

5.4 GIS4WRF — Overview of a new toolkit for pre- and post-processing in the Advanced Research WRF modelling framework.

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GIS4WRF is an evolving cross-platform and open-source QGIS Python plug-in for the Advanced Research WRF (Weather Research and Forecasting) modelling framework that enables users to carry out several geo-related tasks (e.g. re-/mapping land surface data), define model domains, configure model parameters, run simulations, and post-process model output files within a single graphical user interface in QGIS.

In our presentation we will give a general overview of its features through examples and highlight future ideas and possible avenues for further development. We are committed to developing GIS4WRF as a community-driven project on GitHub at <https://github.com/GIS4WRF>. We strongly encourage users to try it out on their systems as early adopters and provide any type of feedback, including bug reports and feature requests, via GitHub's issue system. We are open to collaborations and grateful for any code contributions via GitHub pull requests.