



United Nations
Educational, Scientific and
Cultural Organization



HYDROLOGY
RWTH AACHEN
UNIVERSITY

UNESCO Chair in Hydrological Change
and Water Resources Management
RWTH Aachen University, Germany

Train-the-Trainer Course Blended Learning in Hydrology

August 31st – September 3rd 2015,
Aachen, Germany

Blended
Learning

Media

Workshop

Mobile

Exercise

E-Learning

Teamwork



The UNESCO Chair in Hydrological Change and Water Resources Management and the International Centre for Water Resources and Global Change offer a 4 day training course in Aachen, Germany, from August 31st to September 3rd 2015.

General Information

The course aims to improve theoretical knowledge of blended learning systems, their advantages and limitations and to deliver practical capacities for designing and managing blended learning courses.

The course is designed for specialists and experts working in technical and scientific training in the field of water resources management.

Up to 12 experts will be able to participate. The course is free of charge. Course language is English. In cases of hardship, travel expenses might be reimbursed upon request.

Interested experts are asked to send a CV and a short description of their duties and responsibilities in their current work environment or the education or training center they work at to: conde@bafg.de.

Deadline for expressions of interest is June 30th 2015. Participants will receive invitation letters by the end of June.



The course will be held by Prof. Nacken (Rectorat's Delegate for Blended Learning and Exploratory Teaching Space at RWTH Aachen).

Dr. Cullmann (Director of the International Centre for Water Resources and Global Change) will give an additional perspective to specifics in water resources management.

During the course a MOODLE system will be used as the learning management system, a special course room will be setup in advance and all material will be uploaded to the MOODLE system. All material will be supplied in English and labeled as CC (creative commons) for further use.

Tentative Agenda

Monday, 31.08.

9:00 – 17:00

- General introduction: what are the targets of the Train-the-Trainer course?
- Round of introductions: what are the expectations of the participants and the trainer (what targets should be achieved?)
preliminary questionnaire: where do we start from?
- How do we learn? – the basics of media related knowledge transfer
- Conception of Blended Learning Scenarios
- Learning objectives – Why and how to use Bloom's taxonomy
- Guidelines for targeted lectures
 - Inventory of (Power Point) presentations of participants
 - Guidelines for targeted presentations

Thursday, 01.09.

9:00 – 17:00

- Basics of audio-slidecasts
 - chances and constraints, when to use them, how to design them (Tool: Adobe Presenter)
- Individual feedback on the (Power Point) presentations of all attendees
- Individual preparation of presentation slides and autonomous recording of audio-slides
- Options for incorporation of (short) videos in eLectures
 - video-slidecast versus audio-slidecast (Tool: Adobe Presenter)

Wednesday, 02.09.

9:00 – 17:00

- Basics of assessments (in MOODLE)
- Design of questions for assessments (Tool: Templates and Respondus)
- Special needs of participants for assessments
- Optional tools for MOODLE (for smartphones and tablets):
 - Quizz2Go – offline assessments
 - ClickItNow – online assessment during lectures

Thursday, 03.09.

9:00 – 14:00

- UNESCO IHP - Education needs, expectations and possibilities
- Overview of existing learning systems
- Strengths and weaknesses of systems currently in use.
- Specifics related to transboundary water issues

**Deadline for expressions of interest
June 30th 2015**



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Centre for
Water Resources
and Global Change

**International Centre
for Water Resources and
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UNESCO Category II Centre

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