

- **New HPC system available since April 2021**
 - In its 1st phase [increases the computer capacity about 8 times](#).
 - HARMONIE-AROME 2.5 km resolution [operational deterministic suite updated to cy43h2.1 with positive results](#).
- **SEVIRI data assimilation**
 - Slight positive impact.
 - Complex DA: selection of channels, varbc, etc. Entering in operations using WV6.2 and WV7.3 channels
- **Radar preprocessing**
 - Assimilating ODE(BALTRAD) or OIFS(OPERA) radar data in the operational run has shown similar results and OIFS could be used to secure operations
- **Objective verification of radiation**
 - Routine verification of Global and Direct SW and LW is performed. Complex verification due to the diverse quality of the radiation observations. Also, not easy to relate with other model variables.
- **Very High Resolution modelling**
 - Good results increasing the resolution for the [Canary Islands domain to 1.25 km](#) (quadratic grid) in an operational setup.
 - [Dynamic adaptation versions at 1 km and 500m](#): stable versions with clear improvement on 2m temperature and 10 m wind. So far the added value of 500m is not clear.