

# ***Space supporting UNFCCC – global products for a better understanding of our climate***

**ESA side event at UNFCCC COP 13 and CMP 3 in Bali  
6<sup>th</sup> December 2007 at the Grand Hyatt Bali**

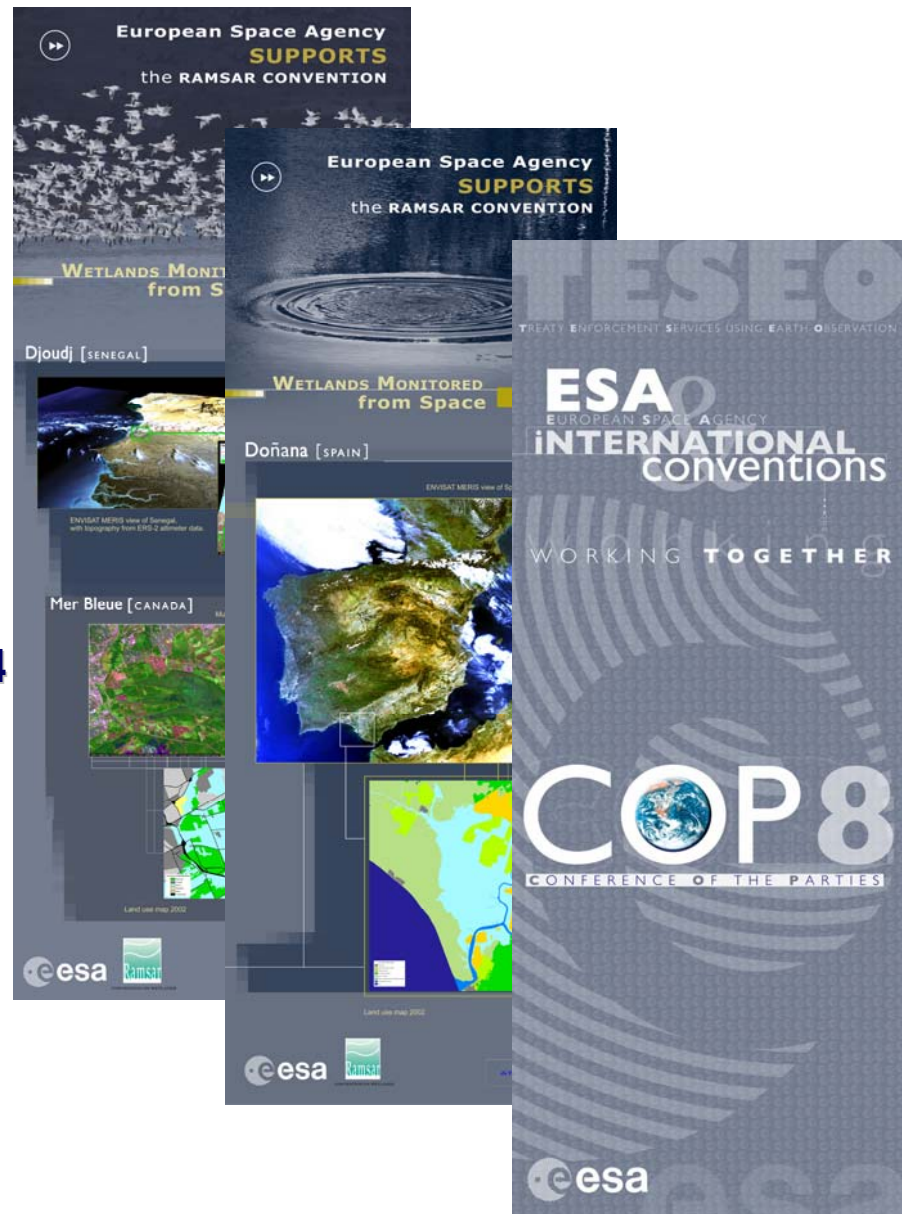
**Olivier Arino & Frank Martin Seifert**

