

2. HALO - Workshop

12.-13. December 2005, ECMWF, Reading



Background

HALO is a GMES specific support action (SSA), which provides **H**armonized coordination of **A**tmosphere, **L**and and **O**cean integrated projects of the GMES backbone. The objective of HALO is to enable an efficient and coherent data exchange between the Integrated Projects GEMS, geoland and MERSEA. HALO will work out agreed recommendations for the data architecture of GMES in its operational phase starting in 2008.

GMES is a joint initiative of the European Commission and the European Space Agency, designed to establish a European capacity for the provision and use of operational information for **G**lobal **M**onitoring of **E**nvironment and **S**ecurity.

Workshop Objectives

The first aim of the workshop is to review and finalise the document prepared by HALO in the past year specifying in detail the exchanges of data and information-products between the interacting parts of the GEMS, MERSEA, and GEOLAND Integrated Projects (IPs), and the Candidate Solutions for these exchanges. The document to be finalised in the workshop will be circulated two weeks before the workshop and will be the basis on which the HALO partners in the coming year will prepare Recommendations and an Implementation Plan for the transition to operations of the three Integrated Projects.

The second aim of the workshop is to identify the scope and content of a review (to be prepared by the HALO partners in 2006) of the likely scientific and technical upgrade paths of the interacting parts of the three IPs in the first few years after the transitions to operational status. Possible areas for consideration include:

- coordinated exploitation of new satellite missions for near-real-time monitoring of land cover, soil moisture, ocean salinity, and atmospheric transport
- interface modelling issues such as the dynamics of air-sea gas-exchanges, humidity and carbon dioxide fluxes over land, soil moisture changes, biomass burning, deposition of significant atmospheric constituents such as ozone and other pollutants on land vegetation and on the ocean.
- likely trends in the scope of the initial GMES services for users.

Tentative Agenda

Monday, 12. December 2005

13:30 Welcome

Session chair: TBD

13:35	GEMS Overview of Interacting Parts and Future Plans	Tony Hollingsworth	ECMWF
14:00	MERSEA Overview of Interacting Parts and Future Plans	Yves Desaubies	IFREMER
14:25	Geoland Overview of Interacting Parts and Future Plans	Marc Leroy	MEDIAS-France
14:50	Highlight: Wildfires in GEMS	Johannes Kaiser	ECMWF

15:15 Coffee Break

Session chair: TBD

15:30	HALO Guideline Overview	Johannes Kaiser	ECMWF
16:00	Candidate Solution Proposal	Fabrice Levy,	Astrium,
-		Jean-Marc Pechinot	Alcatel
17:30			

19:30 Dinner

Tuesday, 13. December 2005

Session chair: TBD

09:00	GMES Developments Overview	Peter Breger	EC
09:20	ESA GSE Developments Overview	Claus Zehner	ESA-ESRIN
09:40	EUMETCast Overview	Mike Williams	EUMETSAT

10:00 Coffee Break

10:15 Discussion of Candidate Solution Proposal

12:30 Lunch Break

Session chair: TBD

13:15 Discussion of Scientific Plans and Future Organisational Arrangements

15:45 AOB

16:00 Close and Coffee

Invited Workshop Participants

People from the following organisation / groups are potential workshop participants

- Participants in GMES IPs and GSEs
- Industrial partners from Alcatel and Astrium
- European Commission
- GMES advisory council
- European Space Agency (PB-EO)
- European Environmental Agency
- Participants in FP6 Projects (Global Change and Ecosystems)
- Meteorological Services

Tentative List of Participants

#	Name	Organisation	Project
1	Etienne Bartholome	JRC	GEOLAND
2	Abderrahim Bentamy	Ifremer	MERSEA
3	Peter Breger	European Commission	GMES
4	Jean-Christophe Calvet	Meteo-France	GEOLAND
5	Yves Desaubies	Ifremer	MERSEA
6	Kees van Diepen	Alterra	GEOLAND
7	Nicolas Dittert	RCOM, U Bremen	CARBOOCEAN
8	Tony Hollingsworth	ECMWF (Research)	HALO, GEMS
9	Johannes Kaiser	ECMWF (Research)	HALO
10	Marc Leroy	Medias-France	GEOLAND
11	Fabrice Levy	Astrium	HALO
12	Jean-Marc Pechinot	Alcatel	HALO
13	Adrian Simmons ¹	ECMWF (Research)	GEMS
14	Martin Suttie	ECMWF (Operations)	GEMS
15	Christiane Textor	CNRS	GEMS
16	Marek Tinz	Infoterra	GEOLAND
17	Mike Williams	EUMETSAT	EUMETCast
18	Celestino Gomez	GMV S.A.	GLOBCARBON
19	Claus Zehner	ESA	ESA GSE

¹ Monday 13:30 to Tuesday 09:30

Organisational Information

Travel and Accomodation

Directions are given at <<http://www.ecmwf.int/about/location>>. The page also contains link a link to a list of available accommodation in the area. We recommend the George Hotel (mention ECMWF discount), Comfort Inn, and Abadair House.

Restaurant (Monday night)

We have reserved tables at a well-known Nepalese Restaurant, the Standard Tandoori for dinner on Monday night, 19:30 hrs, see <http://www.readingrestaurants.com/standard_tandoori_restaurant> or <<http://www.citikey.com/business/10053156/category/20003/city/Reading/current/7/total/22>>.

No Reimbursements

Unfortunately, we cannot generally subsidise participant's travel, accommodation, and restaurant costs. If this poses a problem, please contact us immediately.

Any Questions

Ask Johannes Kaiser:

j.kaiser@ecmwf.int

+44 118 949 9475 (office)

+44 77 66 250 395 (mobile)