



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

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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

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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.