NEMO Users Meeting

Lecce (IT)
22-23 June 2016

Draft AGENDA
Status: 20 June 2016

Talks last 15 minutes + questions, except invited talks (25 minutes + questions) and talks in blue (10 minutes + questions)

Day 1 - 22 June 2016 (Wed)

9.15 – 10.00	Registration, poster set-up (Video conference set-up)
10.00 – 10.05	**D. Iovino** Welcome / practical informations

NEMO Developments (Chair: D. Iovino)

10.05 – 10.20	**Andrew Coward**: NEMO 3.6 and developments toward NEMO4
10.20 - 10.30	**C. Bricaud**: On line coarsening in 3_6_STABLE
10.30 – 10.40	**J. Paul**: SIREN Configuration Manager in 3_6_STABLE

NEMO Working Groups (Chair: A. Coward)

10.40 – 10.50	**S. Flavoni**: Robustness and Test Cases
10.50 – 11.00	**J. A. Bouttier**: NEMO Data Assimilation
11.00 – 11.10	**J. Chanut:** Agrif
11.10 – 11.20	**S. Ciliberti**: Configuration manager

Coffee break (20')

11.40 – 11.50	**E. Clementi**: wave coupling
11.50 – 12.00	**S. Mocavero:** NEMO Computational Performance Optimization: ongoing work within the NEMO HPC working group

High resolution ocean (chair: D. Iovino)

12.00 – 12.30	**Laure Zanna (invited speaker)**: Scale aware parametrization of ocean eddies
12.30 - 12.50	**T. Graham**: The impact of resolving the Rossby radius at mid-latitudes in the ocean: results from a high-resolution version of the Met Office GC2 coupled model
12.50 – 13.10	**J. Le Sommer:** Variability of submesoscale dynamics in the North Atlantic from a 1/60°, 300 levels ocean model simulation

Lunch and poster viewing (1h)

14.10 – 14.30	**Y. Ourmieres**: High resolution modelling in the North Western Mediterranean Sea: a few insights and challenges on coastal currents simulations.
14.30 – 14.50	**I. Federico**: Coastal ocean forecasting with an unstructured-grid model in the Southern Adriatic Northern Ionian Sea

Sea ice (chair: A. Barthélémy)	
14.50 – 15.10	**M. Vancoppenolle**: Presentation of the session (5')
	F. Massonnet: Which sea ice model does the climate community needs?
15.10 – 15.25	**C. Rousset**: On the sea ice road to CMIP6 with IPSL-CM
15.25 – 15.40	**A. Keen**: Sea ice modelling for CMIP6 within NEMO in the Met Office/UK HadGEM3/UKESM coupled model configurations
15.40 – 15.55	**T. Koenigk:** EC-Earth: CMIP6 and representation of sea ice
15.55 – 16.10	**D. Salas**: Sea ice modelling at CNRM for CMIP6

Coffee break (20')	
16.30 – 16.50	**A. Barthélémy:** The sea ice model LIM: a new subgrid-scale coupling scheme with NEMO and other recent developments
16.50 – 17.10	**Y. Aksenov:** Sea ice-ocean modelling at NOC
17.10 – 17.30	**David Schroeder:** TBC
17.30- 18.00	**QUESTIONS to the NEMO System Team**

From 19.30: dinner at Osteria Divina Provvidenza

Day 2 - 23 June 2016

Physical processes (chair: T. Graham)	
9.30 – 10.00	**Mehmet Ilicak (invited speaker):** Recent developments to improve "infamous" North Atlantic cold bias
10.00 – 10.20	**M. Luneva**: An assessment of vertical mixing schemes in comparison with observations in the European shelf.
10.20 – 10.40	**F. Wobus**: Implementation of a regional model using a hybrid s-on-top-f-z vertical coordinate system in NEMOv3.6
10.40 – 11.00	**A. Aguiar**: Assessment of GO6 vs GO5 (climate and analysis mode)

Coffee break (20')	
11.20 – 11.40	**R. Hordoir**: Changes of the Overturning Circulation of the Baltic Sea Towards the End of the 21st Century

11.40 – 12.00	**M. Marnela:** Comparison of NEMO surface freshwater adjustments and climatologies
12.00 – 12.20	**G. Verri**: Estuarine dynamics for ocean modelling: the case study of the Ofanto estuary
12.20 – 12.40	**C. Chapman:** Idealised modelling of the Southern Ocean

Biogeochemistry (chair: E. Clementi)

| 12.40 – 13.00 | **M. Vichi:** BFM-NEMO 1D: a workbench for biogeochemical parameterizations |

Lunch and poster viewing (1h)

14.00 – 14.20	**O. Aumont**: The evolution of PISCES in the NEMO system: toward more physiology
14.20 – 14.40	**L. Bopp**: Simulating the global distribution of C13 and N15 in the marine ecosystems
14.40 – 15.00	**A. Yool:** UKESM1 marine biogeochemistry spin-up
15.00 – 15.20	**J. Palmieri:** UKESM1 and MEDUSA

Coffee break (20')

Data assimilation and Operational applications (chair: S. Mocavero)

15.40 – 16.00	**M. Chevalier:** Intercomparison of Arctic sea ice in global reanalyses
16.00 – 16.20	**A. Cipollone**: Towards a fully operational eddying Global Forecasting System
16.20 – 16.40	**S. Ciliberti**: A NEMO-based regional circulation modelling configuration for the Black Sea
16.40 – 17.00	**R. Lecci:** Sea Condition: present and future sea conditions for safer navigation
17.00 – 17.20	**E. Jansen**: Ocean-SAR: An operational search-and-rescue service for the Mediterranean Sea

POSTERS:
1. **J. Brauch:** Coupling of COSMO/CLM and NEMO in two regions
2. **D. Iovino:** A 1/16° eddying simulation of the global sea ice-ocean system
3. **L. Tedesco:** Sea ice biogeochemistry with BFM and NEMO: HOWTO and applications
4. **E. Clementi:** The Mediterranean Forecasting System in the Copernicus Marine Service: latest improvements and skill assessment
5. **A. Gierisch**: Simulating ice thickness distributions and nesting with SIREN
6. **A. Declerck:** TBC