

# WaterDiss2.0

## Summer School 2013

### Increasing Sustainability in River Basin Planning and Management: Concepts and Tools for River Restoration

**San Servolo Island, Venice, 5<sup>th</sup> – 11<sup>th</sup> August 2013**



The WATERDISS 2.0 Summer School on INCREASING SUSTAINABILITY IN RIVER BASIN PLANNING AND MANAGEMENT: CONCEPTS AND TOOLS FOR RIVER RESTORATION is organized with the aim to provide an opportunity of an intensive working together of talented young researchers, PhD students or freelancers from all over Europe with some of the leading academics, researchers and practitioners in the field.

#### **WATERDISS 2.0 PROJECT OUTLINE**

The implementation of the Water Framework Directive (WFD) and its daughter directives, as well as the Floods Directive, is not a “Business-as-usual approach” and constitutes an exceptional challenge for water managers and governments across Europe. Assessments of the current status of implementation have shown that less than 40% of water bodies will meet the Good Ecological Status in 2015. Meeting these objectives in the long run will require additional knowledge and know-how in terms of designing measures and management approaches. This knowledge is to a large extent generated by EU-funded research, but insufficiently applied to address the challenges occurring in the context of WFD implementation. The goal of the WaterDiss2.0 project is to find solutions for better water management within the research available and speed-up its transfer and diffusion to knowledge users. Under the banner of the Science-Policy Interface (SPI), the WaterDiss2.0 project supports dissemination and innovation processes and help key actors to more quickly improve processes and methodologies in water management.

#### **OBJECTIVE**

The Summer School is intended to:

- disseminate the latest and more relevant results coming out from EU funded research on river restoration and more in general on sustainable and integrated river basin planning and management;
- help participants in defining relevant research topics in the field of the implementation of the Water Framework, Floods and related EU directives;
- provide a forum for talented young researchers and freelancers from all over Europe for exchanging ideas and establishing a research and professional network.

#### **SUMMER SCHOOL PROGRAMME**

The Summer School programme is based on the participation of the project partners of some of the most relevant EU funded research projects dealing with the above mentioned topics: SCENES, REFRESH, OPENNES PRO\_floodplain, MODELKEY, AQUATERRA, WISER, IMPACT, REFORM. After each session there will be the time (at least 1 hour) for direct and free interaction/discussion between students and speakers on the issues presented. There will also be a number of exercises to assist the students in developing a proposal for a research project, incorporating the design of the dissemination and take-up stages and the budgeting for those operations.

A field trip to the Drava river restoration programme is foreseen.

## SUMMER SCHOOL SCHEDULE (draft programme)

	Morning	Afternoon
Monday 5 <sup>th</sup>	<p>Participants arrive in Venice, congregate and shown to accommodation</p> <p>Opportunity for participants to display Posters of their research</p>	<p><b>WELCOME by ESKTN &amp; CIRF</b> Introduction to aims and objectives of the Summer School</p> <p>Opportunity for participants to present their research.</p>
Tuesday 6 <sup>th</sup>	<p><b>STUDENT EXERCISE 1</b> Communicating the range of challenges and priorities relating to water management</p> <p><b>RIVERS ECOSYSTEM SERVICES (1)</b> The use of the ecosystem services approach (ESA) to support the implementation of the Water Framework Directive (OPENNES to be confirmed)</p>	<p><b>RIVERS ECOSYSTEM SERVICES (2)</b> Reconnection of floodplains to the river for integrated flood risk management and ecosystem restoration: evaluation of related ecosystem services (PRO_Floodplain)</p> <p><b>STUDENT EXERCISE 1</b> Continuation</p>
Wednesday 7 <sup>th</sup>	<p><b>EFFECTS OF CLIMATE CHANGE ON EUROPE'S FRESHWATER</b> Introduction to a set of comprehensive scenarios of Europe's freshwater future up to 2025 (SCENES) Understanding the effects on freshwater ecosystems of the interactions between changing climate and other pressure factors (REFRESH to be confirmed)</p>	<p><b>CHEMICAL POLLUTION OF FRESHWATERS</b> Assessing and forecasting the impact of key pollutants in freshwater ecosystems (MODELKEY to be confirmed) Connecting expected climate alterations to changes in deposition, mobility and distribution of pollutants in European river basins (AQUATERRA to be confirmed)</p>
Thursday 8 <sup>th</sup>	<p><b>ASSESSING AND PREDICTING THE EFFECTS OF RIVER RESTORATION MEASURES (1)</b> Effects of pressure factors and restoration measures on the status of freshwater biota (WISER) Developing integrated models to predict abiotic habitat conditions (IMPACT)</p>	<p><b>ASSESSING AND PREDICTING THE EFFECTS OF RIVER RESTORATION MEASURES (2)</b> Assessing and predicting the effects of hydromorphological alteration and restoration (REFORM)</p>
Friday 9 <sup>th</sup>	<p><b>FIELD TRIP</b> <b>(Visit to the Drava river restoration programme)</b></p> <p>overnight stay in Lienz (AT)</p>	
Saturday 10 <sup>th</sup>	<p><b>STUDENT EXERCISE 2</b> Assessing and Predicting the Effects of River Restoration Measures in the Drava River</p>	<p><b>STUDENT EXERCISE 2</b> Continuation</p> <p>overnight stay in Lienz (AT)</p>
Sunday 11 <sup>th</sup>	<p>Return trip Stop at Venice International Airport and at Mestre train station are foreseen before noon</p>	

