

SORS: Climate prediction for climate services

Speaker: Francisco J. Doblas-Reyes

Title: Climate prediction for climate services

Abstract: New tools for the provision of climate information for climate services and adaptation are being created by climate modellers. One of these tools is climate prediction, which produces climate information for the near future that is validated against observations, not just in terms of the reproducibility of the mean climate over a long period, but also in its simultaneous correspondence with the best observations available.

These tools are now being developed as part of large international efforts that bring together climate scientists and users implementing a new paradigm known as climate services research.

Short bio: Prof. Francisco J. Doblas-Reyes is an expert in the development of seasonal-to-decadal climate prediction systems. I started working on climate variability at the Universidad Complutense de Madrid (Spain) in 1992, where I did my PhD. I then worked as a postdoc in Météo-France (Toulouse, France), at the Instituto Nacional de Técnica Aeroespacial (Torrejón, Spain) and for ten years at the European Centre for Medium-Range Weather Forecasts (Reading, UK). I am now the director of the Department of Earth Sciences of the Barcelona Supercomputing Center (BSC-CNS) and the head of the Climate Forecasting Unit at the Institut Català de Ciències del Clima (IC3), where I lead the largest FP7 project on climate prediction. I am author of more than 100 peer-reviewed papers, I am involved in the development of the EC-Earth ESM since its inception, an IPCC lead author (Fifth Assessment Report), and serve in WCRP and WWRP scientific panels.

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