



<http://www.nemo-ocean.eu/>

2009 NEMO Users meeting

**2 – 3 July 2009
at ENSAM – Paris**

Chairperson of the 4 sessions :

2nd July 13:00 - 15:00 : Claude Talandier

2nd July 15:30 - 18:15 : Sébastien Masson

3rd July 08:45 - 10:15 : Andrew Yool

3rd July 10:45 - 12:15 : Chris Harris

Événements programmés JEUDI 02 juillet

- From 12:30 to 13:00** **Registration**
- From 13:00 to 13:15** **Welcome - C. Lévy**
- From 13:15 to 13:30** **The NEMO platform: news tools for users and developpers.**
C. Talandier - NEMO System Team
- From 13:30 to 13:45** **Developpments and results for regional and coastal modelisation at Mercator.**
Jérôme Chanut (Mercator Océan)
- From 13:45 to 14:00** **The new FOAM-NEMO system - a brief introduction and some initial validation.**
E. Blockley (Met Office)
- From 14:00 to 14:15** **NEMO developments at NOCS: Medusa, a size- based biogeochemistry model.**
A. Yool, K. Popova, T. Anderson and A. Coward (NOCS, UK)
- From 14:15 to 14:30** **NEMO developments and applications at the Bedford Institute of Oceanography**
F. Dupont, Y. Lu, Z. Wang, D. Wright (Canada).
- From 14:30 to 14:45** **Validation of NEMO3-LIM2 using atmospheric forcing from the Canadian model GEM: sensitivity tests at 1/4 degree resolution.**
Francois Roy (Canadian Meteorogical Centre), Youyu Lu , Jean-Marc Belanger, Greg Smith, Hal Ritchie
- From 14:45 to 15:00** **Regional modeling and data assimilation in the Labrador Sea.**
E. Demirov, JM Brankart, J. Zhu (Department of Physics and Physical Oceanography St. John's. Canada)
- From 15:00 to 15:30** **Coffee Break**
- From 15:30 to 15:45** **Coordinated ocean-ice reference experiments**
S. Griffies, A.M. Treguier, and 22 coauthors
- From 15:45 to 16:00** **In-situ and satellite biogeochemical data assimilation in PISCES.**
A. Kane , C. Moulin, S. Thiria, L. Bopp, F. Badran, M. Berrada , A. Tagliabue (IPSL - France)
- From 16:00 to 16:15** **Physical data assimilation and biology in the NEMO model.**
J. While (Ocean Forecasting R&D, Met-Office UK)
- From 16:15 to 16:30** **Dynamic memory and load balancing in NEMO.**
A. Porter and M. Ashworth (Computational Science and Engineering Dept. STFC Daresbury Laboratory, UK)
- From 16:30 to 16:45** **EC-EARTH: Development and Results .**
T. Koenigk (SHMI, Sweden)
- From 16:45 to 17:00** **Model salinity error characterization in a regional simulation.**
B. Mourre, J. Ballabrera, S. Kalaroni, A. Aretxabaleta (Institut de Ciències del Mar, CSIC Barcelona, Spain)
- From 17:00 to 17:15** **A new horizontal pressure gradient algorithm for terrain following coordinate ocean model.-**
H. Liu, J. Holt (Proudman Oceanographic Laboratory, UK)
- From 17:15 to 17:30** **The use of Mercator NEMO outputs for Oceanic drifts applications.**
Stéphane Law Chune (Mercator Océan)
- From 17:30 to 17:45** **NEMO platform development: Perspectives for the end of 2009 and for 2010.**
G. Madec - LOCEAN - NEMO Scientific Leader
- From 17:45 to 18:15** **Contribution to the straegy for collaborative developments .**
P. Fatus (J. Verne. Inc.)
- From 18:15 to 20:00** **Cocktail**

Événements programmés VENDREDI 03 juillet

- From 08:45 to 09:00** **Processes controlling the Warm Water Volume in equatorial Pacific: Implications for ENSO.**
Lengaigne , Haussman, Madec, Menkes, Jin
- From 09:00 to 09:15** **Investigating the exceptional winter 2005 deep convection event in the Western Mediterranean sea using NEMOMED8.**
M. Herrmann, J. Beuvier, F. Sevault , S. Somot (Météo- France)
- From 09:15 to 09:30** **Coupled biogeochemical model for Mediterranean Sea forecasting.**
A. Teruzzi (OGS Italy)
- From 09:30 to 09:45** **Modelling the Mediterranean Sea in the SiMED project.**
BERANGER K, BOURDALLE-BADIE R, DELTEL C, BEUVIER J, DRILLET Y, LEGALLOUDEC O, REFFRAY G, MOEZA, LI L, SOMOT S, LEBEAUPIN-BROSSIER C., LAW CHUNE S
- From 09:45 to 10:00** **Modelling the Mediterranean Sea interannual variability over the last 40 years : focus on the EMT.**
J. Beuvier (Météo-France/CNRM, ENSTA/UME), F. Sevault (Météo-France/ CNRM), M. Herrmann (Météo-France/CNRM), S. Somot (Météo- France/CNRM), K. Béranger (ENSTA/UME)
- From 10:00 to 10:15** **Online Coupling of NEMO with the Hadley Centre Ocean Carbon Cycle (HadOCC) model.**
Karen Edwards (Met-Office)
- From 10:15 to 10:45** **Coffee break**
- From 10:45 to 11:00** **Thermal impact of the coastal waves in the coastal African upwelling areas.**
Peter, A.C., and A. Lazar (LOCEAN)
- From 11:00 to 11:15** **Comparison of total kinetic energy from current meters and NEMO. R.**
Scott (NOCS - UK)
- From 11:15 to 11:30** **Representation of Oxygen Minimum Zones in NEMO-PISCES. Comparison with other model (UVic) and World Ocean Atlas data.**
O. Duteil, A. Oschlies (IFM-GEOMAR, Germany)
- From 11:30 to 11:45** **Impact of parameterized interleaving process on the Pacific equatorial undercurrent and amplitude of ENSO in a CGCM.**
W. Sasaki (JAMSTEC), J.-J. Luo (JAMSTEC), K. J. Richards (IPRC), S. Masson (LOCEAN), S. K. Behera (JAMSTEC), Y. Masumoto(JAMSTEC), and T. Yamagata (JAMSTEC)
- From 11:45 to 12:00** **The first global ocean reanalysis simulation at Mercator Océan GLORYS1: the Argo years 2002-2008.**
Y. Drillet (Mercator Océan)
- From 12:00 to 12:15** **Adjoint model of the GYRE configuration of NEMO by using the YAO software.**
M. Berrada, C. Talandier, M. Crépon, F. Badran, S. Thiria (LOCEAN)
- From 12:15 to 12:30** **The Mercator global ocean forecasting system for the MyOcean project.**
Yann Drillet (Mercator Océan)

membres

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