



EOS-COST School on Data Assimilation and Data Analysis Methods (EOS-COST DAAM)

The EU COST Action “Evaluation of Ocean Syntheses” (EOS) is organizing a training school on data assimilation and data analysis techniques from 4 to 15 April 2016 in Lecce (Italy).

In the fields of oceanography, meteorology and climatology, the data analysis and data assimilation techniques combine in an optimal way different data sets, possibly using dynamical constraints defined by numerical models. These techniques are central to operational atmospheric and oceanographic analysis systems and climatological data analysis. The EOS-COST DAAM School will provide training in fundamental methodology, standard techniques and several state of the art applications. Theoretical lectures will be followed by practical exercises. The school will cover Bayesian, variational and ensemble techniques, and will present applications with operational systems and climatological data analysis.

Topics

- Fundamentals of combining physical data in an optimal way
- Bayesian and Ensemble methods
- Variational methods
- Hybrid methods (ensemble + variational)
- Reduced order methods
- Optimal interpolation
- Data-Interpolating Variational Analysis (DIVA)
- Application of DIVA

Organizers

Tomislava Vukicevic (CMCC, Italy) and Aida Alvera Azcarate (U of Liege, Belgium)

Lecturers

Alexander Barth (U of Liege, Belgium)

Jean-Marie Beckers (U. of Liege, Belgium)

Amos Lawless (U of Reading, UK)

Andrew Lorenc (Met Office, UK)

Andrea Storto (CMCC, Italy)

Peter Jan van Leeuwen (U of Reading, UK)

Tomislava Vukicevic (CMCC, Italy)

Sylvain Watelet (U. of Liege, Belgium)

Teaching format

The school will consist of frontal lectures given in the morning, and laboratory sessions in the afternoon. Each topic will be covered during one day of lectures and laboratory sessions. The working language will be English.

Organization secretariat

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Participation

Only candidates from countries that are already in the Action, are allowed to apply.

Please refer to the list here: http://www.cost.eu/COST_Actions/essem/ES1402?parties

Persons interested in attending the school must submit application via e-mail to daam@cmcc.it including a letter of interest, CV and a recommendation letter. It is required that the participants have an adequate knowledge of English. Different grants, depending on the country of origination of travel and up to the maximum of amount of 1500€, will be afforded to successful candidates for travel, accommodation and meal expenses.

The number of participants is limited to 20.

The deadline for requesting participation is February 17 2016.

Tourist information

Information about accommodation, restaurants, events, places, activities etc in Lecce is available at the official tourism website ilecce.it and viaggiareinpuglia.it

When and Where

April 4 – 15, 2016

Lecce - Venue and Logistics tbc

Attachments

Program tbc