

# Overview of the radiance assimilation in the Meteo-France NWP models

## 7p.04

### Developments for the infrared sounders :

- Enhancement of the usage of hyperspectral sounders
  - Ozone channels (IASI)
  - Tropospheric channels(CrIS)
- 5 geostationary satellites are now assimilated.
- Use of surface emissivity atlas and retrieved surface temperature from one IASI window channel for the assimilation over land.

### On-going activities :

- All-sky infrared assimilation (I Farouk)
- Towards the strenghtening of the coupling between the chemistry transport model and the NWP one (O. Coopmann).

## 7p.05

### Developments for the microwave sounders :

- New instruments tested since 2015 : GMI, MWHS2, AMSR2, MTVZA-GY
- Monthly emissivity atlases
- Improved quality control of SAPHIR observations using RTTOV SCATT

### Other developments

- Tests with band correction RTTOV coefficients
- Increase thinning ratio
- Using South America DbNet RARS data for the short cutoff

