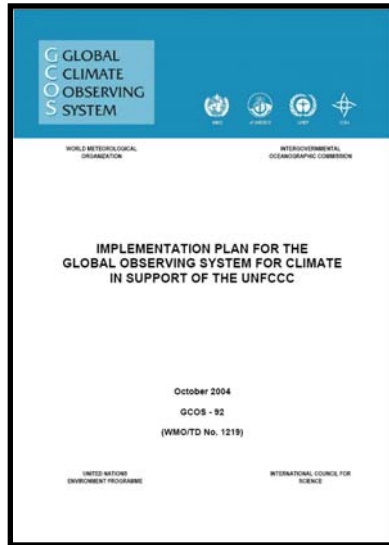


**Call for EE-8 Opportunity mission proposals open until 1 June 2010!**

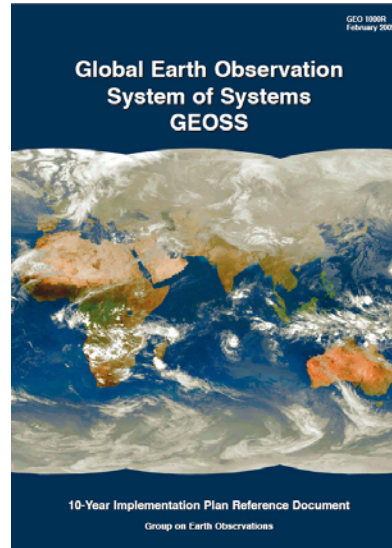
## GCOS IP 2004



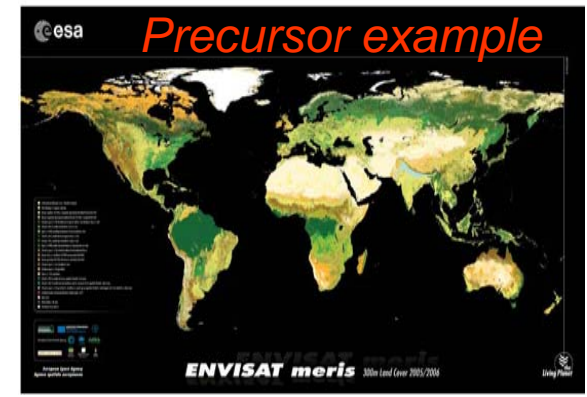
Part of  
GEO  
task  
CL-06-01



## GEOSS IP 2005



ESA CCI: Production of Essential Climate Variables (ECV) according to GCOS requirements



### ***ESA Ministerial Council, Nov 2008:***

Approval of 75 M€ for a six year programme that will contribute to about twenty satellite-based ECVs. A strong interaction with the scientific community is an essential part of the programme.

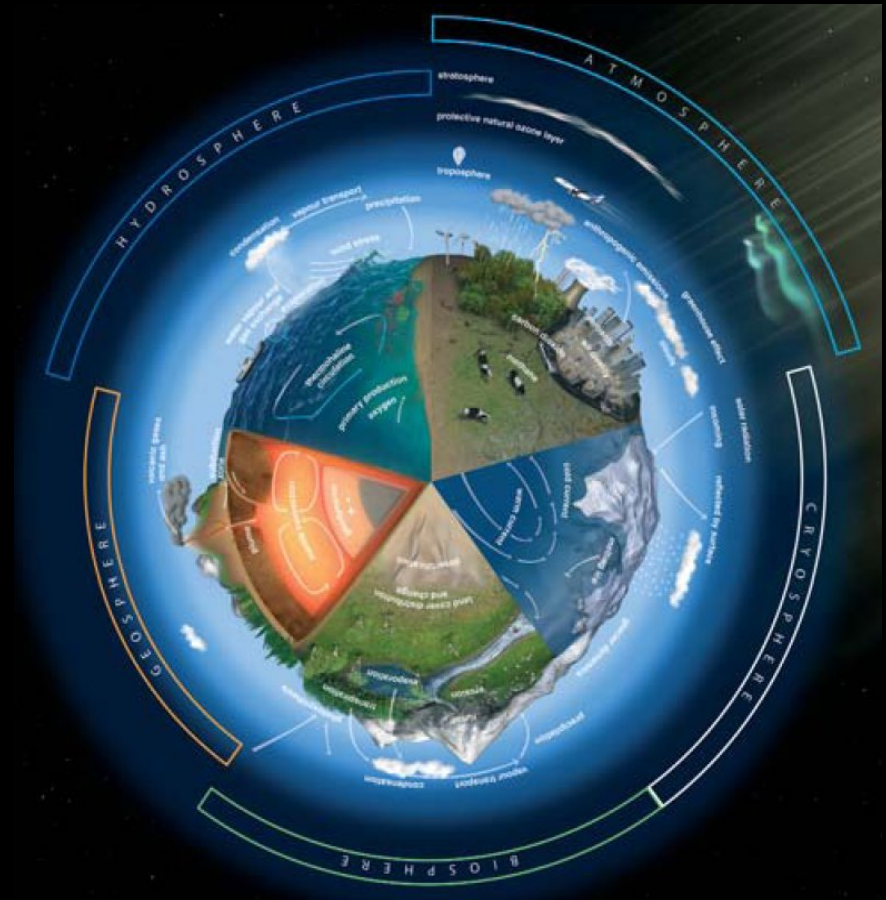
The CCI initiative will ensure that ESA can play a full role in deriving relevant ECVs specified by GCOS, based on ESA current and archived EO data. ESA will work with CEOS agencies to ensure as complete a coverage of the entire suite of ECVs as possible.

