



# Implementation Activities - 2012-

**Carolyn Richter**  
**Director, GCOS Secretariat**

**CGMS-40, 7-8 November 2012, Lugano, Switzerland**

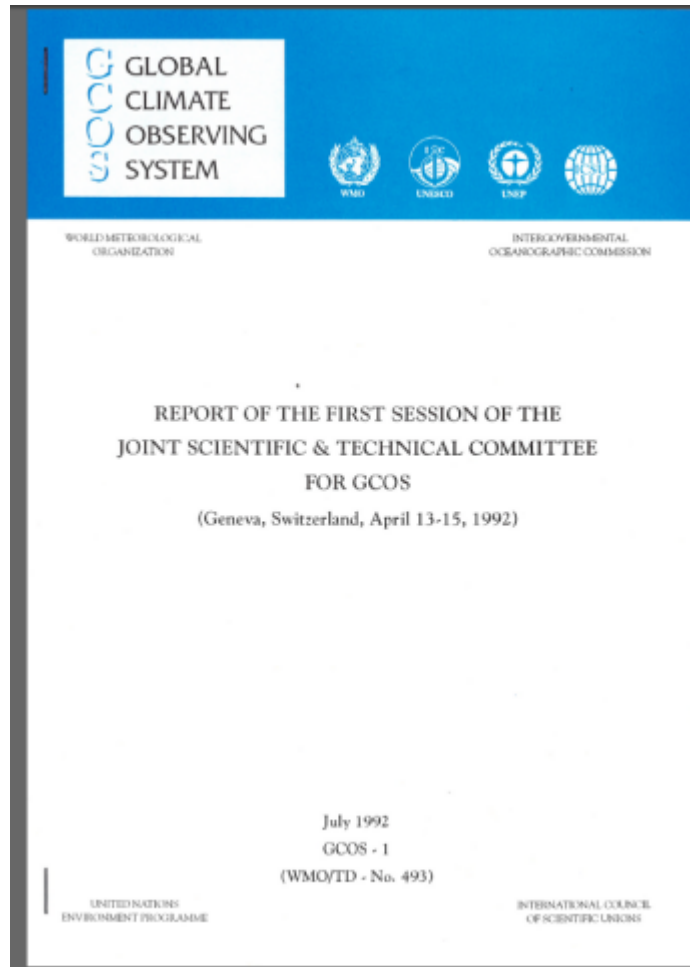


**ICSU**  
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#### 4. EARTH OBSERVATION SATELLITE PROGRAMMES (Agenda item 4)

4.1 The Committee was briefed on the observation satellite programmes in Asia and the Far East, North America and Europe. Background materials were also provided by the JSTC members representing satellite agencies.

4.2 Following the presentations, the Committee raised a number of issues concerning satellite data and the needs of GCOS with regard to future missions. It noted also an upcoming meeting of the Committee on Earth Observations Satellites (CEOS) in the United Kingdom. The JSTC agreed that GCOS should seek affiliate membership in CEOS, since there were many issues of mutual interest facing the two committees. The Chairman agreed to approach CEOS in this regard.

4.3 The Chairman of OOSDP also provided the Committee with an informal document describing recent satellite issues before the OOSDP.



WORLD METEOROLOGICAL ORGANIZATION

INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION

## REPORT OF THE GCOS SPACE-BASED OBSERVATION TASK GROUP

(Darmstadt, Germany, May 3-6, 1994)

November 1994

GCOS - 7

(WMO/TD No. 641)

