

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

November 26-28, 2012, Liège

1 Agenda and Logistics

Participants

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

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- Eric Dombrowsky (MyOcean)
- Lars Isaksen (ECMWF)

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- Pierre Lermusiaux (MIT)
- Charles-Emmanuel Testut (Mercator)

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- Paola Chiarini (EU officer) TBC

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- Charlotte Peelen (Secretariat)

Agenda: day 1 (Monday 26/11) : contractual matters, technical progress review, steering committee meeting

- 13:00- 13:30 : Welcome and logistics
Review of WP tasks: deliverables, milestones and progress and problems of year 1
- 13:30-14:00 : WP1 Harmonization (N. Van Velzen, M. Verlaan):
- 14:00-14:30 : WP2 Shared development (L. Nergler)
- 14:30-15:00 : WP3 Innovative DA techniques (S. Vetra-Carvalho)
Coffee break
- 15:30-16:00 : WP4 Benchmarks (P. Brasseur & J.-M. Brankart)
- 16:00-16:30 : WP5 Data Assessment (F. Counillon)
- 16:30-17:00 : WP6 Knowledge transfer (J.M. Beckers)
- 17:00-17:30 : WP7 Management (J.M. Beckers)
- 17:30-18:30 : Summary and next year planning

Agenda: day 2 (Tuesday 27/11) : Scientific session

- 9:30-10:00 : Yajing Yan et al: *First results on testing benchmarks*
- 10:00-10:30 : Guillem Candille et al: *a benchmark-based assessment strategy for the design of future assimilation suites*
- 10:30-11:00 : Sammy Metref, Emmanuel Cosme et al: *A deterministic, fully non Gaussian analysis scheme for ensemble filters: the Multivariate Rank Histogram Filter*
Coffee break
- 11:30-12:00 : Lars Nerger: *Aspects of smoothing in ensemble Kalman filters*
- 12:00-12:30 : Paul Kirchgeßner: *Aspects of localization in ensemble Kalman filters*
Lunch break
- 13:30-14:00 : Melanie Ades, Peter Jan van Leeuwen *A fully nonlinear filter for high-dimensional systems*
- 14:00-14:30 : Peter Jan Van Leeuwen : *nonlinear influence of observations*
- 14:30-15:00 : François Counillon *Parameter estimation with EnKF in a QG model and subsequent application in TOPAZ*
Coffee break
- 15:30-16:00 : Alexander Barth, Mohamed Ouberdous, François Laenen, Yajing Yan, Jean-Marie Beckers *Ensemble Data Assimilation in a global coupled sea ice model*
- 16:00-16:30 : François Laenen :
- 16:30-17:15 : Pierre Lermusiaux: *Bayesian Data Assimilation and Learning of Stochastic Dynamical Models: State, Parameters, also Model Structures*
- 17:15-18:00 : Charles-Emmanuel Testut *Data Assimilation developments at Mercator*
Transfer to JM's house and dinner

Agenda: day 3 (Wednesday 28/11) : Scientific session and feedback

9:45-10:30 : Recommendations from L. Isaksen, E. Dombrowsky, P. Lermusiaux and C.E. Testut

Coffee break

11:00-12:00 : Preparation of review meeting

Logistics

- Bus: some tickets are available if you plan to move in groups
- Wifi: use ULg-Open with userid/password provided or Eduroam
- Lunch tomorrow: sandwiches (special needs as vegetarian food?)
- Dinner on Tuesday evening: At Jean-Marie's home: Please confirm attendance
- Wrap-up, copy of presentations: leave copy on JMB's computer
- Printer available; for larger 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 and Day 3 also is 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)
- Move Charles-Emmanuel's presentation to tuesday ?



Who ? When ? Where ?