RESEAU INTERNATIONAL DES ORGANISMES DE BASSIN
INTERNATIONAL NETWORK OF BASIN ORGANISATIONS
RED INTERNACIONAL DE ORGANISMOS DE CUENCA

The objective of **INBO-Academy** is to support the skills development of Basin Organisations staff; aside with the conferences organised by or with INBO, where peers-to-peers exchanges are at the core of our practices, INBO will propose training courses either in close cooperation with its members, for transferring good practices among BOs worldwide, or in close cooperation with external partners, more specialised on one concern or another.

INBO-Academy will mostly propose eLearning courses, either live thanks to web-based seminars, or standalone courses available from the website, or disseminated on CD Rom.
This approach is justified by our willingness to increase the flexibility of training practices : some courses will be run at predefined time (live sessions, with a direct contact with the lecturer/expert and colleagues), and others will be available 24/7, with an asynchronous link with the expert (s).

The typical "Classroom"

The best available Experts, and your colleagues, worldwide, together in your office

Typically we propose 2-hour session, for fitting as well as possible to the (busy) agenda of our audience – several sessions can be combined in homogeneous modules (from 1 up to 4 sessions), being performed within 2 up to 4 weeks.
And several modules can be sum up for a certificate (to be developed later).

INBO-Academy and ECRR – the European Centre for River Restoration (www.ecrr.org), join their forces to propose to Basin Organisations management staff a course at a distance :

Introductory Course on River Restoration for decision-makers

The European picture of river functions and conflicts is quite variable from one country to another; as a consequence, priorities can differ. Nevertheless, under the ECRR (European Centre for River Restoration) umbrella, there is a common view on RR, which should target the restoration of entire ecosystems and their processes, in which, as in undisturbed nature, dynamism is a key feature, expressed as the self-sustaining capacity of river and stream ecosystems, and their ability to respond to imposed external environmental changes (e.g. climate change). River dynamics can be used as the central process of restoration and create future trajectories of ecosystem and its self-maintained recovery.

Between 1998 and 2005, Europe suffered over 100 major damaging floods. Flood alleviation measures must be based on an integrated implementation and planning of project resulted in a better protection against floods and contributed to the natural development and/or hydrological connectivity of floodplains.

Linkages and feedbacks between hydrology, geomorphology and ecology along river corridors have provided knowledge that has influenced the way the rivers are managed today.

River restoration is an effective tool to implement EU Directive, and chiefly the Water Framework Directive; on the other hand, existing legislation gives good opportunities to implement river restoration measures.

This “Introductory course” is the first of a Series of lectures, to give to BOs staff the keys to understand how to use ecological approach for reaching the Good Ecological Status or Potential of their water bodies, and to fight against floods.

The aim of this first course is to test the interest of INBO members both for the topic, and the way the lecture is delivered : the course will be run from April 9th, 2010, during 4 weeks (one 2 hour-session per week at a distance) incl. one conclusive session.

Audience :

River basin managers or decision makers from basin organisations, involved in the definition and implementation of measures,
Consultancies willing to expand their competencies.
People already involved in RR would not take advantage of this course – ECRR and their national components already propose in-depth courses for practitioners.

Language :

The language for this introductory course is English.
Participants who feel not comfortable with English, and then prefer French or Spanish should refer to the organisers – a special course could be organised if a sufficient number of participants request it.

Cost :

The course is offered for FREE by INBO and ECRR, but the attendance is subject to registration, and a self-commitment to attend the sessions (except in case of force majeure, of course).

Dates :

Session 1 : Friday, April 9, 2010, from 12 to 2pm (Central European time)
Session 2 : Friday, April 16, 2010, from 12 to 2pm (Central European time)
Session 3 : Friday, April 23, 2010, from 12 to 2pm (Central European time)
Session 4 : Friday, April 30, 2010, from 12 to 2pm (Central European time)

Potential participants for who those dates don't fit (not European time, not Friday) should contact the organisers to discuss possible extra dates.

Contact :

This course is run by
CIRF, Centro Italiano per la Riqualificazione Fluviale (Italian Centre for River Restoration),
Office International de l'Eau, INBO Permanent Technical Secretary.

Registration and organisation : Gilles NEVEU (OIEau) g.neveu@oieau.fr
Content of the course : Bruna GUMIERO (CIRF) bruna.gumiero@unibo.it

Programme :

See attachment

BASICS OF ECOLOGICAL RIVER RESTORATION:
Essential tool to implement "Good Ecological Status"

An operational introductory e Learning course

This course is run by
CIRF, Centro Italiano per la Riqualificazione Fluviale (Italian Centre for River Restoration),
Office International de l'Eau, INBO Permanent Technical Secretary.

Aim: provide participants with an integrated view of Ecological River Restoration and how they could use RR to achieve GES.

Audience: River Basin Managers
Consultancies

SESSION 1 : Friday, April 9, 2010 – from 12 am to 2 pm

An introduction on River Restoration and Good Ecological Status (GES) by ECRR
To be hold by **Bart Fokkens**, ECRR president

Programme:

First 20 mn
Introduction to River Restoration in Europe
- Why is restoration needed
- What are the main principles of (ecological River Restoration)
- What is the state of the art of River restoration / how did it develop

Second 20 mn
The European Water Framework Directive(WFD) and River Restoration
- Good ecological status and good ecological potential
- European Eco-regions and WFD in relation to Integrated River basin management (IRBM)
- WFD Plans of measures in relation to the River Restoration measures

Third 20 mn
Policy drivers for River Restoration
- Climate change adaption measures
- Flood prevention
- Renewable energy
- Fisheries
- European Ecological networks

SESSION 2 : Friday, April 16, 2010 – from 12 am to 2 pm

Water quality: a basin scale strategy to achieve GES
To be hold by **Philip Weller**, Executive Secretary of ICPDR (International Commission for the protection of the Danube River) - He will present his daily experience within ICPDR.

Programme:

First 20 mn
Analysing and evaluating the ecological conditions of a large river basin - the experience in the Danube River
Second 20 mn
Developing restoration strategies across borders - preparing a River Basin Management Plan under the EU water framework Directive.
Third 20 mn
Challenges in implementing restoration actions on a large basin scale - cooperation in the Danube River Basin.

SESSION 3: Friday, April 23, 2010 – from 12 am to 2 pm

Hydrogeomorphology and RR: interaction with Good Ecological Status.
To be hold by **Dr Hervé Piegay**, Research Director at CNRS (Lyon, France), geomorphologist - He will present his own experience with local river basin Authority (Rhone River a medium size alpine basin).

Programme:

First 20 mn
Definition of hydromorphology and associated concepts (hydrosystem, process-responses, continuum, channel adjustment, trajectory…), linkage between human pressures, hydrogeomorphology, ecological responses.
Second 20 mn
Introduction of physical restoration, Classification of measures from local-scale to regional scale, from the form recreation to the process integration.
Third 20 mn
Challenging issues and tools available for targeting, monitoring and designing restoration actions; a few examples. i) Planning tools to evaluate hydromorphological alterations and target actions at the district scale, ii) monitoring issues, iii) modelling potential ecological effects of physical improvements, uncertainties in applying physical restoration.

SESSION 4 : Friday, April 30, 2010 – from 12 am to 2 pm

Round table with all lecturers to develop the discussion on most interesting matters, and answer to participants questions.
Wrap up session.