

COURSE SCHEDULE

FEFLOW Software Training

Course Name:	FEFLOW: Advanced Groundwater Modelling DHI
Software Modules:	FEFLOW 8.0
Location:	Bloemfontein, South Africa
Trainer:	Carlos Rivera (DHI) and Amy Allwright (UFS)
Course Duration:	2 days
Dates:	14 – 15 September 2023
Contact Person:	Cornelia Höll (choll@ekosource.co.za)

Course Contents:

- 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
- 3D unstructured meshes

Day 1

- Welcome
- Modelling unsaturated flow
- Modelling reactive transport (multi-species transport)
- Fractures and discrete features
- 3D unstructured meshes – Part 1 Using elevation data

Day 2

- 3D unstructured meshes – Part 2 Integration of geological models
- News in FEFLOW 8.0: 3D meshing, 3D Supermesh repair and 3D Supermesh remesh
- Introduction to automatic model calibration with FePEST

Training days start: 08:30
Morning Coffee/Tea break: 10:30 – 10:45
Lunch: 12:30 – 13:30
Afternoon Coffee/Tea Break: 15:00 – 15:15
Training days finish: 16:30