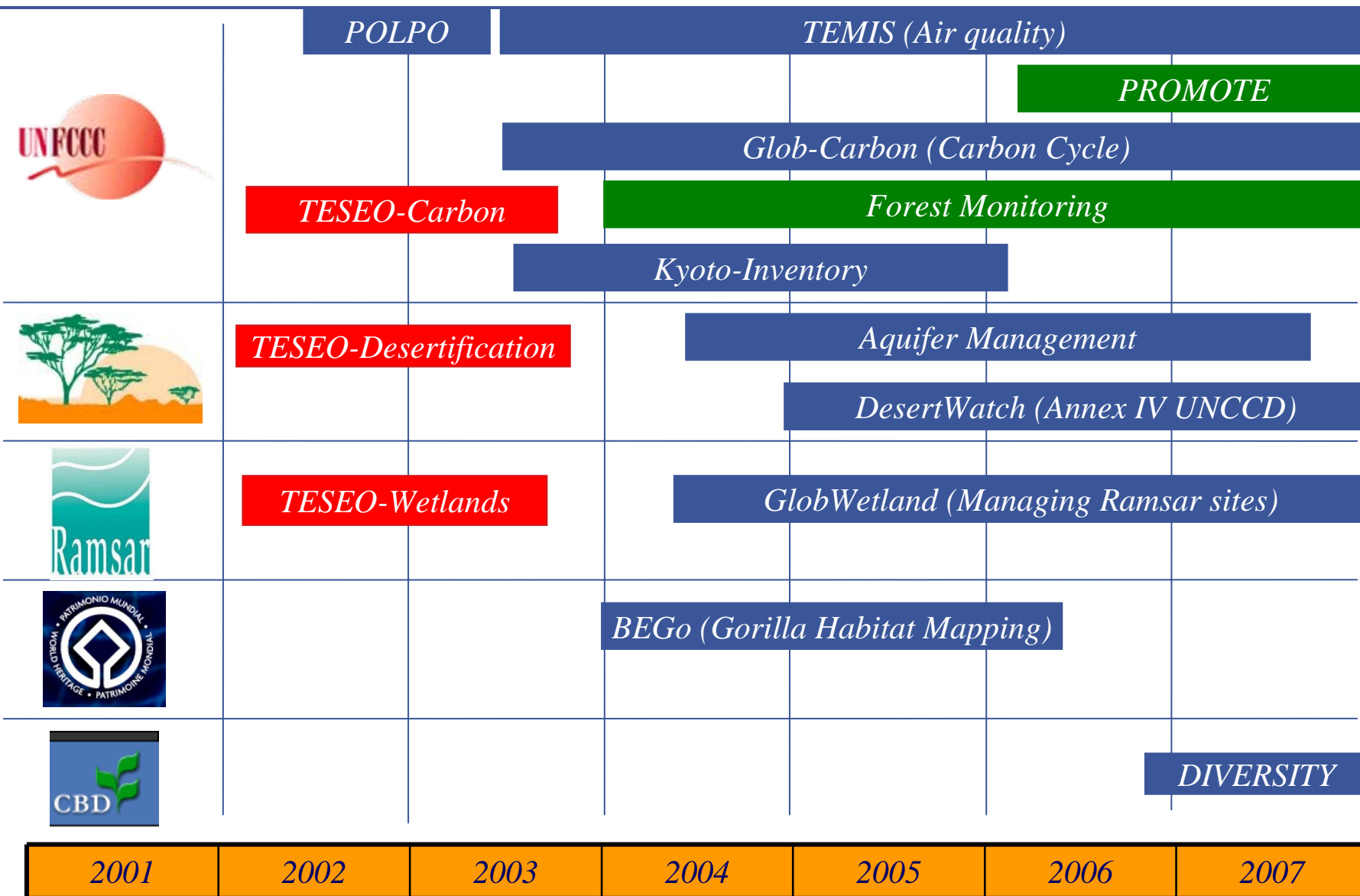
# ESA and the International Environmental Conventions

- **UNFCCC**, UN Framework Convention on Climate Change
- **UNCCD**, UN Convention to Combat Desertification
- **UNCBD**, UN Convention on Biodiversity
- **RAMSAR**, Intergovernmental Convention on Wetlands
- **WHC**, World Heritage Convention

