



Course concept note

Training of Trainers' course IUFM - Integrated Urban Flood Management

Nov 7th – 11th 2011, Porto Alegre, Brazil.

This training of trainers' course is part of a collaborative programme between Cap-Net/UNDP and APFM/WMO to capacitate water professionals, capacity builders, local authorities and other stakeholders to manage urban floods in the context of integrated water resources management. The focus of the programme is on development of sustainable flood management for cities.

Floods have increased impacts during the last decades due to increased concentrations of population in flood risk areas in urban environment, together with effects of climate variability. Floods account for 50% of natural disasters total impacts on the population and the population most vulnerable are in developing countries. Urban population reaches 50% of total population worldwide and it has been forecast by United Nation that in 2050 urban population will be about 70%. Every person born in cities in the coming years will put strong pressure on natural resources whilst occupying small spaces with a combination of potential hazards such as floods.

The main source of flood hazard has been land use in flood risk areas and the increased frequency of floods due to impervious areas in dense urban areas. The reasons for population vulnerability in developing countries included weak Institutions, lack of urban planning and outdated storm-water and flood plain management.

It is within this framework, and contributing to capacity building towards these understandings, that Cap-Net/UNDP, WMO/APFM, IPH/UFRGS, Rhama and Cap-Net Brasil organise a training of trainers' course. It is expected, that workshop participants –representing capacity building networks and other organizations- are committed to multiply and share learning's in these subjects in their own environments. Completing the workshop, a training package will be available to support and facilitate this process.

Objective

The aim is to develop an integrated and interdisciplinary vision on urban flood management. Introduce managers and decision makers to the knowledge of integrated and long term sustainable flood management for cities.

Target group

The workshop will mainly target participants with capacity building responsibilities in order to ensure replication and scaling-up of programmes and impacts. The workshop will in particular target participants with knowledge and experience in capacity building and research in the field of urban flood management who can transfer the knowledge to professionals of any background working in the urban environment, and decision makers in general.

In this context, participants are expected to come from multidisciplinary backgrounds. Participants will be experienced trainers (with experience in some aspects of flood management in the context of water management) in a position in capacity building that allows them to take this training forward at the local or regional level. The expected number of participants is 25, respecting gender and geographic balance.

Methods

The workshop will use adult learning tools, focusing on participants sharing their own experiences, and guided by the introduction of new conceptual approaches and tools. There will be a combination of short lectures, practical exercises, group work and discussion. The course will be supported by training materials developed on urban flood management. Contents will also be generated by other partners and course participants. Participants are encouraged (and expected) to bring in experiences with the application of water resources management for urban flood management. Modules will be supported by specific cases to be brought in by the participants. Each participant will be given the materials used in the training and a package containing useful resources introduced during the course.

Organisation

The course will be hosted by the Institute of Hydraulics Research – University of Rio Grande do Sul in Porto Alegre, Brazil. The course is part of Cap-Net global programme of action.

The duration of the course will be five days and it will take place from 7 to 11 of November 2011, in Porto Alegre, Brazil.

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Course programme

	Mon 7 Nov	Tue 8 Nov	Wed 9 Nov	Thu 10 Nov	Fri 11 Nov
08:45 – 09:00	Registration	Take home lessons	Take home lessons	Take home lessons	Take home lessons
09:00 – 09:45	Opening and introduction of participants	Urban waters	Urban drainage	Integrated Urban Water Management – Role play	Flood management in IWRM
09:45 – 10:30		Discussion	Exercise and discussion		Discussion
10:30 – 11:00	Break	Break	Break	Break	Break
11:00 – 11:45	Introduction to IWRM and Flood Management	Exercise	Integrated Urban Water Management	Role play continued	Planning of follow up activities
11:45 – 12:30	Discussion		Discussion		Group work
12:30 – 13:30	Lunch	Lunch	Lunch	Lunch	Lunch
13:30 – 14:15	Flood risk management	Flood plain management	Field visit	Integrated Urban Flood Management Planning	Reporting back and discussion
14:15 – 15:00	Exercise	Discussion		Discussion	
15:00 – 15:30	Break	Break		Break	Break
15:30 – 16:15	Sustainable urban development	Group work		Exercise	Closure
16:15 – 17:00	Group work				

Facilitated by:

Cap-Net Brasil	Rhama	Cap-Net	WMO	CKNet	Participants
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