Applying an ensemble data assimilation technique to generate a high-resolution regional dust analysis

Investigadores:

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Idioma Sin definir

Descripción:

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

There is an increasing need for accurate predictions of sand and dust storms because of its impact on life, health, property, environment and economy in many countries. In alignment with the mission of the first Regional Specialized Meteorological Center on Atmospheric Sand and Dust Forecast, the present project aims to prepare the operational implementation of an ensemble data assimilation technique to generate an improved high-resolution regional dust forecast for Northern Africa, Middle East and Europe. The novelty of the proposed project will be the generation of a dust forecast at an unprecedented high-resolution using a state-of-art dust model and its advanced data assimilation capabilities with the assimilation of satellite products over source regions with specific observational constraints for dust.

URL del envío:https://www.cenits.es/proyectos/applying-ensemble-data-assimilation-technique-generate-high-resolution-regional-dust

Enlaces

[1] https://www.bsc.es/ [2] https://www.res.es/