



Education evenings 2018

*Practical introduction
to groundwater modelling*

Computer exercises
01 01 General introduction

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Contents of this short course (1/2)

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

✓ 02 Evening 2

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- 02 Calibrating the more complex model

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- 02 Particle tracking
- 03 Solute transport simulation
- 04 What else?





✓ 04 Additional exercises

- 01 Grid design
- 02 Troubleshooting exercises
- 03 MODFLOW LGR

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Software we will use

✓ Pre- and postprocessors

ModelMuse 
 ModelMate 
 ModelViewer 
 GW_Chart 

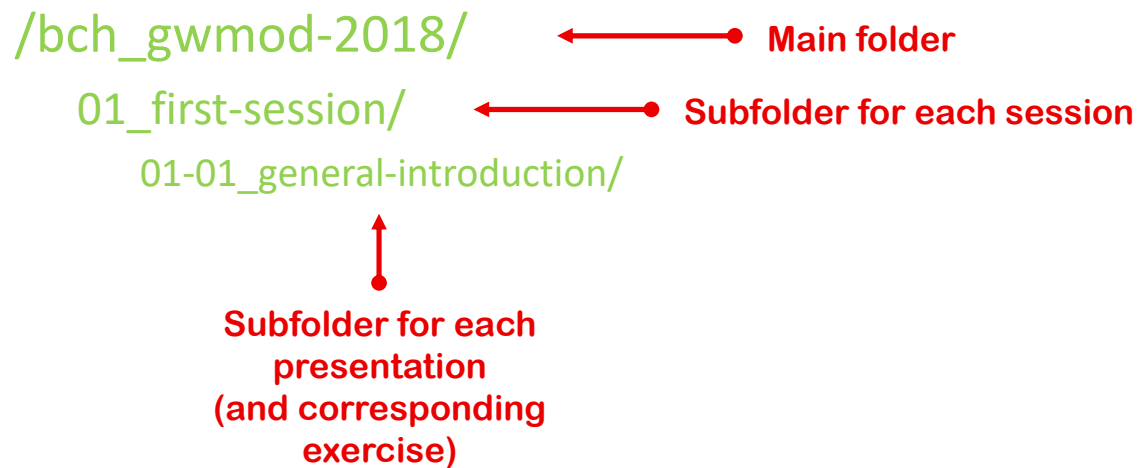
Make sure these are installed!
 See /00_before-the-course/ !

✓ Codes

MODFLOW-2005 
 MODFLOW-LGR 
 MODPATH 
 MT3D-USGS 
 UCODE 

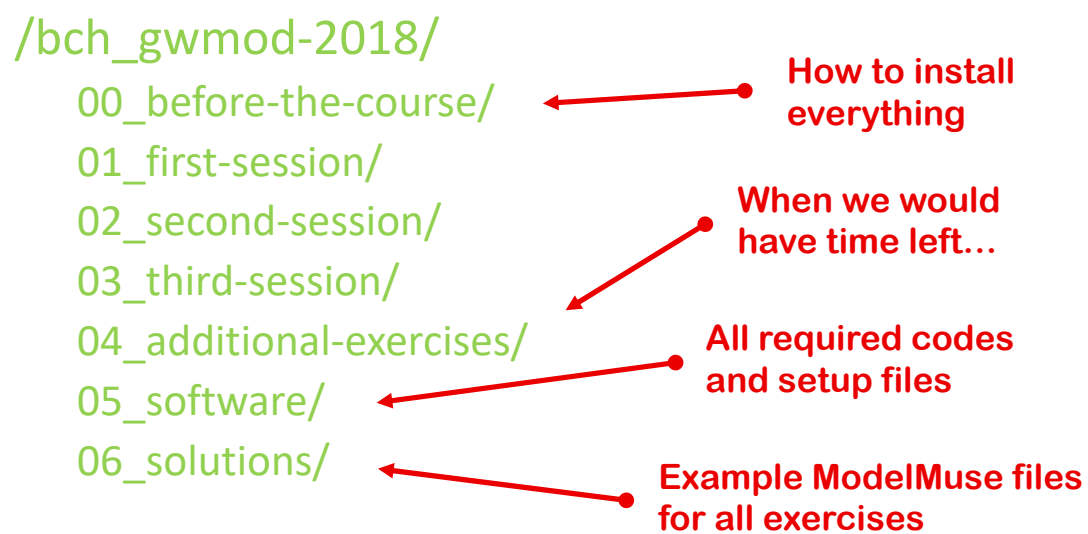
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Folder structure (1/2)



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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 (USGS), the ModelMuse author.
- ✓ Alberto Casillas (SCK•CEN, UGent) reviewed the exercises of the first edition of this course, and made several suggestions for improvement.

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Acknowledgements (2/2)

- ✓ All 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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