



FEFLOW

Introduction to groundwater modelling

This two-day, hands-on course provides you with an introduction to groundwater modelling using FEFLOW. You will learn the basic concepts of the software through building two and three-dimensional flow and solute-transport models applying the most important programme functions, including pre-processing, simulation and results evaluation.

FEFLOW is widely recognised as a comprehensive software package for subsurface flow and transport simulation. FEFLOW's unique mesh capabilities (structured and unstructured) allows you the highest degree of flexibility to account in detail from the most simple to complex geometrical configurations. The software is used by leading research institutes, universities, consulting firms and government organisations all over the world.

FEFLOW's scope of application ranges from simple local-scale to complex large-scale modelling. Application areas include water management, mine water, saltwater intrusion, geothermal energy, and variably saturated media.

COURSE TOPICS

- Introduction to FEFLOW
- The graphical user interface
- Creating 2D and 3D mesh geometries (structured and unstructured meshes)
- FEFLOW's interface with geological software
- Setting up flow models with confined and unconfined aquifers
- Setting up mass-transport models
- Setting up groundwater-age models
- Steady-state and transient models
- Usage of GIS/CAD data interfaces and other formats
- Results evaluation
- Visualisation and animation
- Hands-on exercises

TARGET GROUP AND PREREQUISITES

Groundwater professionals working in consulting companies, public authorities, university and research institutions. You are expected to have both a basic knowledge of groundwater modelling as well as computer application.

DATE AND TIME

February 26 – 27, 2019
The course starts at 09:00 and finishes at 17:00.

LOCATION AND VENUE

Budapest

FEES AND DISCOUNTS

Standard price: € 1 400.00 + VAT
Discounts:
• 10% with valid Service Maintenance Agreement

THIS IS INCLUDED

- Training material
- Access to all software required
- Training Certificate

LANGUAGE

Lectures and training material are in English.

REGISTRATION AND CONTACT

Deadline for registration is February 05, 2019 (3 weeks before course start). A minimum number of trainees is 5 person. DHI reserves the right to reschedule the training course up to 1 week prior to the course date scheduled.

CONTACT

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RELATED COURSES

- III. Hungarian FEFLOW user day (free event) - 16 October 2019, Budapest
- FEFLOW: Numerical modelling for geothermal installation (14-15 oct. 2019)
- FEFLOW: Advanced groundwater modelling (17-18 oct. 2019)



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

INSTRUCTOR

CARLOS A. RIVERA VILLARREYES

Dr. Carlos Rivera works as the Director Sales Service and Support at DHI WASY, Germany. Within his activities, he leads the FEFLOW user support team. Dr. Rivera has trained professionals around the world in different groundwater modelling topics in English and Spanish. Dr. Rivera has profound knowledge of groundwater and unsaturated-zone modelling as well as parameter estimation (model calibration, e.g., with PEST).



Dipl.-Ing. (FH), Civil Engineering, University of Piura, Peru

MSc, Desert Studies - Water Resources Management, Ben-Gurion University, Israel

PhD, Hydrology, University of Potsdam, Germany

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.

Learn more about THE ACADEMY on www.theacademybydhi.com

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