UNITED NATIONS ENVIRONMENT PROGRAMME

INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS

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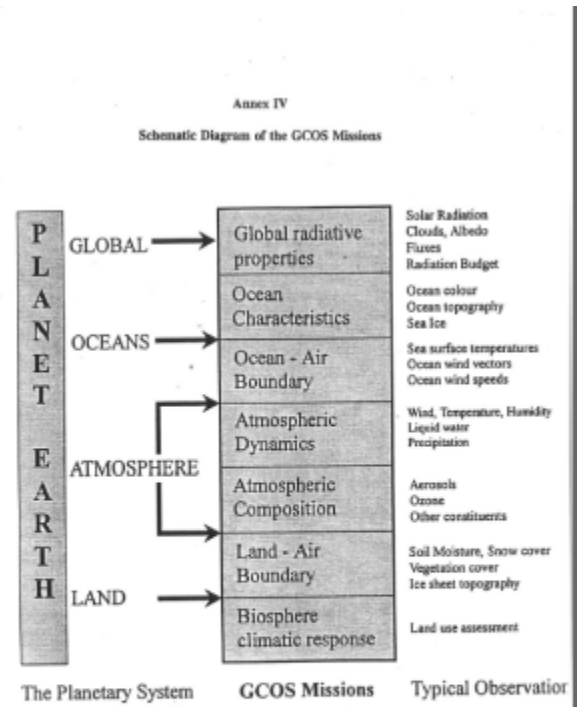
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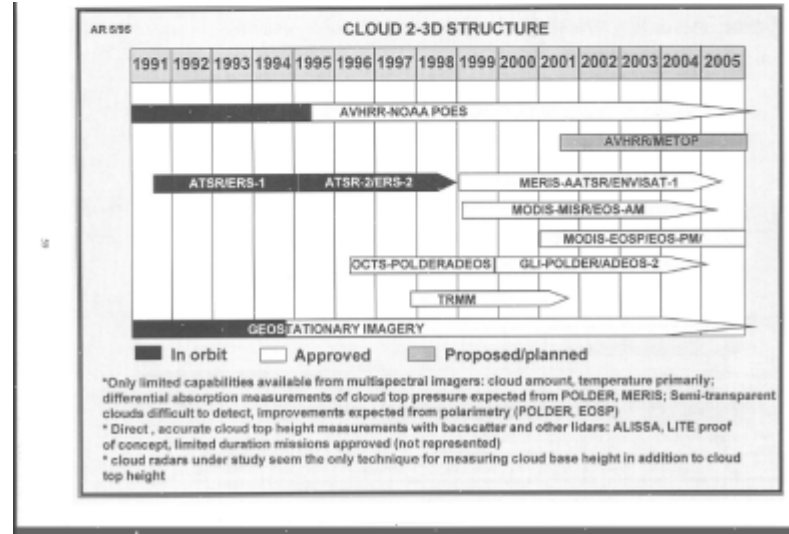
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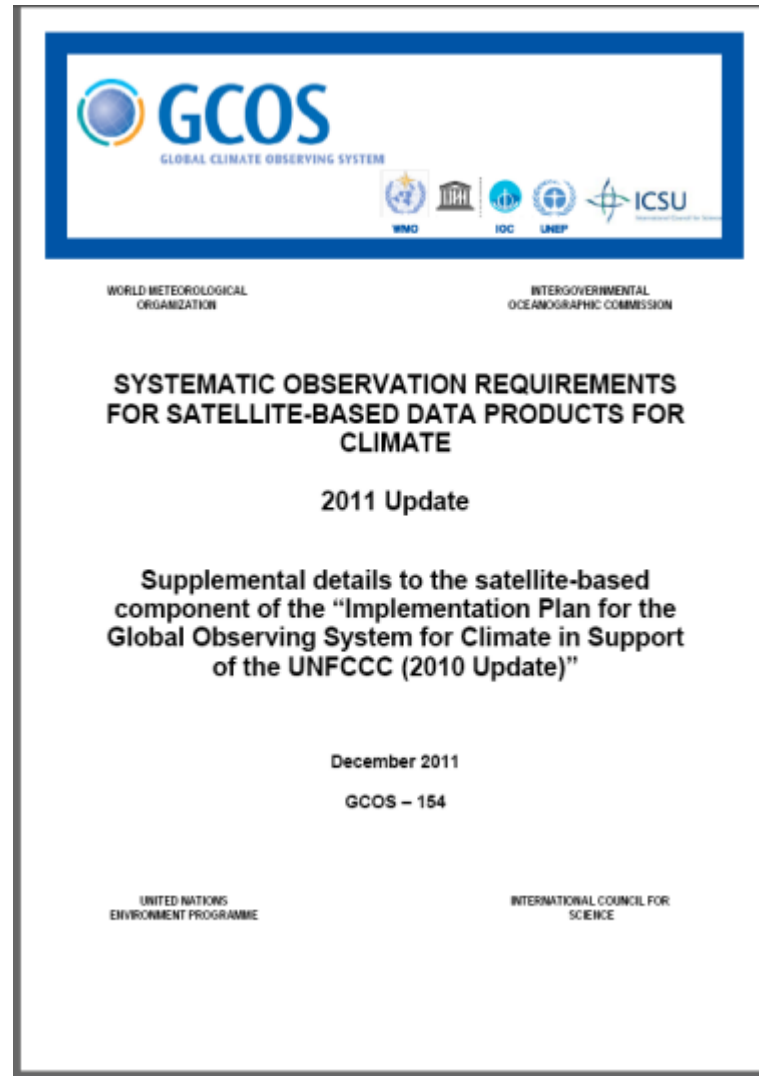
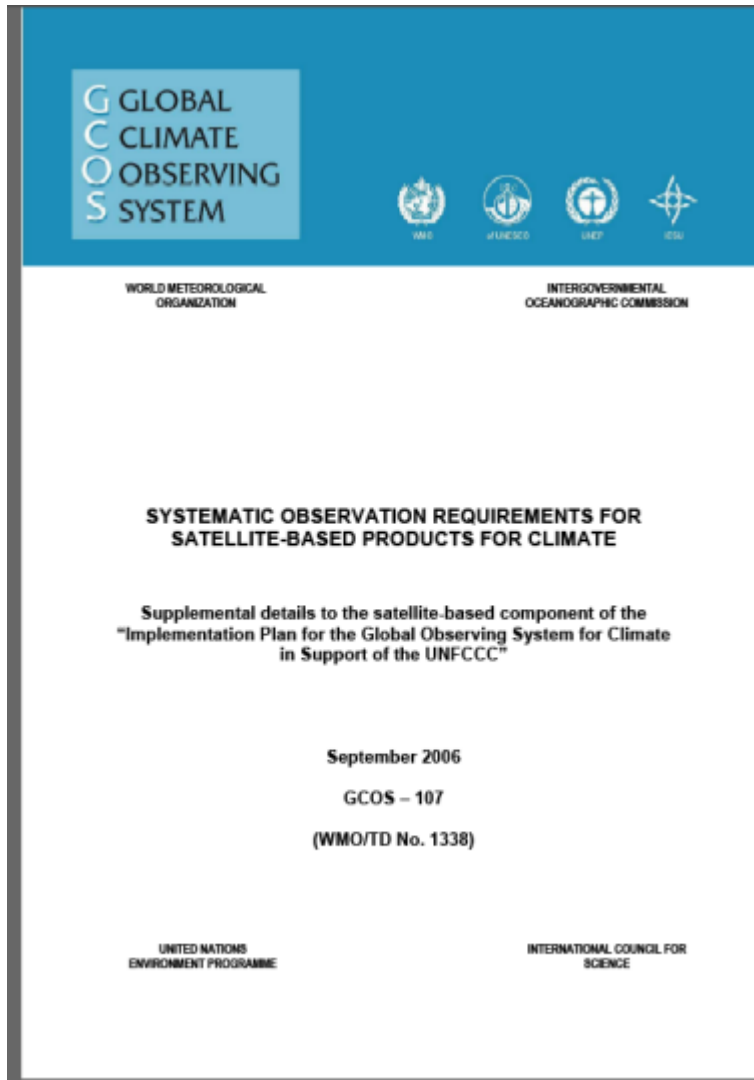
The following diagrams (from Dr Ratier, CNES) illustrate some examples of the problems in obtaining complete long-term (decadal) coverage for climate parameters. Often, excellent short-term observations are not adequately exploited due to lack of long-term commitment. As mentioned earlier in the body of the text, the term "approved" can have widely different meanings, and should be treated with discretion. Also, changes in agency plans can mean that such diagrams can rapidly become out-of-date, and hence should be treated as guidelines.