ESA attends the Conferences of the Parties (COPs) with exhibits and side events

- World Summit, Johannesburg, 2002
- COP 8, UNFCCC, New Delhi, 2002
- COP 8, RAMSAR, Valencia, 2002
- COP 9, UNFCCC, Milan, 2003
- COP 6, UNCCD, La Havana, 2003
- COP 10, UNFCCC, Buenos Aires, 2004
- COP 7, UNCCD, Nairobi, 2005
- COP 9, RAMSAR, Kampala, 2005
- COP 11, UNFCCC, Montreal, 2005
- COP 12, UNFCCC, Nairobi, 2006
- COP 7, UNCCD, Madrid, 2007
- COP 13, UNFCCC, Bali, 2007





2001

2002

2003

2004

2005

2006

2007

GSP

DUP / DUE

GSE

## Panelist

- **Dr. Volker Liebig**, ESA Director
- **Dr. Jacqueline McGlade**, EEA Director
- **Dr. Roberto Acosta**, UNFCCC Coordinator of the Adaptation, Technology and Science programme
- **Mr Gregoire De Kalbermatten**, UNCCD Deputy Executive Secretary
- **Dr. Peter Bridgewater**, Ramsar Secretary General
- **Dr. Jeff Tschirley**, FAO Chief, Environment, Climate Change and Bioenergy Division
- **Pr. Ann Henderson-Sellers**, WCRP Chairperson
- **Pr. Kevin Noone**, IGBP Executive Director

GOFC-GOLD LAND COVER

NEWSLETTER 13

## EARTH OBSERVATION TO SUPPORT UN ENVIRONMENTAL CONVENTIONS

SPECIAL SESSION DURING ENVISAT SYMPOSIUM

From 23-27 April 2007, the ESA ENVISAT Symposium will be held in Montreux, Switzerland. At this symposium, one panel session on Tuesday 24<sup>th</sup> April, is especially dedicated to the use of Earth Observation techniques in support of the UN Environmental Conventions including:

- The UN Framework convention on Climate Change (UNFCCC),
- The Ramsar convention on wetlands,
- The Convention to Combat Desertification (UNCCD),
- The Convention on Biological Diversity (UNCBD).

Representatives from FAO, IGBP, WCRP and the convention secretaries are invited to the introductory panel discussion. The sessions focus on monitoring global ecosystems and present in detail the related ESA projects, e.g. GlobCarbon, GlobColour, Globice or GLOBCOVER (see Agenda).

### Preliminary Agenda of the Environmental Convention Panel, on 24<sup>th</sup> April, at the ENVISAT Symposium

#### The Context Panel

Invitees from ESA, the individual Conventions Secretaries, FAO, IGBP, WCRP

#### Break

#### Understanding and Monitoring the Global Environment

An Update on the DUE GlobCarbon Initiative: Multisensor estimation of global biophysical products for global terrestrial carbon studies

A contribution to improved modelling of Arctic Sea Ice dynamics in Global Climate Models: Early results from the DUE Globice Project

DUE GlobColour: Developing a Merged Global Ocean Colour Data Set for Carbon-Cycle Research

Land Cover Observations to support the Rio-conventions  
DUE GLOBCOVER - A Global Land Cover Service with MERIS

