



Workshop on Strengthening the Use of EO in Earth System Modelling

12th-13th September, 2007
ESA/ESRIN, Frascati, Italy

How can EO data play a more prominent role in Earth system modelling for scientific and operational applications ?

What are the priority applications for future efforts ?

How should the Development and Exploitation activities in EOEP-3 best be targeted ?

What future role should ESA and other European institutions play ?

Background

ESA is analysing the Earth System Modelling community's needs with the objective of strengthening the use of EO in global modelling, for both scientific and operational applications. The analysis is investigating the current state of the art, identifying priority areas, and will propose where work needs to be done to increase the uptake of EO data in both research and future operations.

Objectives

The GlobModel workshop provides the opportunity for the EO and modelling communities to contribute to this analysis to help formulate the conclusions and recommendations to ESA. In particular the workshop will help to inform ESA on:

- Current state of the art, issues and challenges in EO data – model fusion
- How ESA can help the Earth System Modelling community to fully exploit its EO missions.
- How best to achieve the transition from research to operations
- What the priorities are for Development and Exploitation in the third phase of ESA's Earth Observation Envelope Programme
- Longer term plans for future European EO programmes

Attendance

Attendance is open to all. There will be no fee for attendance, but prior registration is essential. There will be a limited number of slots in the agenda for participants to make short presentations on current and planned work. You can register on the [GlobModel online registration page](#).

A Hotel and transport form can be found at the end of this announcement.

GlobModel Workshop: Draft Agenda

Weds 12 th AM	Registration
14:00	Introduction to the project and the workshop. ESA, GlobModel team
14:30	Keynote Presentations ESA science strategy and future programmes. <i>Dr Stephen Briggs, Head of Earth Observation Science and Applications Department, ESA</i> Achievements, challenges and future vision for EO in Earth system science: -Reanalysis and climate monitoring. <i>Prof Lennart Bengtsson</i> -Operational Meteorology. <i>Dr Francois Bouttier, Météo-France</i> -Oceanography. <i>Prof Johnny Johannessen, NERSC</i> -Atmospheric Composition. <i>Prof Hennie Helder, KNMI</i> -Land surface: <i>Prof Shaun Quegan, University of Sheffield</i>
17:15	Panel discussion with keynote speakers. <i>Chair, Prof Alan O'Neill, National Centre for Earth Observation</i>
18:00	Reception hosted by ESA
Thurs 13 th	Plenary Session
09:30	Presentation of the preliminary analysis, initial findings & objectives for the day, <i>Dr Zofia Stott, Assimila Ltd</i>
10:00	European EO data and model fusion: Perspectives for the future, <i>Prof Alan O'Neill</i> Practical considerations in the transition from science to operations, <i>Dr Adrian Simmons, ECMWF</i>
10:30	Splinter Sessions to address... <ul style="list-style-type: none"> • Current state of the art, issues and challenges in EO data – model fusion • Supporting the Earth system modelling community to fully exploit EO data. • How best to achieve the transition from research to operations • Short term priorities for Development and Exploitation in the third phase of ESA's Earth Observation Envelope Programme • Longer term plans for future European programmes Session Chairs: <i>Dr Roger Saunders, UK Met. Office, Prof Johnny Johannessen, NERSC, Prof. Shaun Quegan, Univ. Sheffield</i>
13:30	Lunch
14:30	Finalisation of splinter sessions (to agree their conclusions)
15:00	Plenary: Report back from splinter sessions
16:00	Panel Discussion with splinter session chairs. <i>Chair Dr Jon Styles, Assimila Ltd</i>
Close 17:00	Wrap-up
<i>Fri 14th</i> <i>09:00</i> <i>12:30</i>	<i>Internal GlobModel team meeting, with GlobModel Expert Panel</i>

TAXI FROM AIRPORT **

I request a taxi to pick me up at Rome Fiumicino (Leonardo Da Vinci) Airport upon arrival at a cost of € 72 (special ESRIN rate) from flight number coming from at hours. I will pay the driver directly.

I request a taxi to pick me up at Ciampino Airport upon arrival at a cost of € 41 (special ESRIN rate) from flight number coming from at hours. I will pay the driver directly.

DIRECTIONS FROM AIRPORT

I require road directions from Rome FCO Airport to Frascati : YES NO

I require road directions from Rome Ciampino Airport to Frascati : YES NO

**Hotel Reservation Forms should be returned BY FAX
to the ESRIN TRAVEL OFFICE by 23/07/2007 :
Fax No. + 0039 06 9418 0242**