Interactive comment on “The Rock Geochemical Model (RokGeM) v0.9” by G. Colbourn et al.

G. Colbourn et al.
gcolbourn@hotmail.com

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I’ve added the following to the Appendix to make the instructions for getting the model going easier to follow:

0.0.1 Obtaining the model and getting it functioning

1. In the terminal, execute the following line to download the model from the svn repository:

   `svn co https://svn.ggy.bris.ac.uk/subversion/genie/branches/greg-s_branch?r6324 -username=genie-user`

   Careful when copying and pasting to make sure all characters come out, and there are no spaces in the URL. You will now have a copy of the model in a
directory named greg-s_branch?r6324. Rename this directory genie.

2. You will now need to edit the files genie-main/user.sh and genie-main/user.mak in order to set environment variables (directory paths, compiler options and library locations) relevant to your system. Possible options you may need are commented out with a #. Replace ~/genie_dev and $(HOME)/genie_dev with the path to the directory containing the model (directory genie from step 1 above).

3. Test the compilation of the model by typing make from the directory genie-main. Most likely it won’t work first try and will need some tweaking of variables and flags. See https://source.ggy.bris.ac.uk/wiki/GENIE:Compiling (username: genie-user, password: tosca) for tips on compilation.

4. Once the model compiles without error, run the tests to make sure it is functioning properly. Again from the directory genie-main, type:
make assumedgood [this makes the assumed good files that the test results are compared to]
make test [runs a basic test]
make testebgogs [tests the atmospheric and ocean physics parts of the model]
make testbiogem [tests the biogeochemistry module]

5. Assuming all tests pass, move on to the following section to learn how to run experiments as done for this paper.

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