

Séminaire ven 26 Nov 2010 11h / Seminar Fri Nov 26th 2010 11h

Conférencier/Lecturer: Laurie Wilson

Sujet/Subject: New avenues in forecast verification

Présentation/Presentation: Anglais / English

Lieu/Room: Salle des vents (Dorval)

iweb: <http://web-mrb.cmc.ec.gc.ca/mrb/rpn/SEM/>
web: <http://collaboration.cmc.ec.gc.ca/science/rpn/SEM/index.php>

Abstract

Motivated by a desire to verify forecasts in ways which provide more useful information for a variety of users, research and development in forecast verification methods has become more active in the last 10 years or so. For example, new scoring methods have been developed specifically for extreme or rare events, new methods have been devised for the diagnostic verification of high resolution models, and older "standard" verification methods have been extended and adapted for verification of ensemble forecasts.

Numerous techniques have been proposed and tested for the verification of forecasts defined in a spatial domain. In addition to improving the diagnosis of model problems, these methods aim to provide information to forecasters on the "synoptic" performance of models and/or to determine the performance for different spatial scales.

In this presentation, these newer methods will be surveyed, focusing on their known characteristics, with examples of their application. A discussion of some issues in the routine application of standard pointwise verification methods will also be included.