

# Land Surface Model influence on the simulated climatologies of extreme temperature and precipitation events within the WRF model over North America

Almudena García-García (1, 2), Francisco José Cuesta-Valero (1,2), Hugo Beltrami (1), Fidel González-Rouco (3), Elena García-Bustamante (4), and Joel Finnis (5).

1 Climate & Atmospheric Sciences Institute, St. Francis Xavier University, Antigonish, Nova Scotia, Canada

2 Environmental Sciences Program, Memorial University of Newfoundland, St. John's, Newfoundland, Canada

3 Physics of the Earth and Astrophysics Department, IGEO (UCM-CSIC), Universidad Complutense de Madrid, Spain.

4 Research Center for Energy, Environment and Technology (CIEMAT), Madrid, Spain.

5 Department of Geography, Memorial University of Newfoundland, St. John's, Newfoundland, Canada

For more information about this work, please see the open discussion in *Geoscientific Model Development* at <https://www.geosci-model-dev-discuss.net/gmd-2020-86/>

