

WaterDiss2.0

Summer School 2012

Flood Risk Management

University of Oxford, St Anne's College, 16th – 20th July 2012



The WATERDISS 2.0 Summer School on FLOOD RISK MANAGEMENT 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 to 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 flood risk management and closely related topics;
- help participants in defining relevant research topics and powerful methods in the field of flood risk evaluation and management;
- provide a forum for talented young researchers and freelancers from various regions of the world for exchanging ideas and establishing a research and professional network;
- meet practitioners in flood risk management and understand their needs so that future research outputs can have more significant impacts and accelerate innovation.

SUMMER SCHOOL PROGRAMME

The Summer School programme is based on the participation of the project partners of some of the most important EU funded research projects dealing with flood risk management: FLOODsite, SUCA, IMRA, MOVE, HYDRATE, ROOMFORTHERRIVER, CONHAZ, IMPRINTS. 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.

SUMMER SCHOOL SCHEDULE (draft programme)

	Morning	Afternoon
Sunday 15 th	Delegates arrive in Oxford, congregate and shown to accommodation Opportunity for delegates to display Posters of their research	
Monday 16 th	<p>WELCOME by ESKTN & CIRF Introduction to aims and objectives of the Summer School</p> <p>Opportunity for delegates to present their research.</p>	<p>STUDENT EXERCISE 1 Definition of terms and critical issues</p> <p>VULNERABILITY General introduction to the vulnerability concept: methods for evaluation and indicators (MOVE) Evaluation of intangible effects of flood, coastal and Alpine hazards (CONHAZ)</p>
Tuesday 17 th	<p>RELIABILITY OF FLOOD DEFENCE Effects of morphological changes in flood risk assessment. Understanding the way in which flood defence structures perform and may fail under varying hydraulic load conditions. Reliability analysis of flood defence. (FLOODsite)</p>	<p>EFFICIENCY OF NON-STRUCTURAL FLOOD MITIGATION MEASURES Hydrological analysis to support comparison of non-structural flood mitigation measures. Relative efficiency of non-structural flood mitigation measures (ROOMFORTHERRIVER)</p>
Wednesday 18 th	<p>SITE VISIT (Visit to the Jubilee River, a flood alleviation scheme on the River Thames)</p>	
Thursday 19 th	<p>FLOOD RISK MANAGEMENT and STAKEHOLDERS INVOLVEMENT Increasing public awareness and participation in flood risk assessment and management: why and how? (IMRA)</p> <p>FLOOD RISK IN SMALL URBAN CATCHMENTS Understanding why flooding from small urban catchment occurs. Effectiveness and Efficiency of flood probability reduction measures in Small Urban Catchments. Improving resilience and people preparedness (SUCA)</p>	<p>FLASH FLOODS AND DEBRIS FLOW Individuation of flash floods common features across Europe: characterisation of storm patterns, runoff response and soil moisture influence in different hydroclimatic regions. Methods for checking the consistency of hydrometeorological and geographical data. Flash flood forecasting in ungauged basins. Flash flood event reconstruction by means of post-event field surveys (HYDRATE) Early warning (IMPRINTS)</p>
Friday 20 th	<p>STUDENT EXERCISE 2 Research Dissemination and take-up</p>	<p>PATHWAY TO IMPACT How to get heard? - Leadership Commercialising Research</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 flood risk management;
- can demonstrate in their application the importance of developing dissemination strategies for the acceleration of innovation and uptake and that they will benefit from the summer school.
- 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 **June 1, 2012**. 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 16th July.

Application forms are available from and have to be returned to the WATERDISS 2.0 Summer School Secretariat. The deadline for registration is **May 14, 2012**.

Applications received by the deadline will be evaluated by May 15, 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 University of Oxford.

The event will take place in St Anne's College which is situated within 5 acres of tranquil leafy grounds, and enjoys a unique atmosphere in which to hold any conference, dinner or special event.

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Fax: +44 (0)1865 274899

Website: <http://www.st-annes.ox.ac.uk/about/welcome.html>

E-mail: [enquiries\(at\)st-annes.ox.ac.uk](mailto:enquiries(at)st-annes.ox.ac.uk)

The participants accommodation is situated in the college 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 190,00

The fee includes accommodation in single rooms, ensuite, two meals a day (breakfast and lunch), refreshments and all materials. Travel, extra nights, extra costs for a double room and dinners must be arranged and paid for individually.

Details of fee payments will be given on application but must be paid before **June 1, 2012**.

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 30 days prior to the event. No refunds can be made after June 15, 2012.

SOCIAL PROGRAM

Oxford "the City of Dreaming Spires" is a beautiful city of stunning architecture, history and culture. You'll find ancient and modern colleges, fascinating museums and galleries, and plenty of parks, gardens and green spaces in which to relax. Plus, the city centre is small enough to cover on foot, and only a few minutes walk from the main rail and coach stations.

Things to see and do at Oxford University

- [Visiting the Colleges](#)
- [Visiting Museums, Libraries and Places of Interest](#)
- [What's On](#)

Other attractions this summer of course includes the Olympic games which are being hosted in UK.

Further details will be provided to successful applicants.



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

Anna Baginska, Environmental Sustainability KTN, University of Oxford, Begbroke Science Park, Yarnton, Kidlington, Oxon, UK

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