DustClim

European Research Area for Climate Services

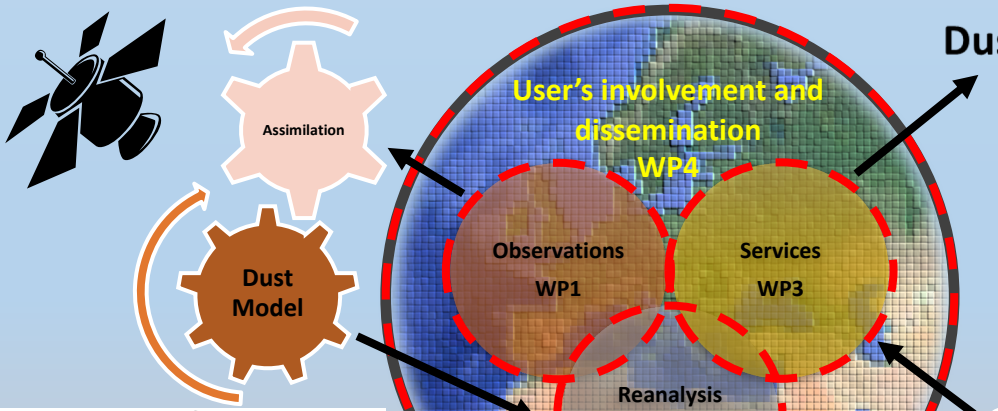
Dust Storms Assessment for the development of user-oriented Climate services in Northern Africa, the Middle East and Europe

Project Overview

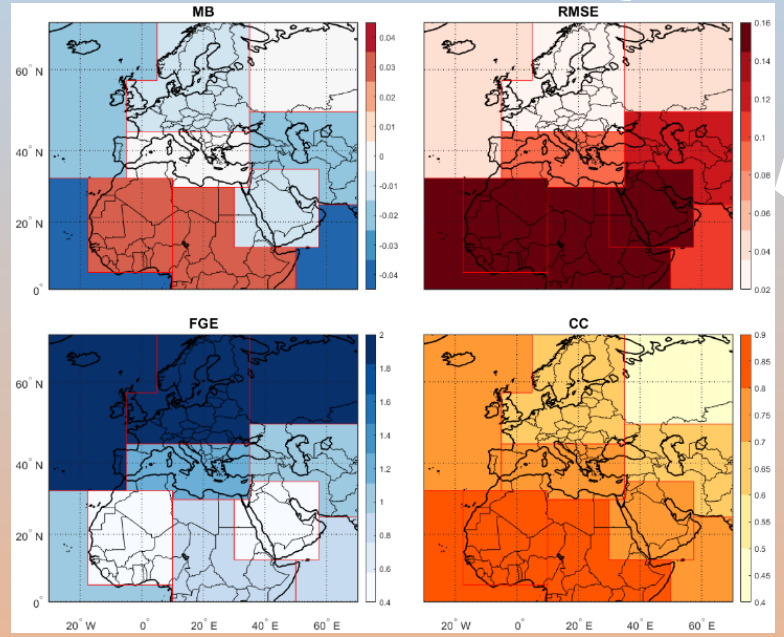
Sand and dust storms (SDS) are an important threat to health, environment and economy in many countries. DustClim project makes a major step forward in the way SDS affects society by producing an advanced dust regional model reanalysis for Northern Africa, Middle East and Europe and by developing dust-related services tailored to specific socio-economic sectors.

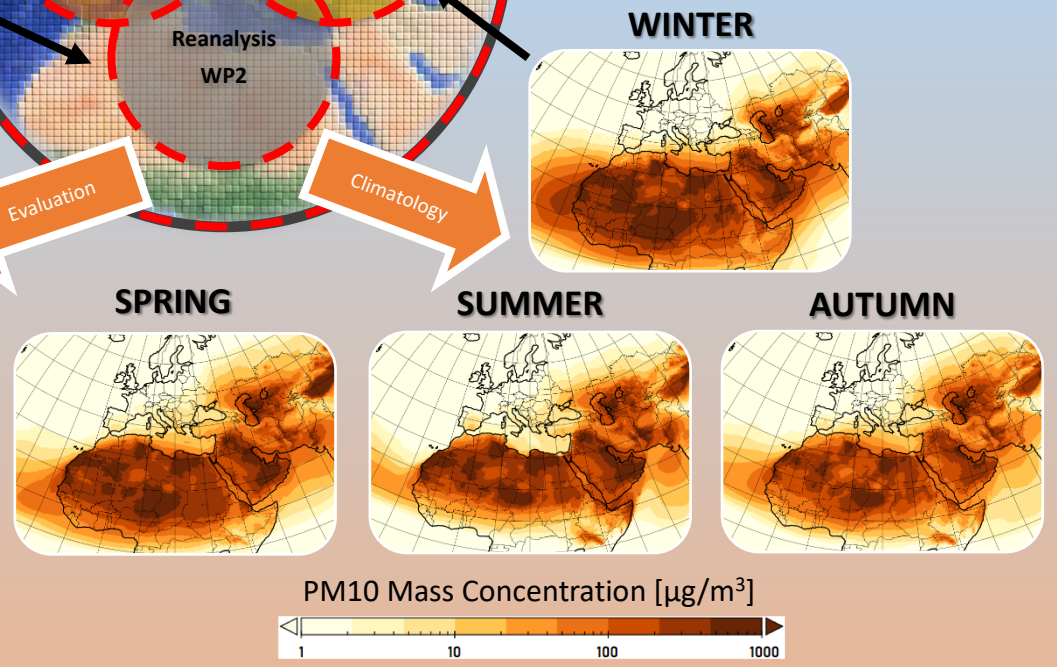
Project Objectives

- Produce high-resolution dust model reanalysis for the decade 2007-2016, by assimilating satellite dust observations
- Perform reanalysis evaluation using a wide variety of independent dust observations
- Provide reliable information on SDS trends and current conditions (dust climatology)
- Develop dust impact assessment pilot studies for three key economic sectors (air quality, aviation and solar energy industry)



Dust-related Climate Services





The DustClim consortium is formed by a multidisciplinary group of international scientific experts on aerosol measurements (CNR-IMAA, CNRS-LISA), aerosol modelling (BSC, CNR-ISAC), and dust impacts and services (AEMET, FMI, CNR-IMAA, CNR-ISAC)

BSC · AEMet Agencia Estatal de Meteorología · cnrs

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