

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

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According to the comments of this and other referees, we probably failed to highlight the advantages of WRF4G as compared to other workflow managers available, especially WRF Portal. We are willing to provide a new version of the manuscript clarifying this. WRF4G supports the use of several HPC resources, along with Grid and Cloud. Long experiments can be automatically split into dependent pieces, and other kind of experiments involving many independent simulations can also be easily configured, run and monitored.

We do not agree with the referee regarding that the biggest problem faced by users is compiling the code. Many computing infrastructures provide WRF compiled for their users. Also, climate scientists and meteorologists usually work at institutions where

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they have support for tasks such as properly compiling the model components. However, managing experiments that involve running thousands of simulations can be a real challenge, which is usually solved ad hoc for each experiment type and the user has to recover manually from failures. This is a time-consuming and error-prone task.

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