

Instructions for downloading and installing of Groundwater Modelling Software

For the modelling the following software packages are needed:

- **ModelMuse v.5.4.0.0** for 32 or 64 bit operating systems
- **MODFLOW2005 v. 1.12.00**
- **MODPATH v. 6.0.01**

The packages are distributed by United States Geological Survey ([USGS](#)). We will only use software from this source. The software provided here are of industry-standard, open-sourced code, and almost always cost free, besides extensive documentation.

In case of problems, please proceed as follows:

ToDo

- Try harder! E.g., read the installation manual.
- Check the ModelMuse video tutorials [provided here](#).
- Ask fellow participants.
- Contact Dr. Prabhas K Yadav.

1 Download and installation of ModelMuse v. 5.4.0.0

- Go to the website of [ModelMuse](#)¹:
- Go to section „**Download Current Version of ModelMuse**“
- Click on „**For 64-bit operating systems: Installer**“ or „**For 32- and 64-bit operating systems**“ to download the software.
- Follow instructions of the setup program.

Important!

Allow to create the **ModelMuse icon**  on your desktop. With this step you will also install the program **ModelMonitor**. This is required to check if the model run was successful.

2 Download and installation of MODFLOW-2005 v. 1.12.00

Warning

Do not download MODFLOW6. We use only MODFLOW2005

- Go to [MODFLOW2005](#).
- Go to section „**Download Current Version of MODFLOW-2005**“
- Click on „**MODFLOW-2005 v.1.12.00 compiled for Microsoft Windows, with source code and test problems [13.6 MB ZIP]**“.
- Save the zip file and **unzip** it to install the program.

¹Blue colored words are clickable and linked to website

- If possible, copy the content of the unzipped (!) folder „MF2005.1_12“ to the following folder in your harddisk: „C:\WRDAPP\MF2005.1_12“. This allows **ModelMuse** to automatically detect the .exe files.

3 Download and installation of MODPATH v. 6.0.01 (!)

Warning

Do not download not MODPATH v. 7.2.001. We use only v. 6.0.01

- Navigate to [MODPATH Webpage](#).
- Go to section „**Superseded MODPATH Versions**“, and click on „[MODPATH Version 6.0.01 program, source code, user guide, and example problems](#)“
- Save the zip file and **unzip** it to install the program.
- If possible, copy the content of the **unzipped folder** „modpath.6_0“ into the following folder on your harddisk: „C:\WRDAPP\modpath.6_0“.

4 Final steps

- Check whether the **ModelMuse icon** („magic cube“) appears on your desktop.
- If yes, double click on the **ModelMuse icon** .
- A window should pop up containing the question „**What do you want to do?**“.
- Check if executable files „mf2005.exe“, „mp6.exe“, „ModelMuse.exe“, and „ModelMonitor.exe“ is available in any folder (e.g., „C:\WRDAPP\modpath.6_0“.) your harddisk.
- The above mentioned methods should mostly work for installing other MODFLOW related codes.

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