



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

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This review is challenging, and as I'm no longer employed in academia I must apologise for not giving it the attention it deserves. Here's what I've managed to put together in way of reply to the points raised:

Other major points:

1. For the runoff distribution, see pp.23-25 of my PhD: <https://ueaeprints.uea.ac.uk/34242/> This section also describes various unsuccessful attempts to improve the distribution.
2. We also have activation energies from West et al (2005), which are based on field data. However, these aren't the default in the runs shown (although they are in the most up to date version of the model)

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3. Equation 6 is based on field data, so presumably incorporates biological and runoff effects.

Minor points:

1. "terrestrial neutralisation" is more specific than weathering - refers to the neutralisation of atmospheric carbon perturbations.
2. References removed.

Interactive comment on Geosci. Model Dev. Discuss., 5, 2007, 2012.

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