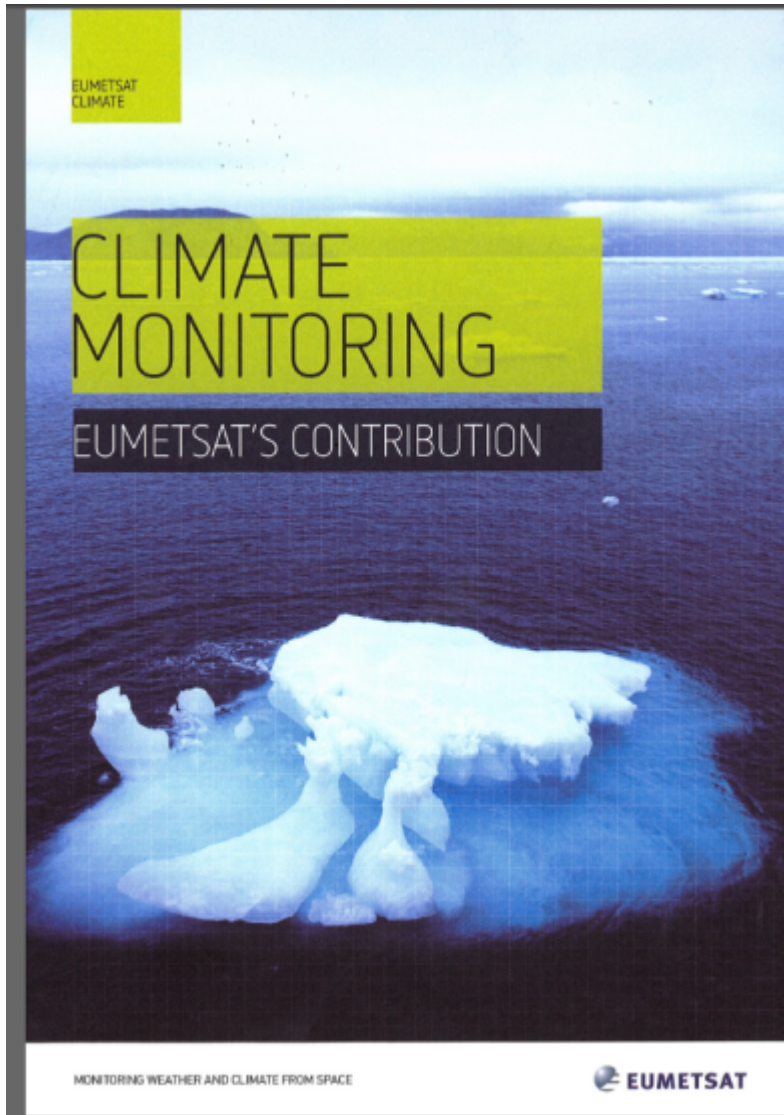


Report of the GCOS Space-based Observation Task Group, GCOS-7, 1994



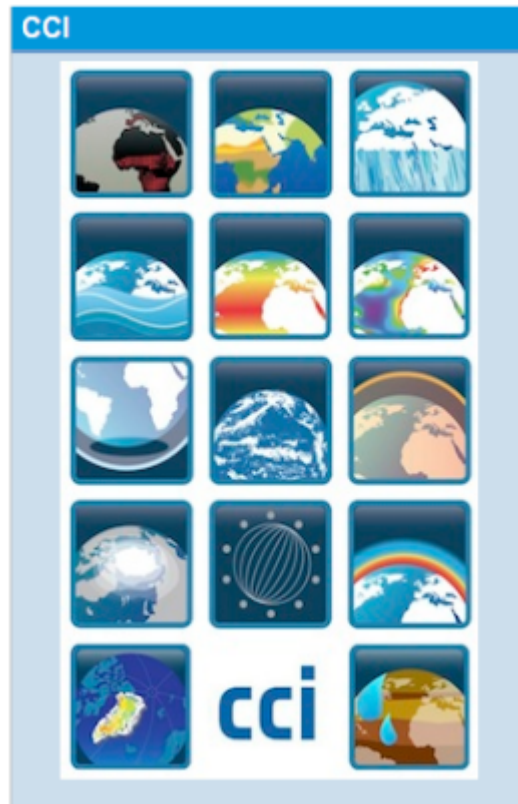






SCOPE-CM aims to establish a coordinated international network to produce Climate Data Records (CDRs) operationally from multi-agency mission data, in response to Global Climate Observing System (GCOS) requirements.







UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE

**Subsidiary Body for Scientific and Technological Advice**

Thirty-seventh session

Doha, 26 November to 1 December 2012

Item 7 of the provisional agenda

**Research and systematic observation**

**Update on progress made by space agencies involved in global observations in their coordinated response to relevant needs of the Global Climate Observing System and the Convention**

**Submission from the Committee on Earth Observation Satellites**

1. The Conference of the Parties, by decision 9/CP.15, encouraged the Committee on Earth Observation Satellites (CEOS) to continue coordinating and supporting the implementation of the satellite component of the Global Climate Observing System (GCOS).
2. At its thirty-third session,<sup>1</sup> the Subsidiary Body for Scientific and Technological Advice (SBSTA) welcomed the coordinated response by the CEOS to the relevant needs of the GCOS implementation plan and those of the Convention, and the progress and commitment by space agencies involved in climate observations to address the space-based component of the GCOS and improve climate monitoring capabilities from space on a sustained basis. The SBSTA encouraged Parties that support the space agencies involved in global observations to continue, through CEOS, cooperation with and support to the GCOS, and to respond to the relevant needs identified in the 2010 updated GCOS implementation plan.<sup>2</sup> The SBSTA invited the CEOS to provide, by SBSTA 37, an updated report on progress made on major achievements in relevant areas.
3. In response of this invitation, India has submitted the above-mentioned progress report on behalf of the CEOS. An abridged version of this report is reproduced in this document. The full report will be made available at <[www.ceos.org](http://www.ceos.org)> and at <<http://unfccc.int/3462>>.

<sup>1</sup> FCCC/SBSTA/2010/13, paragraphs 52 and 53.

<sup>2</sup> The full title of the 2010 updated GCOS implementation plan reads "Update of the Implementation Plan for the Global Observing System for Climate in Support of the UNFCCC".

