

Rates of change to the maximum annual daily rainfall quantiles expected in a situation of climate change at national level.

Contact information

Address: Main researchers:

- LUIS JESUS MEDIERO ORDUÑA

luis.mediero@upm.es

- CARLOS GARIJO SARRIA

c.garijo@upm.es

Technological Offers type

Software

Research and innovation areas

- Agricultura, silvicultura, recursos naturales, usos de la tierra y crecimiento azul
- Clima, Energía y Movilidad
- Espacio y Observación de la Tierra

Where?

Hydroinformatics and Water Management

Software description

It is a database. The work contains the results of the expected changes to the frequency laws for maximum daily annual rainfall at national level, obtained using forecasts for rainfall in a situation of climate change supplied free by the CORDEX program. The results obtained are highly useful, in general, to get to know about how the extreme behaviour of rainfall due to the effect of climate change is expected to vary. In particular, it is applicable for estimating how flow volumes will change in the near future in national territory, which is a matter of great interest to the Ministry for Agriculture, Fisheries, Food and the Environment, mainly to include the consideration of the effect of climate change on flood volumes in the second cycle of the Floods Directive and, as a result, flood risk management plans.

Reference

M-001724/2018