REGISTRATION:

To Short Course

Groundwater Flow & Transport Modeling with GMS

April 05-08, 2011

Name

Company

Street

Postal code, city, country

Telefon/fax

E-mail

Sign

☐ I prefer vegetarian food.

Notes:

The notification in writing by post, fax or e-mail to the DGFZ e.V.

Fax: +49-351-4050679
E-Mail: chelling@dgfz.de

ORGANISER:
Dresdner Grundwasserforschungszentrum e.V.
Dresden Groundwater Research Center

VENUE:
Seminar room at Grundwasser-Zentrum Dresden
Meraner Straße 10, 01217 Dresden, Germany

REGISTRATION:
Please register with the enclosed registration card or online (http://www.aquaveo.com/training_registration). The Number of participants is limited to 12. With the binding confirmation of course registration you will receive further information

SEMINAR FEE:
The cost of the 4-day course is $1,500.00 (USD) for pre-registration made at least 30 days prior to the course, and $1,600.00 (USD) thereafter.

Registration includes the following:
- Comprehensive Course Notes
- Tutorial Notes and Data
- 25% Discount (up to $500.00) on the purchase of a GMS license
- Lunch and coffee/snack breaks each day

NOTE:
For Training Attendee Cancellation Policy please see:
http://www.aquaveo.com/training_cancellation

Seminar language is English.

ACCOMODATION:
We kindly ask the participants to account for their accommodation in Dresden themselves. For booking you can use the following contact details:
- Tourist-Information at Kulturpalast, Schlossstr. 2, 01067 Dresden
- Tel. +49 351 50 160 160, Fax +49 351 50 160 166
- www.dresden.de

FOR FURTHER INFORMATION CONTACT:
Dresdner Grundwasserforschungszentrum e.V.
Mrs. Dr. Claudia Helling,
Tel. +49 (0)351/4050-676, Fax –679
Email: chelling@dgfz.de
http://www.dgfz.de

www.aquveo.com/ gms_training_dresden

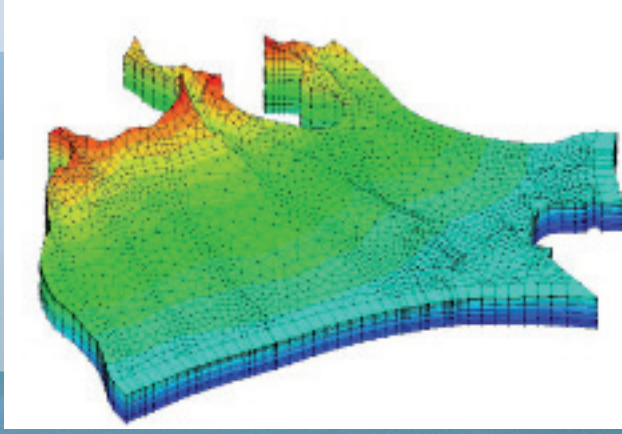
DGFZ
Dresdner Grundwasser-forschungszentrum e.V.

SHORT COURSE

Groundwater Flow & Transport Modeling with GMS

SHORT COURSE

April 05-08, 2011



GRUNDWASSER-ZENTRUM DRESDEN
Meraner Straße 10
01217 Dresden, Germany

INVITATION

Dear colleagues,

the Dresdner Grundwasserforschungszentrum e.V. kindly invites you to the hort course

Groundwater Flow & Transport Modeling with GMS.

A hands-on short course featuring Geostatistics, Site Characterization, MODFLOW/MODPATH/MT3DMS/RT3D Simulation, Analytic Element Modeling and Model Calibration.

The groundwater modeling training course by Aquaveo is designed as a hands-on, application oriented training course. The course will provide the attendees with the knowledge and tools necessary to solve groundwater modeling problems quickly and efficiently. The course begins with a review of groundwater modeling concepts and then attendees immediately begin building groundwater models. A series of lectures and instructor led exercises will be presented on using GMS with MODFLOW, PEST, MODPATH, MT3DMS, borehole data, and GIS data. Attendees will learn how to generate numerical models from high-level conceptual models constructed with GIS tools.

Objectives of the four day training course on GMS are:

- Benefit from hands on instruction throughout the course.
- Create conceptual models using GIS objects.
- Integrate GIS data into groundwater models.
- Perform flow modeling with MODFLOW.
- Learn to calibrate groundwater models using PEST.
- Analyze simple transport problems with MODPATH.
- Learn to model transport with MT3DMS.
- Create stratigraphy models from borehole and other subsurface data.
- Learn how to generate professional output of modeling projects.

Prof. Dr.-Ing. habil. L. Luckner
Chairman, DGFZ e.V

Dr. Claudia Helling
Professional Training at DGFZ e.V.

PROGRAM

The day-to-day program entails:

DAY 1

Groundwater Modeling Concepts
Getting Started on a Modeling Project
Constructing a conceptual model
Analytic Element Models – MODAEM
MODFLOW - Part I
MODFLOW - Part II

DAY 2

MODFLOW Conceptual Model Approach
2D Geostatistics
MODFLOW – Interpolating Layer Elevations
Site Characterization
Site Characterization via Horizons

DAY 3

Importing GIS Data
Model Calibration
Parameter Estimation with PEST
Parameter Estimation
Regional to Local Model Conversion

DAY 4

MODPATH
Transport Modeling Concepts
MT3DMS

For more details please see
http://www.aquaveo.com/gms_training_dresden

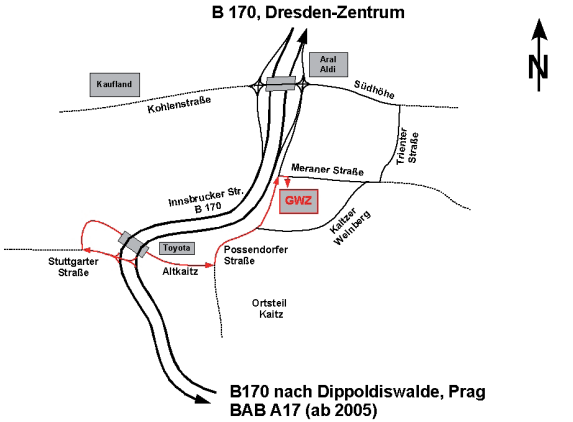
ARRIVAL

Getting to Dresden:

- by plane (airport Dresden-Klotzsche), then by suburban train and bus or taxi

Public transport in Dresden: Timetable: www.dvb.de
from central station with bus 66 (towards Coschütz/Gittersee or Mockritz to stop Südhöhe, then 10 min by foot

Car:
Motorway A 17, exit Dresden-Südvorstadt,
Then see sketch :
At the first light of the B170 after the motorway junction follow the signs Kaitz left and after 50 m turn right. Move left on the Possendorfer Straße, at its end on the right side the Grundwasser- Zentrum is situated. Or use Google Maps.



Course instructor

Alan Lemon

Member of the GMS development team and software engineer at Aquaveo. Alan has years of experience developing groundwater modeling software and teaching. He has also been involved in several consulting projects using GMS to model groundwater systems.