## PARTICIPATION

The Summer School is open to participants from all over Europe, provided that they meet the following requirements. They must be:

- enrolled PhD, postgraduate (or advanced graduate) students, or post-doctoral research fellows of an accredited institute of higher education; 5 places are reserved to freelance researchers under 35 years old.
- dealing with flood risk analysis or related topics (risk management, sustainable land development, hydraulic or hydrological modelling, civil protection, etc.);
- fluent in English and willing to take an active part in discussions in that language;

Preference will be given to those students who:

- are collaborating or doing an internship with public bodies responsible for the implementation of Water Framework, Floods or related directives.
- can present a paper or a poster for discussion at the summer school. The paper has to be mailed to the School secretariat (see address below) not later than **July 1, 2013**. Each paper will be sent to the summer school teachers, to help them provide a more focused discussion on participants' works. The poster presentation will open the Summer School on Monday 5<sup>th</sup> August.

Application forms are available from and have to be returned to the WATERDISS 2.0 Summer School Secretariat. The deadline for registration is June 14, 2013.

Applications received by the deadline will be evaluated by June 17, taking into account firstly the described preference criteria and secondly the order of arrival.

## THE VENUE OF THE SCHOOL

The venue of the Summer School is the San Servolo Conference Centre in Venice.

The San Servolo Conference Centre is located on the Island of San Servolo, once a monastery, in the middle of the Venetian Lagoon, ten minutes of boat travel away from the stunning Saint Mark's Square.

Website: [www.sanservolo.provincia.venezia.it](http://www.sanservolo.provincia.venezia.it)

The foreseen accommodation for participants is on the San Servolo Island itself.

## PARTICIPATION FEE

The WATERDISS 2.0 Summer School is mainly funded by the EC and project partners, but contribution is expected from participants as well.

This assistance makes it possible that the participants have to pay a relatively low, all-inclusive participation fee:

EUR 220,00

The fee includes accommodation in single rooms, two meals a day (breakfast and lunch), refreshments and all materials. Travel to the site visit and accommodation in Lienz. Travel to and from Venice, dinners and extra nights must be arranged and paid for individually.

Details of fee payments will be given on application but must be paid before **July 1, 2013**.

## CANCELLATION POLICY

Cancellations must be sent via e-mail or fax to the WATERDISS 2.0 Secretariat.

A full refund will be granted up to July 1, 2013. No refunds can be made after this deadline.

## SOCIAL PROGRAM

Venice is undoubtedly one of the most charming cities in the world and the world's only fully pedestrian one. You will have the opportunity to discover its charms during the free time in the evenings and some organised events.

### Things to see and do in Venice

- [Visiting the historical centre and the Sestieri](#)
- [Discovering the art treasures](#)
- [What's on](#)

Further details will be provided to successful applicants.



Further information can be obtained from the School Secretariat, at the following address:

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