Submission from India on behalf of the Committee on Earth Observation Satellites

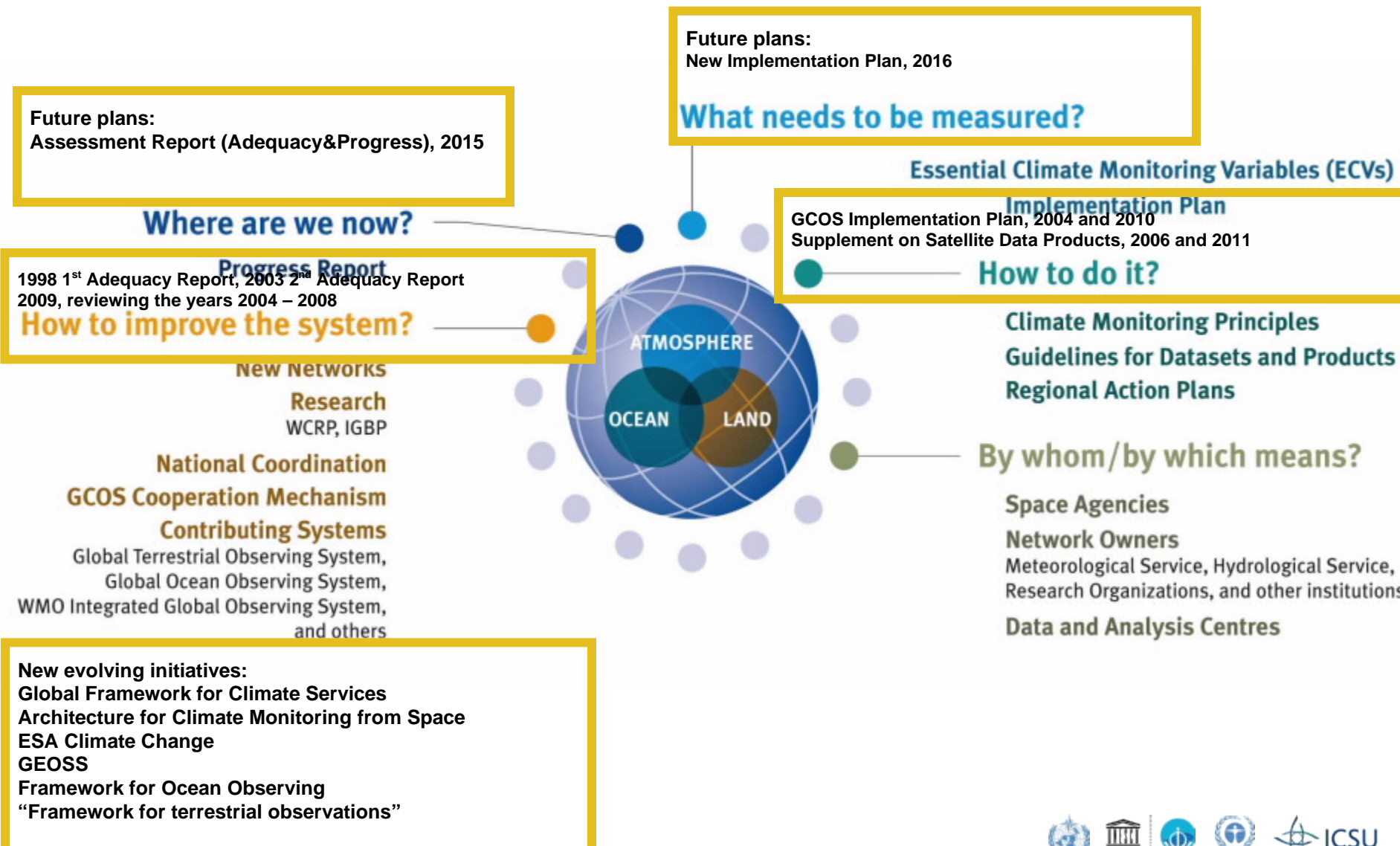
**The Response of the Committee on Earth Observation Satellites (CEOS) to the Global Climate Observing System Implementation Plan 2010 (GCOS IP-10)**

Developed by CEOS and submitted to the United Nations Framework Convention on Climate Change (UNFCCC) Subsidiary Body on Scientific and Technological Advice (SBSTA)

24 September 2012

**Abridged Version  
Submitted 5 October 2012**





- **Review of data needs for adaptation and service provision (2013-2014)**
  - Workshop on observations for adaptation, 25-27 February 2013
  - linking with GFCS activities
- **Assessment of progress and adequacy (2014-2015)**
  - building on identification of needs for adaptation and other services
  - informed by identification of uncertainties by the IPCC Fifth Assessment process
- **New Implementation Plan (2015-2016)**



- **ECV Inventory, supported through the Architecture for Climate Monitoring from Space**
- **Access to climate data records produced by CGMS members**
- **Long-term preservation of data**

**Recommendation: CGMS response to GCOS**

**or**

**“Single voice” response of the Earth Observing Satellite Community to GCOS**