

Observation and assimilation interface

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Maintenance of development of the obs/ assimilation interface

Current

- Stochastic physics (for ensemble generation) - Andrea Storto is working on this
- Dealing with new obs types. David Ford (Met Office) is currently making changes to OBS to make it more flexible/generic (for dealing with biogeochemical DA but is of wider benefit e.g. for velocity data.)

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.

