

## Met Office Observations and assimilation interface

## Current

- Stochastic physics (for ensemble generation) Andrea Storto (CNR) is working on this
- Make the NEMO obs interface more generic (David Ford) Motivated by biogeochemical data. Associated:
  - Assim interface for SI3 for sea-ice concentration and thickness, Observation operator for surface velocity data, Improvements related to SLA data and other fixes.

## **Future**

- Developments that may aid in ensemble and ensemble DA (I/O servers?/utilities?)
- Making more use of the observation operator and evidence from obs minus model differences (validation)
  - Offline obs operator used? Plotting utilities update ( the latest version of dataplot is in the NEMOVAR repo only )
- Interface to JEDI
  - I'm starting work on doing ocean DA with JEDI. This is 3DVar so an interface to NEMO is not needed
    yet. dealing with ODB observations/model feedback might be a useful. Also setting up grids.
- Adjoint / tangent linear (for 4DVar/Extended Kalman Filter ...).
- Minor things. Maintaining the utilities (I think obstools are currently broken). Updating the documentation.