



FEFLOW

Introduction and advanced topics

This instructor-lead, hands-on course provides you with comprehensive training in groundwater modelling using FEFLOW. The course consists of an introductory and an advanced part. The introductory part covers the necessary information and examples to work with flow and mass transport models directly after the course participation. The advanced part aims at providing you with the skills for dedicated modelling topics. A FEFLOW trainer will guide you through the exercises step-by-step.

FEFLOW is widely recognised as a comprehensive software package for subsurface flow and transport simulation. FEFLOW unique meshing capabilities (structured and unstructured) allows for the highest degree of flexibility to account in detail for 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.

Discover the key features of FEFLOW [here](#).

Course topics

Introductory session

- What's new in FEFLOW 11
- Introduction to FEFLOW and its 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 and groundwater-age models
- Setting up steady-state and transient models
- Usage of GIS/CAD data maps and other formats
- Results evaluation, visualisation and animation

Advanced session

- Unsaturated flow modelling
- Density-dependent flow modelling
- Heat transport, including geothermal energy systems (closed/open-loop)
- Fractures and discrete features
- Multicomponent transport and chemical reactions
- Introduction to the FEFLOW programming interface and Python scripting
- Introduction to automatic model calibration with FePEST
- Hands-on exercises

Date and time

29 June-3 July 2026
The course starts at 9:00 CEST and finishes at 16:30 CEST

Location

Neuchâtel - Switzerland
Faculté des sciences
Emile-Argand 11

Fees and discounts

Academic participants:
CHF 500 for 5 days

Other organisations:
CHF 1,250 for 5 days

All prices are exclusive of VAT and taxes

Included in your training

- Full access to FEFLOW software during course
- Training material
- Training Certificate upon completion of course
- Lunch, coffee breaks and refreshments

Language

Lectures and training material are in English.

Registration and contact

Registration deadline: 15 June 2026

A minimum number of trainees is required for the course to proceed. DHI reserves the right to reschedule the training course up to 2 weeks prior to the published course date.

Target group and prerequisites

This course is intended for groundwater professionals working in consulting companies, public authorities, universities and research institutions. Participants are expected to have a basic knowledge of groundwater modelling and general computer applications.

Related courses

- [FEFLOW – Getting started with groundwater modelling. | Self-paced course](#)
- [FEFLOW – Getting started with groundwater quality modelling | Self-paced course](#)
- [FEFLOW – Getting started with geothermal modelling: Open-loop systems. | Self-paced course](#)

Course information

This training is co-presented by Université de Neuchâtel
Contact details: school.earth-water@unine.ch

Further information

Scan to register now



Instructor

Dr. Robin Marc Dufour

Dr Robin Marc Dufour is Vice President for Mining & Groundwater at DHI and a recognized expert in hydrogeological modelling with FEFLOW. He has extensive experience in groundwater flow as well as mass and heat transport, with a strong focus on regional groundwater management, mining and geothermal applications.



Dr Dufour combines strategic leadership with hands-on technical expertise and is actively involved in advanced numerical modelling and decision support for international projects. He has long-standing experience delivering FEFLOW training courses and technical workshops for professional audiences worldwide, supporting participants in English, French and Spanish.

MSc in Hydrogeology, University of Neuchâtel
BSc in Geology, University of Neuchâtel

Feedback from course participants

“Just came back from a FEFLOW course held at DHI Germany. Many interesting groundwater flow and mass transport modelling topics were presented (unsaturated flow, density-dependent flow, fracture flow, etc.) and discussed extensively. Many thanks to Dr Carlos A. Rivera Villarreyes and DHI. Carlos delivered a high-quality course and welcomed participants warmly.”

Matteo Francesconi, Hydrogeologist, Groundwater modeller, AECOM, Italy

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