

# SANGOMA: Stochastic Assimilation for the Next Generation Ocean Model Applications SPA.2011.1.5-03 call, project 283580

April 1-2, 2014, Liège

# 1 Agenda and Logistics

# Participants TBC

- Alexander Barth, Jean-Marie Beckers, Yajing Yan, Martin Canter (ULg)
- Nils van Velzen, Umer Altaf (TUD-DELTARES)
- Peter Jan Van Leeuwen, Sanita Vetra-Carvalho (UREAD)
- Lars Nerger, Paul Kirchgessner (AWI)
- Laurent Bertino (NERSC)
- Pierre Brasseur, Guillem Candille, Jean-Michel Brankart, Sammy Metref (CNRS-LEGI)
- Pierre De Mey (CNRS-LEGOS)

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- Charles-Emmanuel Testut (MyOcean)
- Lars Isaksen (ECMWF)

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- Paola Chiarini (EU officer) TBC

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- Charlotte Peelen (Secretariat)

# Agenda: day 1 (Tuesday 1/4) : contractual matters, technical progress review, steering committee meeting

- 9:30- 10:00 : Welcome and logistics  
Review of WP tasks: deliverables, milestones and progress and problems of year 1
- 10:00-10:45 : WP1 Harmonization (N. Van Velzen, M. Verlaan)  
Coffee break
- 11:00-11:45 : WP2 Shared development (L. Nerger)
- 11:45-12:30 : WP3 Innovative DA techniques (S. Vetra-Carvalho)  
Lunch break
- 14:00-14:45 : WP4 Benchmarks (P. Brasseur & J.-M. Brankart)
- 14:45-15:30 : WP5 Data Assessment (L. Bertino)
- 15:30-16:15 : WP6 Knowledge transfer and WP7 Management(J.M. Beckers)  
Coffee break
- 16:30-17:30 : Summary and next year planning and review meeting planning
- 17:30-18:00 : OOPS (Object Oriented Programming System) and scalability activities at ECMWF (L. Isaksen)

# Agenda: day 2 (Wednesday 2/4) : Scientific session and feedback

- 9:30-10:00 : Results on the medium case benchmark using an extension of NEMO with PDAF (P. Kirchgessner)
- 10:00-10:30 : First results of the large case benchmark (Y. Yan)
- 10:30-10:45 : Stochastic array design with the sangoma\_arm tool (P. De Mey)
- 10:45-11:00 : *additional slot for P. De Mey C.-E. Testut*  
Coffee break
- 11:30-12:00 : Ensemble assimilation of JASON and ENVISAT altimetric observations with stochastic parameterization of model dynamical uncertainties (J.-M. Brankart)
- 12:00-12:30 : Developments in non-Gaussian ensemble DA. (P. Brasseur)  
Lunch break
- 13:30-14:00 : Current work on using non-linear observation operator in EWPF (S. Vetra-Carvalho)
- 14:00-14:30 : EMPIRE (MPI bases software that allows to incorporate any dynamical model into DA) (P. J. Vanleeuwen)
- 14:30-15:00 : OpenDA-NEMO framework for Ocean analysis and predictions (U. Atlaf)  
Coffee Break
- 15:30-16:00 : Local ensemble assimilation scheme with global constraints and conservation (A. Barth)
- 16:00-17:30 : Feedback and open discussion

# Logistics

- Bus: some tickets are available if you plan to move in groups
- Wifi: use ULg-Open with `userid/password` provided or Eduroam
- Wrap-up, copy of presentations: leave copy on JMB's computer
- To print files send email to `oceanphys@ulg.ac.be`
- Questions ?

Meeting place: Aqualpole building B53, just in front of last year's meeting place. Take bus 48 stop (CROIX DE FER) as for last year.

<http://www.aquapole.ulg.ac.be/index.php?pg=9&lg=EN>

# Organisation

- Day 1 is also considered meeting of the steering committee (unless a parter asks for a restricted meeting)
- Schedules only indicative (WP1-WP2-WP3-WP4 probably longer discussions than WP5-WP6-WP7)