**Cover letter for GMD manuscripts submission (for review process)**

1. The **abstract** (title, authors, affiliations, abstract text) as a \*.pdf file
2. The complete **manuscript** (title, authors, affiliations, abstract, text, tables, figures) as a \*.pdf file
3. Supplementary materials.
4. Source code is archived at: https://zenodo.org/record/572819#.WRCy7xiZORs (DOI: 10.5281/zenodo.572819). Link to the repository is provided in manuscripts.
5. User manual and input data for test runs are also archived in the same repository.
6. Output data of simulations presented in the paper is around tens of GB and is archived in UB-Box. Can give permission to access upon request.