



# Education evenings 2016

*Practical introduction  
to groundwater modelling*

Computer exercises  
01 01 General introduction

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## Contents of this short course (1/2)

### ✓ 01 Evening 1

- 01 General introduction
- 02 Introduction to ModelMuse
- 03 Our first MODFLOW model
- 04 Adding features to our model

### ✓ 02 Evening 2

- 01 A more complex model
- 02 Calibrating the more complex model

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## Contents of this short course (2/2)

### ✓ 03 Evening 3

- 01 RMA example model
- 02 Particle tracking
- 03 Solute transport simulation
- 04 What else?

### ✓ 04 Additional exercises

- 01 Grid design
- 02 Troubleshooting exercises

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## Software we will use

### ✓ Pre- and postprocessors

ModelMuse 

ModelMate 

ModelViewer 

GW\_Chart 

**Make sure these are installed!**  
See /00\_before\_the\_course/ !

### ✓ Codes

MODFLOW 

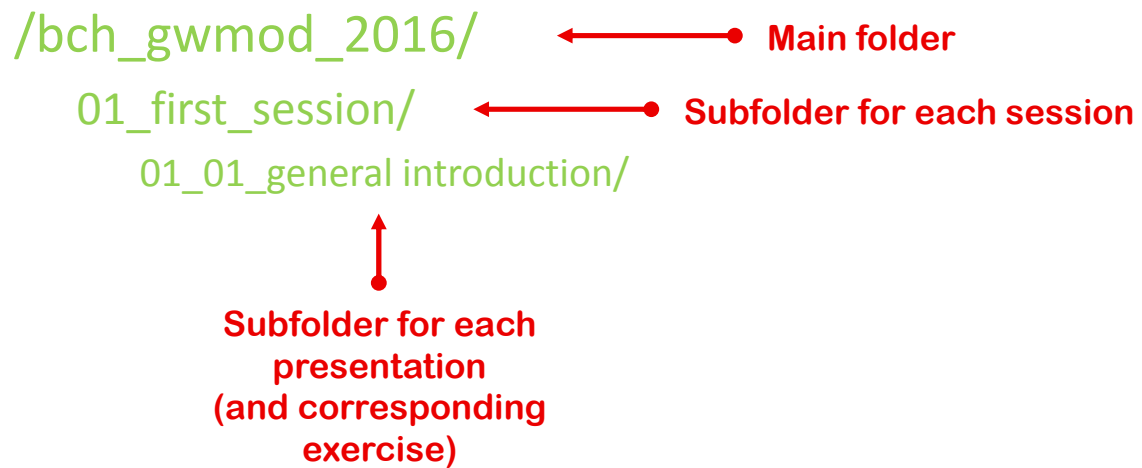
MODPATH 

MT3DMS 

UCODE 

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## Folder structure (1/2)



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## Folder structure (1/2)



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## Acknowledgements (1/2)

- ✓ A large part of the exercises is based on training materials generously provided by Richard Winston (ModelMuse Class Nov 2010 + ModelMuse help examples)
- ✓ Ned Banta is acknowledged for providing an update of the dll file accompanying ModelMate – Update: new version (1.0.3) is online since this Tuesday!

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## Acknowledgements (2/2)

- ✓ All other people who have worked on the programs and codes we will be using (you can find their names on the websites). Without them, this practical introduction to groundwater modelling with open source tools would not have been possible today.

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*Questions? Found an error?  
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