

Workshop on the DRAKKAR global ocean model at 1/4° resolution

IFREMER -Brest, September 25-27th, 2007

Agenda, september 24th

The first day of the workshop (tuesday afternoon and wednesday morning) is open and consists in a series of talks organized in four sessions. Most talks will be quite informal, about research in progress. Speakers should ensure that their talk is short enough, in order to leave ample time for questions and discussion in the time allotted (for example a 5 or 10mn talk with 5 mn discussion).

Tuesday, September 25th (Salon Océan, IFREMER)

11:30 am: Welcome, lunch at IFREMER cafeteria

Session 1: Global and tropical oceans

- 14:00-14:10 A.M. Treguier: Global experiments in the DRAKKAR group: a short history
14:10-14:25 J.M. Molines: The global ORCA025-G70 configuration
14:25-14:45 L. Brodeau, B. Barnier: Forcings for the global 1/4° DRAKKAR runs
14:45-15:00 Gilles Garric: The global 1/4° at Mercator Océan : operational system and plan for reanalyses.
15:00-15:15 Alix Lombard: Regional variability of sea level change using the global 1/4° Mercator and Drakkar runs.
15:15-15:30 Karina von Shuckmann, Fabienne Gaillard: variability of global temperature and salinity - ARGO and ORCA025
15:30-15:50 Thierry Penduff, Melanie Juza: Global skill of the DRAKKAR models measured by altimetry and ARGO floats.
----- *discussion and Coffee break*
16:25-16:40 Gabriella Athie: Tropical instability waves in the Atlantic in ORCA025-G70 and NATL4.
16:40-16:50 A. Melet: Regional zoom of ORCA025 on the Salomon Sea, with 4 open boundaries
16:50-17:00 Charles Deltel: 1/4° configuration for the Indian Ocean

Session 2 : South Atlantic and Southern Ocean

- 17:00 - 17:20 Arne Biastoch: Dynamics in the Agulhas system and variability of interoceanic exchange
17:20 - 17:40 Julien le Sommer: Dynamics of the eddy-driven Zapiola anticyclone in the DRAKKAR simulations
17:40-18:30 General discussion

7:30 pm: Dinner (“Latitude Crêpes”)

Wednesday, september 26th, Salon Océan (IFREMER)

8:45am: welcome

Session 3: North Atlantic

9:00 – 9:10 Arne Biastoch: Studies of the MOC with global DRAKKAR configurations

9:10 - 9:40 Markus Scheinert: Freshwater balance in the Arctic and the Subpolar gyre,

9:40 - 9:55 Virgine Thierry: Mode waters in the north-east Atlantic,

9:55 -10:10 Camille Lique: variability of exports from the Arctic

10:10 – 10:25 Sylvain Michel: variability of ORCA025-G70 in the Bay of Biscay

10:25 - 10:35 Thierry Huck: plans to use ORCA05 for the study of the north Atlantic variability

10:35-11: 00 discussion and coffee break

Session 4 : Assimilation, Forecast, AGRIF...

11:00 - 11:15 Gregory Smith: Reconstructing MOC variability using a physically-based data assimilation method

11:15 - 11:30 Yann Drillet: Ocean ensemble forecasts for the North Atlantic.

11:30 - 11:45 Florian Lemarie: Implementation and use of AGRIF in NEMO

11:45 - 12:00 Steve Alderson: using AGRIF in NEMO

12:00 - 13:00 Future plans, open discussion

DRAKKAR team meeting

Wednesday, september 26th, afternoon: Salon Océan (IFREMER)
and thursday 27th morning (LPO meeting room).

September 26th, 2:6pm

- review of existing ORCA025 experiments, including short sensitivity experiments
- Discussion of publication plans for the ORCA025 experiments
- Exchange of information about other model configurations: preliminary results of NATL12, others?
- Discussion of joint projects and funding opportunities

September 27th, 9:13pm

- Sharing and exchanging model results, post processing tools: technical and practical issues
- Strategy for the next ORCA025 experiments: details of forcings and parameterizations
- Other DRAKKAR developments, perspectives for the next Grenoble meeting.

List of participants for the seminars (open)

Alderson Steve (NOC, Southampton)
Athie Gabriella (IRD Brest)
Marin Frederic (IRD Brest)
Barnier Bernard (LEGI Grenoble)
Blanke Bruno (LPO Brest)
Biastoch Arne (IFM-Geomar, Kiel)
Boning Claus (IFM-Geomar, Kiel)
Brodeau Laurent (LEGI Grenoble)
Cabanes Cecile (LPO Brest)
Deltel Charles (Locean Paris)
de Cuevas Beverly (NOC, Southampton)
Drillet Yann (Mercator-ocean)
Ferry Nicolas (Mercator-ocean)
Gaillard Fabienne (LPO Brest)
Garric Gilles (Mercator-ocean)
Grima Nicolas (LPO Brest)
Gourcuff Claire (LPO Brest)
Guiavarc'h Catherine (LPO Brest)
Huck Thierry (LPO Brest)
Leboyer Arnaut (LPO Brest)
Lemarié Florian (IMAG, Grenoble)
Le Sommer Julien (LEGI Grenoble)
Lherminier Pascale (LPO Brest)
Lique Camille (LPO Brest)
Lombard Alix (LEGOS Toulouse)
Madec Gurvan (Locean Paris)
Melet Angelique (LEGI Grenoble)
Messenger Christophe (LPO Brest)
Mercier Herle (LPO Brest)
Michel Sylvain (Dyneco, IFREMER)
Molines Jean Marc (LEGI Grenoble)
New Adrian (NOC, Southampton)
Orr James (IAEA, Monaco)
Penduff Thierry (LEGI Grenoble)
Penven Pierrick (IRD Brest)
Scheinert Markus (IFM-Geomar, Kiel)

Smith Gregory (Reading, U.K.)
Speich Sabrina (LPO, Brest)
Theetten Sebastien (LPO Brest)
Thierry Virginie (LPO Brest)
Treguier Anne Marie (LPO Brest)
Von Shuckmann Karina (LPO Brest)

List of participants for the DRAKKAR team meeting

Alderson Steve
Barnier Bernard
Biastoch Arne
Boning Claus
Brodeau Laurent
de Cuevas Beverly
Drillet Yann
Drijfhout Sybren
Ferry Nicolas
Garric Gilles (Mercator-ocean)
Guiavarc'h Catherine
Le Sommer Julien
Lique Camille
Madec Gurvan
Messenger Christophe
Molines Jean Marc
New Adrian
Orr James
Penduff Thierry
Scheinert Markus
Smith Gregory
Theetten Sebastien
Thierry Virginie
Treguier Anne Marie