

Séminaire lundi le 30 janvier 2016 11:00 / Seminar Monday Jan 30th 2017 11:00h

Sujet/Subject: ECMWF research developments and future plans

Langue/language : Anglais/English

Conférencier/Lecturer: Roberto Buizza – Lead Scientist ECMWF

Résumé/Abstract:

In 2016, ECMWF has implemented two major new cycles. The first cycle, implemented in March 2016, included an increase in the atmosphere resolution from 18 km to 9 km for the high-resolution single forecast, and from 32 km to 18 km for the medium-range/monthly ensemble. The second cycle, implemented in November 2016, included an increase in the resolution of the ocean model used in the medium-range/monthly ensemble from 1 to 0.25 degrees and from 42 to 75 layers. This latter cycle also included an interactive sea-ice model. Both cycles included also changes in the model and the data assimilation systems. During my talk, I will review these latest changes, report on the performance on the ECMWF forecasts, present the ECMWF 2016-2025 strategy and illustrate forthcoming changes in our seasonal ensemble and in reanalysis.