



Reanalysis developments at ECMWF

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This presentation will provide an update on reanalysis activities at ECMWF, including the status of ERA5, a new reanalysis of the satellite era to replace ERA-Interim. We will also discuss reanalysis products of the FP7 ERA-CLIM2 project, which aims to develop the capability to produce century-long reanalyses of the coupled climate system. These include the recently completed CERA-20C reanalysis, a coupled assimilation system that ingests ocean and atmospheric observations in a coupled ocean-atmosphere model. We will also show some preliminary results of CERA-SAT, which is a 8-year pilot reanalysis starting in 2008 using a 10-member Ensemble of Data Assimilations (EDA) system coupling an atmosphere at 60 kilometre resolution on 137 vertical levels with an eddy-permitting quarter-degree ocean model. CERA-SAT, if successful, will form the basis for a future ERA6 reanalysis.