

Recent changes in the ECMWF NWP system



- **Resolution increase:** All components of the system
- **Data assimilation:** EDA changes, improved QC, weak constraint in the stratosphere, new ocean analysis, ...
- **Modelling:** Improved radiation scheme, updated ozone and aerosol climatology, convection improvements, ...
- **Observations:**
 - Situation dependant observation errors AMSUA
 - Slant path for clear sky sounders
 - Activation of SAPHIR and GMI
 - Observation error correlations IASI/CrIS
 - Updated list of CrIS channels
 - Activation MWHS-2
 - Activation F18/SSMIS sounding channels over ocean
 - Update aerosol detection for IASI/CrIS/IASI
 - Harmonised data usage over land and sea-ice for microwave sounders

Continuous reaction to changes in the observing system (see poster for the timeline)