physical habitat structures of running water ecosystems. Apart from practical action, we are interested in existing training programs. How can we improve the exchange? On the background of 25 years of teaching experience with the IMACOF (Ecological engineering of freshwater ecosystems) MSc course at Tours university, we want to improve interactions, specifically to create an didactic network.

Thematic issues will be introduced by incentive talks (6 invited speakers per day) of 30 minutes each (+ 15 minutes individual discussion), followed by chaired discussions (contributions by the whole audience) of 2 hours. Invited speakers will be asked to prepare abstracts and send them to karl.wantzen@univ-tours.fr by May 10. One or several multi-authored publications will be developed on the baselines of the abstracts and of the discussions in the afternoon sessions.

Chinon River Sciences 2014 – programme

Thursday, 22. May: *River restoration in theory – towards a research agenda for river/floodplain engineering*

- 9:00 – 9:30 Opening of the Workshop by Emmanuel Lessigne, vice-president of the University of Tours and by the mayor of Chinon
- 9:30 – 10:15 Karl M. Wantzen (CIRR, CITERES, Uni Tours, France): *How to get the floodpulse rhythm back to our rivers?*
- 10:15 – 11:00 Maciej Zalewski & Edyta Kiedrzyńska (European Regional Centre for Ecohydrology under the auspices of UNESCO, Lodz, Poland): *Natural floodplains for water quality improvement*
- 11:00 – 11:40 Hervé Piegay, (National Center for Scientific Research (CNRS), Lyon): *Should we restore forms or processes? Feedbacks from field experiments*
- 12:00 – 13:30 Lunch
- 13:45 – 14:30 Stéphane Rodrigues (Géhco, Uni Tours, France): *Natural sediment dynamics, plant-sediment interactions and dam removal - challenges for river restoration*
- 14:30 – 15:15 Gregory Egger (KIT, Karlsruhe, Germany): *Shear stress as a tool for restoring habitat dynamics and 'wood-weed' removal*
- 15:15 – 15:45 Coffee break
- 15:45 – 16:15 Michel Bacchi (RIVE, DREAM, Chinon, France): *RiverMod - Can we model the success of restoration measures?*
- 16:15 - 18:30 Roundtable Discussion and preparation of the manuscript draft
- 19:00 Dinner

Friday, 23. May: *River Restoration in action and lecturing – from national to worldwide approaches*

- 8:30 – 8:45 Karl M. Wantzen: *Report on day 1 and introduction to day 2*
- 8:45 – 9:15 Askoa Ibisate (University of the Basque Country and Centro Iberico de Restauracion Fluvial – CIREF, Spain): *River restoration in Spain and Portugal*
- 9:15 – 10:00 Andrea Goltara (Centro Italiano per la Riqualificazione Fluviale, Mestre, Italy) : *River restoration in Italy: positive and negative examples for river*
- 10:00 – 10:30 Coffee break
- 10:30 – 11:15 Gerben van Geest (Deltares, Utrecht, The Netherlands): *The REFORM programme and restoration measures in the Lower Rhine*
- 11:15 – 11:45 Andrea Goltara (CIRF, Italy): *The RESTORE programme in Europe*
- 12:00 – 13:30 Lunch
- 14:00 – 14:45 Martin Pusch & Francois Xavier Garcia, (IGB Berlin, Germany): *Experimental research for river restoration*
- 14:45 – 15:15 Aude Zingraff (Technical University, Munich, Germany): *River restoration in France and in Germany*
- 15:15 – 15:45 Coffee break / press release (in french)
- 16:00 - 18:00 Roundtable Discussion and preparation of future collaborations
- 18:00 – 18:15 Karl M. Wantzen & Stéphane Rodrigues: closing remarks

Exhibition throughout the event: River/wetland management and restoration technologies: a portrait of the Region Centre (Pôle DREAM)