Geoscientific
Model Development
Discussions

Open Access

Interactive comment on "WRF4G: WRF experiment management made simple" *by* V. Fernández-Quiruelas et al.

J. Kala (Editor)

j.kala@murdoch.edu.au

Received and published: 9 October 2015

Dear authors,

Thanks for submitting your work for review in GMD. I have considered the comments of all 4 reviewers and went through the paper myself. The issue here is that 2 reviewers are of the view that the paper does not fit the scope of GMD, while the other two have highlighted the usefulness of WRF4G to the ever growing number of WRF users, but point out several ways the manuscript should be improved.

I agree that your paper fits broadly within the stated scope of GMD: "Also included are papers relating to technical aspects of running models and the reproducibility of results (e.g. assessments of their performance with different compilers, or under different

C2453

computer architectures).".

You do cover a technical aspect of running WRF. However, the main issue is that it really is Not clear how WRF4G advances the development of WRF. Sure, making it easier to run WRF would in the long run, advance it's development. However, you need to make a much stronger case here, for the paper to be suitable for GMD. The key here is "Model development" and how WRF4G advances WRF development. WRF4G does not really address the issue of reproducible results under different compilers/architecture, at least this is not really addressed/evidenced in your paper, which would have made it fit the scope better. As pointed by one of the reviewers, this would be beyond the scope of the current paper, and i agree.

Given all of the above, i do Not encourage re-submission. Substantial further work focusing on how WRF4G addresses the issue of performance/reproducibility under different compilers and architectures would potentially lead to a paper suitable for GMD. However, this would have to be a markedly different manuscript and not something i think you can address properly here.

I encourage you to promote WRF4G more widely to WRF users, as well as the information presented in this manuscript, perhaps as a User Manual.

I hope you will consider GMD again in the future for your work.

Kind regards,

Jatin Kala

Interactive comment on Geosci. Model Dev. Discuss., 8, 6551, 2015.