Novel Mission Concepts

Novel Algorithms & Products

Support To Earth System Science

Strategic Actions and Int. Scientific Cooperation



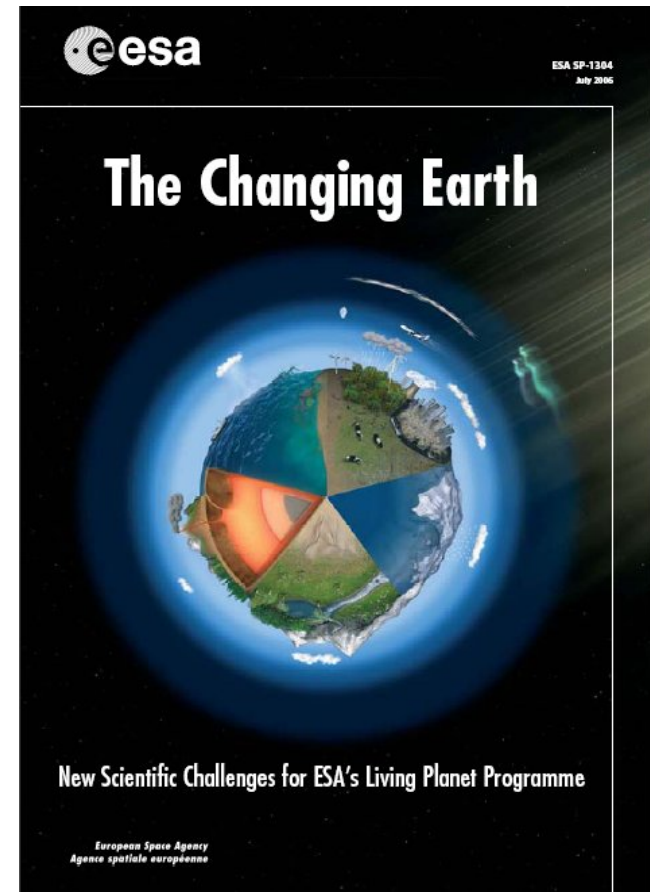
**Objective:** supporting scientists in member countries (young scientist at post-doctoral level) to undertake research activities specifically dedicated to the challenges of the Living Planet Program by exploiting and maximizing the use of ESA EO data;

**The main two elements of the initiative are:**

- Contribute to advance towards the achievement of the new 25 challenges of the Living Planet Program.
- Foster the use of ESA EO data by the Earth science community maximising the scientific return of ESA EO missions;

**The Changing Earth Science Network will also:**

- Contribute to consolidate a critical mass of young scientist in Europe with a good knowledge of ESA EO assets and programs;
- Enhancing interactions between ESA and leading edge Earth science labs, research centres and universities in member countries.



## Establishing long-term alliances with major international Earth System Science Programs:

- Fostering the use of ESA data by large international scientific programs;
- Promote EO and ESA missions within new and wider Earth system science communities;
- Maximise the scientific return of ESA data within the context of major international scientific efforts;
- Coordinate STSE programmatic contents with major scientific needs and requirements addressed by the scientific community;

This is done via:



- Dedicated joint workshops and scientific consultation meetings to discuss and identify scientific priorities where ESA data may contribute;
- Supporting the documentation of scientific needs and requirements in collaboration with the program offices and the scientific committees;
- Defining dedicated STSE projects in close collaboration with major international scientific programs addressing their specific requirements and scientific needs;

