

ADVANCED DATA ASSIMILATION METHODS FOR THE SEA

SECOND ANNUAL MEETING

Tuesday 27th Meeting at 10:30 in the *Pink Room* (**WiFi available**)

Demonstrations and presentations

1. **S. Zhuk**, *Minimax observability and optimality conditions for incorrect linear equations in Hilbert space.*
2. **D. Garaud**, V. Mallet. *Ensemble calibration for uncertainty estimation.*
3. **K. Drifi**, V. Mallet. *Sequential classification of ozone peaks with ensemble methods.*
4. **C. Mouton**, V. Mallet. *Verdandi: Data Assimilation Library.*
5. **E. Plotnikov**, G. Korotaev. *Image Data Base v1.*

Wednesday 28th Meeting at 10:30 in the *Pink Room*

- Morning: working in subgroups
- After lunch: visit in Paris.

Thursday 29th Meeting at 10:30 in the *Pink Room*

1. **G. Korotaev**, I. Herlin, E. Huot, F.-X. Le Dimet, E. Plotnikov, *Image processing algorithm based on variational data assimilation: current state and future prospects.*
2. **E. Plotnikov**, G. Korotaev. *Data base of AVHRR cloud free image sequences and evaluated current velocity fields.*
3. **E. Huot**, I. Herlin, G. Korotaev: *Motion estimation using the variational data assimilation framework. Comparison between Simple and Extended Image Model.*
4. **I. Souopgui**, O. Titaud, A. Vidard, F.-X. Le Dimet. *Images observation in data assimilation*
5. **O. Titaud** *On the assimilation of High Resolution tracer images in mesoscale ocean models via Lagrangian Coherent Structures maps.*
6. A. Kordzadze, **D. Demetrashvili**. *Some results of simulation of the Black Sea circulation processes.*

Thursday evening: dinner at Brasserie Le Stella

133, Avenue Victor-Hugo – Paris 16th

Friday 30th Meeting at 10:30 in the *Pink Room*

1. **V. Agoshkov**, *Study and solution of the variational data assimilation problems for the nonlinear sea hydrothermodynamics model.*
2. V. Agoshkov, **E. Parmuzin**, S. Lebedev. *Numerical solution of the variational assimilation problem using on-line SST data in the World Ocean.*
3. V. Agoshkov, **E. Botvinovsky**, M. Assovsky. *Variational data assimilation problem for the study of the adequacy of a tidal dynamics model.*
4. F.-X. Le Dimet, **V. Shutyaev**, I. Gejadze. *A posteriori error covariances in variational data assimilation.*
5. **F.-X. Le Dimet**, *Control of Error in Variational Data Assimilation.*