

Recent developments on satellite data assimilation at Météo-France

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Content of the poster

- The main features of the global model ARPEGE and of the regional model AROME (with their respective data assimilation systems)
- Information content of the various observation types : DFS for ARPEGE and AROME
- Forecast sensitivity to observations with ARPEGE (poster from N. Saint-Ramond) + Forecast scores for ARPEGE
- Summary of recent changes in satellite data usage from April 2010 to September 2011
- Ongoing developments (more extensively presented in other presentations and/or posters)
 - Increased number of IASI channels (V. Guidard)
 - Clear-sky SEVIRI radiances over continents (S. Guedj)
 - Clear-sky IASI radiances over continents (A. Vincensini)
 - Sounding channels over land from SSMI/S (F. Karbou)
 - Cloudy IASI radiances for cloud analyses (P. Martinet)