



MIKE HYDRO RIVER

Introduction to river and channel modelling

This two-day, hands-on course gives you an introduction to MIKE HYDRO River and its capabilities for modelling of river systems. The aim is to enable you to create, edit and run basic river models and to analyse and present the simulation results.

MIKE HYDRO River is our new generation river modelling system and the successor to MIKE 11 - one of the most commonly applied 1D river modelling packages throughout the world. MIKE HYDRO River is a highly efficient modelling tool for the detailed design, management and operation of both simple and complex river and channel systems.

MIKE HYDRO River is used in a wide range of river related application areas such as flooding, flood forecasting and flood management, water quality, dam break analysis, structure operations, sediment transport and salinity intrusion in rivers, canals, wetlands and other water bodies. The wide range of add-on modules allows you to build your own personal river modelling tool box.

COURSE TOPICS

- Introduction to MIKE HYDRO (River module and other add-ons)
- Introduction and theoretical background to 1D hydrodynamic river modelling
- Understanding data requirements for optimal model set up and application
- The MIKE Zero Project Explorer
- Building river models in MIKE HYDRO River
- Running simulations
- Understanding and presenting simulation results
- Introduction to modelling of basic hydraulic structures
- Model stability and calibration
- Hands-on exercises

TARGET GROUP AND PREREQUISITES

Professionals who are interested in obtaining a general understanding of river modelling with MIKE HYDRO River and learn about its capabilities to set up and run river models. Additionally, existing MIKE 11 users who would like an introduction to MIKE HYDRO River - the successor to MIKE 11.

This course or corresponding knowledge is required in order to participate in our other courses 'MIKE HYDRO River - Advanced hydrodynamic modelling', 'MIKE FLOOD - River flood modelling', 'MIKE FLOOD - Integrated pipes, channels and surface modelling' and 'Flood modelling with Flexible Mesh (FM) - Take your flood modelling a step further'.

DATE AND TIME

19-20 September, 2019.
Course starts at 09:00 and finishes at 16:30.

LOCATION AND VENUE

Bogor, Indonesia

FEES AND DISCOUNTS

Standard price: USD400 (excl. taxes or levies).

Discounts:

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

THIS IS INCLUDED

- Training material
- Lunch and refreshments
- 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.

Client Success

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RELATED COURSES

- MIKE HYDRO River - Advanced hydrodynamic modelling
- MIKE FLOOD - River flood modelling
- MIKE FLOOD - Integrated pipes, channels and surface modelling
- MIKE HYDRO RR - Rainfall - Runoff modelling
- MIKE SHE - Integrated catchment modelling
- 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
- INTEGRATED CATCHMENT MANAGEMENT - Hydrology, management and decision making in a catchment with competing uses
- REMOTE SENSING - Get the full picture using satellite images!
- FLOOD FORECASTING AND EARLY WARNING - Introduction to real-time forecasting systems using MIKE OPERATIONS
- FLOOD FORECASTING AND EARLY WARNING - Configuring real-time forecasting systems using MIKE OPERATIONS
- WATER RESOURCES INFORMATION MANAGEMENT - Introduction to Information Management using MIKE OPERATIONS



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www.theacademybydhi.com/courses-and-events-calendar

INSTRUCTORS

FRITZI GIRONELLA

Ms. Fritzi Gironella is trained as a researcher in water sciences and engineering, having worked in research groups for about two years and have written her theses related to hydrology. Professionally experienced in hydroinformatics (numerical water modelling) especially in hydrodynamics. She is currently working in DHI for two years focusing on flooding studies and backwater analyses, as well as data pre-processing for inland water modelling. Fritzi is proficient in MIKE modelling softwares: MIKE 11 (one-dimensional river modelling), MIKE 21 (two-dimensional flood modelling), MIKE FLOOD (coupled one and two-dimensional flood modelling).



Master of Science in Hydroinformatics and Water Management,

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-to-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.

Learn more about THE ACADEMY on www.theacademybydhi.com

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