
WRF-Chem simulations for aerosol cloud interaction research (REINFORCE)

Researchers:

- Lucas Alados Arboledas. [Universidad de Granada](#) [1].

Language Undefined

Description:

Proyecto asignado a través de la [Red Española de Supercomputación](#) [2].

To be able to take decisions on how best to adapt to Climate Change, it is essential to have access to reliable data and climate change projections. To improve the climate change projections, the Fifth Assessment Report of the IPCC points to the aerosol-cloud interactions (ACI) as one of the main sources of uncertainty due to the poor knowledge of the detailed aerosol impact on clouds. Therefore, Aerosol-Cloud Interaction (ACI) is presently in the focus of atmospheric research, particularly on cloud models since incorporating ACI accurately in cloud parameterization schemes is rather challenging. With REINFORCE, we will investigate the ACI and Ice Nucleation formation to evaluate cloud model parameterizations by means of WRF-Chem model.

Source URL:<https://www.cenits.es/en/proyectos/wrf-chem-simulations-aerosol-cloud-interaction-research-reinforce>

Links

[1] <https://www.ugr.es/> [2] <https://www.res.es/>