



INTEGRATED WATER RESOURCES MANAGEMENT

An IWRM and Climate Change Adaptation Practitioners Course

This three-day thematic course teaches you how to analyse, formulate, and implement water policies, plans and programmes using an Integrated Water Resources Management (IWRM) approach. The course focuses on tools to implement IWRM – the enabling environment, institutional roles and management instruments. The aim of the course is to enhance your ability to undertake IWRM with special reference to catchment (watershed, river basin) management and ecosystems.

Within management instruments the emphasis is on the MIKE Powered by DHI modelling tools for building decision support systems (eg MIKE OPERATIONS, MIKE HYDRO). The requirements related to climate change, vulnerability and risk management are considered and international cases studies and lessons are drawn upon.

IWRM is a coordinated approach to land and water resources management at international (transboundary), national and at local scales. The global use of water for households, industries and irrigation is growing and to meet the needs there is a demand for better understanding of water resources and for sharing water more efficiently among different groups of users.

COURSE TOPICS

- IWRM and Climate Change, concepts and approaches (GWP ToolBox)
- IWRM implementation aspects
- Management tools, models and their application
- Information and decision support systems
- River basin, transboundary water management and modelling
- Climate change and adaptation options
- Establish challenges and set priorities using the Water Rapid Impact Assessment Matrix (RIAM)
- How to take the principles from IWRM into the MIKE modelling tools for building decision support systems (eg MIKE OPERATIONS, MIKE HYDRO)
- Demonstration and use of Aqua Republica – a serious game for the promotion of participatory water resources management
- IWRM, ecosystem approaches and environmental flows

TARGET GROUP AND PREREQUISITES

Water resource professionals including water managers, water resource engineers, hydrologists, hydro-geologists and water resource modellers. Participants are expected to have previous experience with water management and/or hydrology.

THE ACADEMY BY DHI

THE ACADEMY offers a palette of courses and capacity building packages designed to fit your needs and challenges. We offer standard and/or tailored training - face-2-face as well as online.

MIKE Powered by DHI courses focus on practical skills, hands-on exercises and teaching you how to get the most out of your software. These courses also enable you to understand the power of the MIKE tools for building decision support systems.

Thematic courses allow you to apply concepts, applications and decision support principles to the entire business process within current areas: aquaculture and agriculture, energy, climate change, flooding, coast and marine, surface and groundwater, urban water, industry, environment and ecosystems, product safety and environmental risk, etc.

Our trainers are experienced professionals, many of whom are recognised international experts in their fields. The use of highly skilled trainers guarantees the quality of THE ACADEMY courses.

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