#### Break

#### Supporting the conventions

Space for UNFCCC and the DUE Kyoto Inventory and GSE Forest Monitoring projects

Space for UNCCD and the DUE DesertWatch project

Space for RAMSAR and the DUE GlobWetland project

Space for UNCBD and the DUE Biodiversity project

Space for the World Heritage Convention and the BEGO project



**ENVISAT Symposium**  
ANNOUNCEMENT & CALL FOR PAPERS Montreux Switzerland 23-27 April 2007

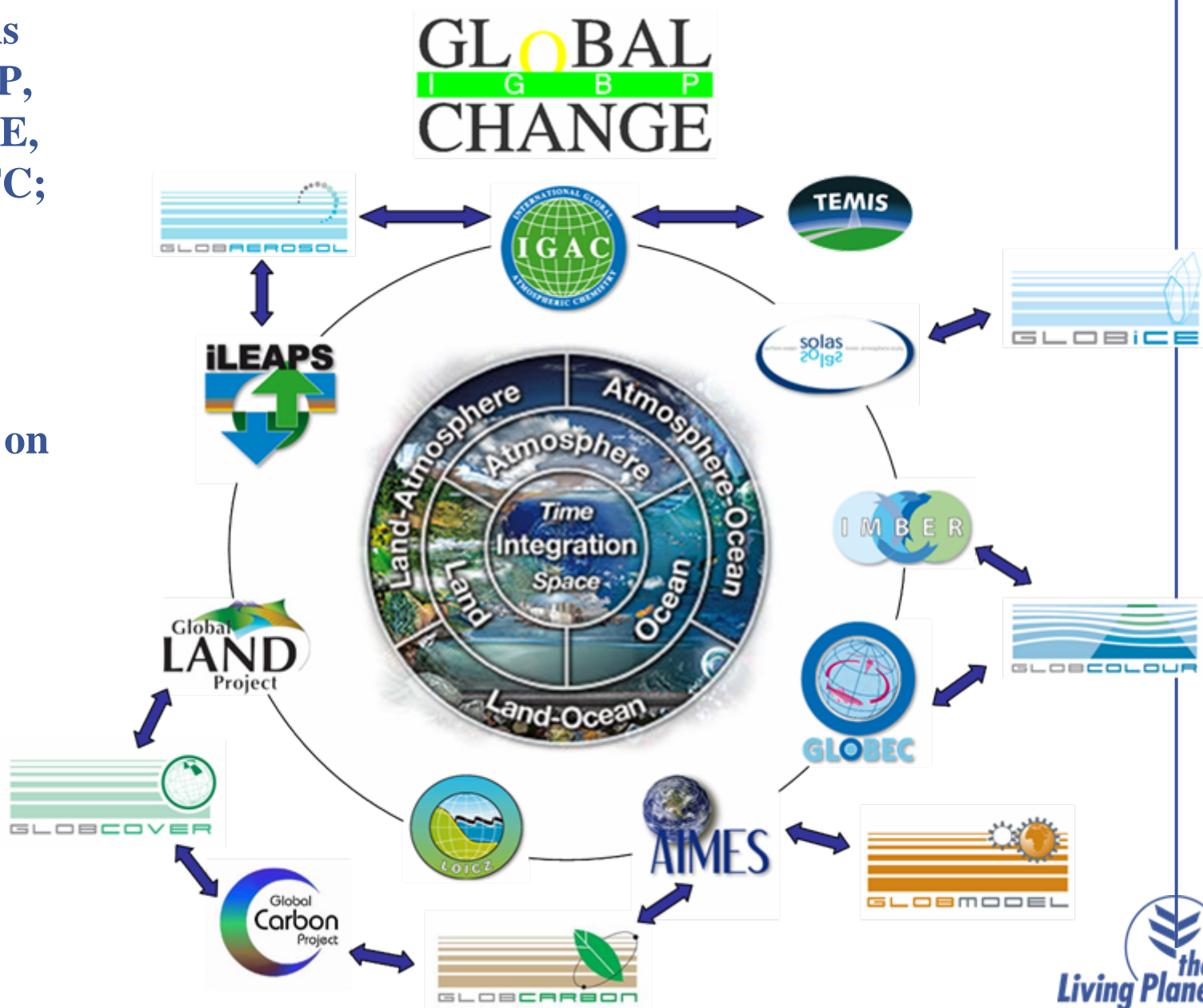
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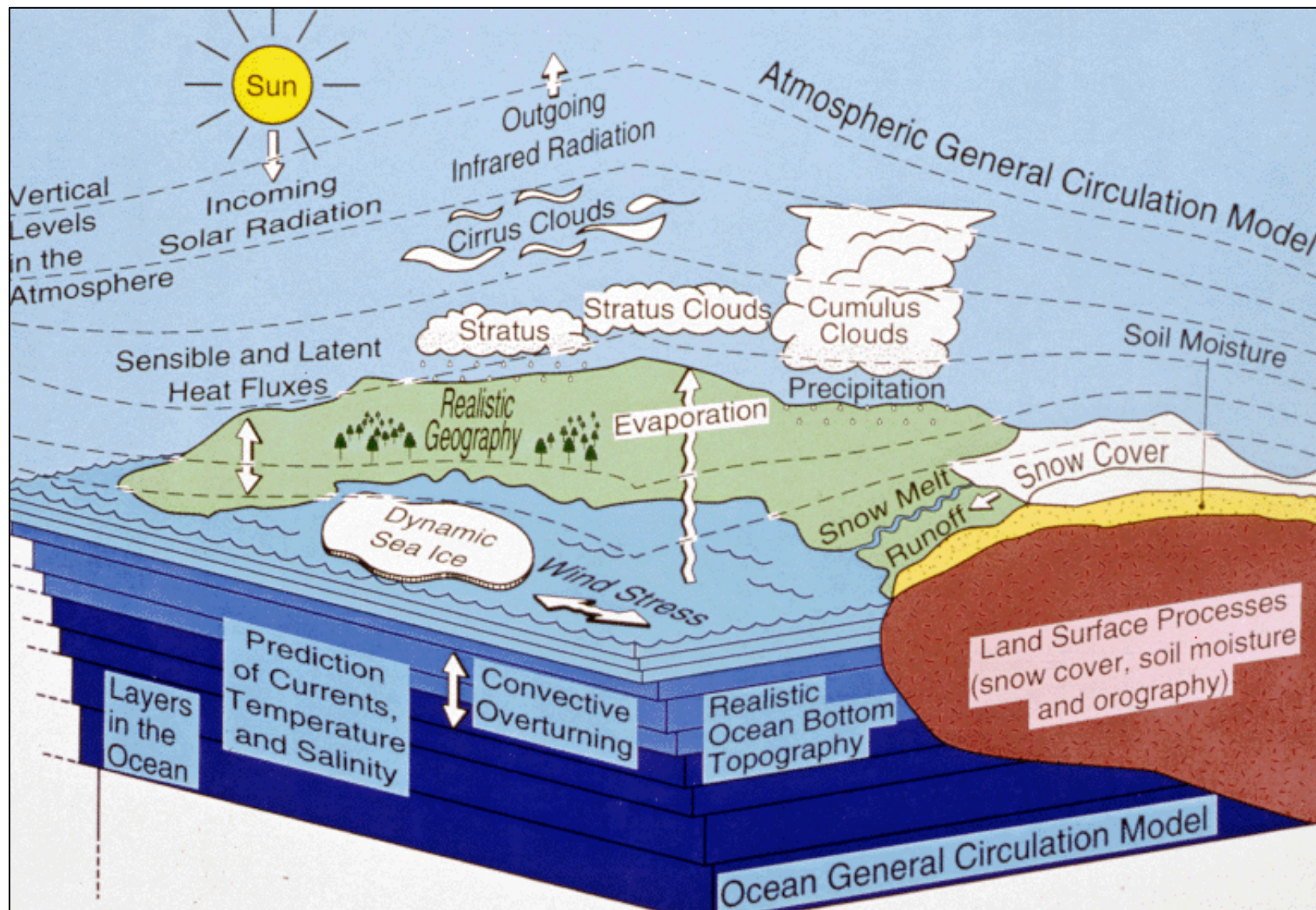
The ENVISAT Symposium dedicates a full day seminar for presenting the use of EO in support of International Environmental Conventions (UNFCCC, RAMSAR, UNCCD, UNCBD). The seminar will commence with a panel providing the context. Presentations will follow showing results of ESA EO missions supporting the conventions. Among them, there will be projects as GLOBCOVER, GLOBCOLOUR, GLOBCARBON and GLOBICE.

INTERNATIONAL ENVIRONMENTAL CONVENTION SEMINAR >> 24 April 2007



33 organizations  
e.g. IPCC, IGBP,  
WCRP, GODAE,  
ECMWF, GOFC;  
participate in  
projects  
addressing the  
monitoring of  
Global Change on  
the different  
elements of the  
Earth system





## **13:00 Welcome and Introduction**

Frank Martin Seifert, ESA & Bambang Setiadi, BPPT

## **13:15 Carbon Accounting and Storage in Forests and Peatlands in Indonesia – from Local Experience to Global Impact**

Bambang Setiadi, MASLI

## **13:30 Planet Action - an Initiative to support local Projects on Climate Change Impacts**

Louis-François Guerre, SPOTIMAGE

## **13:45 Considerations for Monitoring and Measuring Terrestrial ECVs**

Martin Herold, University of Jena & GOFC-GOLD Land Cover Characteristics and Changes Implementation Team

## **14:00 Technical Guidance for Reducing Emissions from Deforestation**

Frédéric Achard, JRC

## **14:15 NOAA Support for Climate Monitoring**

Linda Moodie, NOAA

## **14:30 Observing ECVs from Space – Concluding Remarks**

Frank Martin Seifert, ESA