



MIKE HYDRO BASIN

Introduction to river basin modelling

This two-day, hands-on course gives you an overview of the capabilities of MIKE HYDRO Basin and how it can be used to create models for river basin management and reservoir operations. In addition to the basic content, the course includes a number of optional modules that may be appropriate depending on the level of experience and needs of course participants (see below).

River basin planning and management addresses the efficient use of available water resources—given environmental, economic and social objectives and constraints. This can be facilitated by a decision support tool that links hydrological, engineering, water quality, agronomic, and other information in an integrated framework.

MIKE HYDRO Basin is a multi-purpose, map-centric decision support tool for integrated river basin analysis, planning and management. MIKE HYDRO Basin is designed for analysing water use at the river basin level. A mathematical representation of the river basin is defined including the configuration of river and reservoir systems, catchment hydrology and water user schemes. Optional modules are available for more detailed representation of irrigation, rainfall-runoff processes, river routing, surface water-groundwater interaction, and water quality processes.

COURSE TOPICS

- Introduction to the MIKE HYDRO Basin modelling framework
- Introduction to model design
- Operational framework and water user allocation rules
- Reservoir operating rules and hydropower modelling
- Result presentation and analysis
- Groundwater and river routing modelling (optional)
- Detailed irrigation demand and management analysis (optional)
- Hydrological modelling (optional)
- [Water quality modelling \(optional\)](#)
- [Use of scripting for modelling and input/output processing \(optional\)](#)
- Hands-on exercises

TARGET GROUP AND PREREQUISITES

Professionals in water resources planning and management in public and private sectors, who wish to obtain a general understanding of MIKE HYDRO Basin and its capabilities in developing powerful and efficient water resources models with MIKE HYDRO Basin.

DATE AND TIME

27—28 July 2017. The course days are from 9 am to 5 pm.

LOCATION AND VENUE

Manila (address to be announced).

FEES AND DISCOUNTS

Standard price: USD 400 (excl. taxes or levies).

Discounts:

- 10% with valid Service Maintenance Agreement on MIKE Powered by DHI product; or
- 20% for students; or
- 25% for 3rd and subsequent participants from same organisation

THIS IS INCLUDED

- Training material
- Training Certificate

LANGUAGE

Lectures and training material are in English

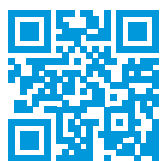
REGISTRATION AND CONTACT

Deadline for registration is 3 weeks before course start. A minimum of trainees is required for the course to proceed. DHI reserves the right to reschedule the training course up to 3 weeks prior to the course date scheduled.

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RELATED COURSES

- WATER RESOURCES AND CLIMATE CHANGE - Impact and adaptation studies
- INTEGRATED WATER RESOURCES MANAGEMENT (IWRM) - A policy framework for the application of planning and management tools
- ENVIRONMENTAL IMPACT ASSESSMENTS - EIAs and support tools
- WATER QUALITY MANAGEMENT - Data collection, analysis and validation
- REMOTE SENSING - Get the full picture using satellite images!
- WATER RESOURCES INFORMATION MANAGEMENT - Introduction to information management using MIKE INFO



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INSTRUCTOR

P. SURESH BABU

Dr. P. Suresh Babu specialises in Urban Planning & Water Management, Surface Water & Ground Water Hydrology, Urban Flood Modelling, Monitoring & Management, Flood Risk Assessments, Remote Sensing, Geographical Information System (GIS), and Water Quality Monitoring & Modelling. He has good experience in teaching and training candidates from government to private organisations.

PhD, Civil Engineering, Anna University India

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.

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.

Learn more about THE ACADEMY on www.theacademybydhi.com

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