Embrace

WP2, meeting minutes, November 23 2011

Main points:

1. WP2 participants need to pay attention to the timelines so that the ocean model improvements done in this project (e.g. agrif regions, SO parameterisations etc) can be fed into WP4 and WP5. New model components need to be ready by month 30, even where the deliverables are only at month 48 (if possible).
2. Participants of WP2 are working from different model versions. This is necessary at this point so the groups can focus on their own improvements, but some attention needs to be paid to model versions so we can more easily merge different improvements later in the project.
3. A few overlap have been identified with projects outside EMBRACE. The work of others need to be considered so that the EMBRACE time can be used most effectively.
4. It would be useful to have a summary of the potential overlap of EMBRACE work with other projects using the CMIP5 database. We suggest that someone attending the Hawaii meeting circulates a summary of potential overlap to the EMBRACE mailing list.
5. On the model evaluation, Klaus will lead the tropical evaluation but will need input from IPSL. The North Atlantic has been left out of the evaluation WP, and thus evaluation of this aspect of the work will need to take place within WP2. Sea ice evaluation was also left out. Thierry offered to provide sea ice metrics for WP4, but cannot do a full evaluation within EMBRACE.

Minor points:

- Agrif with sea-ice has problems in coupled mode but works in forced mode.
- Klaus Wyer will contact Sebastian Masson and Gilles to coordinate the evaluation of the tropics in WP4.
- There are a few developments in NEMO planned at IPSL, such as the Fox-Camper parameterization and wave model. Sybren will contact Xavier Capet to avoid overlap in work.
- The developments in the North Atlantic will need to be coordinated with LIM. Current developments are with LIM2, but coupled models and Thierry's developments are with LM3. This topic needs to be revisited at the next meeting.
- Some coordination needs to be done with the North Atlantic developments and the Eurobasin project.
- The work on Southern Ocean mixing needs to explore what runs are already available to quantify the hear budget as a function of resolution.
- LIM3 work with the Elasto-Brittle formulation will be tested in a global 0.5 degree model. This will not be implemented in the coupled version in this project.

- Klaus will collect the sea-ice metrics for the evaluation of essential climate variables.
- The offline degrade package is working at IPSL but it has not been centralized nor ported online.