

# The ECV Inventory

Promoting the CCI via the **ECV Inventory** and  
the CEOS Database

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- The GCOS Implementation Plan
- The CEOS & ESA Response
- WGClimate & The Climate Architecture
- The ECV Inventory
- Promoting the CCI
- Way Forward



- Space observations have huge potential to contribute to climate information but it was long recognised that a management plan was needed
- 2004 publication of the GCOS IP was a visionary attempt to bring structure (Satellite Supplement in 2006)
- Brought focus on ECVs and suggested actions to address gaps and inadequacies in information
- Updated in 2010 (2011 Sat Supp)



- Formal CEOS Response to GCOS IP (Sept 2006) submitted to UNFCCC
- Action-oriented framework for coordination on all scales to address requirement expressed by GCOS
- Updated in 2012
- ECV-oriented actions



- Significant Earth science programme – welcomed emergence of the GCOS IP to provide focus and structure
- Established the CCI in 2009 to optimise the European ECV product generation
- Advocated establishment of the CEOS WGClimate to promote the CCI philosophy internationally and ensure international context for CCI



- CEOS formally established a Working Group on Climate in 2010 – **to facilitate the implementation and exploitation of ECV time-series through coordination of the existing and substantial activities** undertaken by CEOS member agencies
- Early focus on 'Architecture for Climate Monitoring from Space' - published jointly with CGMS and WMO in 2013
  - provides a logical representation traceable to GCOS Guidelines and Climate Monitoring Principles
- WGClimate made joint with CGMS in 2013



- ESA CEOS Database Team proposed to continue the trajectory of leveraging CEOS/GCOS activities in support of ESA ambitions for the CCI
- Plan to promote both success of ECV inventory and achievements of CCI by
  - Curating high quality entries for all CCI projects in the ECV inventory
  - Encouraging other agencies to meet that standard
  - Integrating the ECV inventory with the CEOS Database: Missions Instruments, Measurements **& ECVs**



- First integration of the ECV Inventory records into the CEOS Database will be completed and related information (pages and links) will be added
- A revised and updated version of the ECV Inventory will be launched
- The second ECV Inventory survey is expected to be initiated before the middle of the year
  - Call for updates to records, and entry of new records





# Thanks for the CCI Participant Support



- A request for support to the ECV Inventory update survey can be expected closer to the middle of the year
- Feedback on the CEOS Database online will be sought from the CCI participants

The screenshot shows the CEOS Database website interface. At the top, there are logos for CEOS and ESA, and the text 'Updated for 2014'. The main heading is 'THE CEOS DATABASE'. Below this is a navigation menu with links for Home, Missions, Instruments, Measurements, and Other. A search bar is also present. The main content area displays 'ECV RECORD SUMMARY - Sea-Level' with details for TCDR Sea-Level and ECV Sea Level. A table lists ECV Missions and Instruments.

ECV Missions and Instruments	
Mission	Instrument
ERS-1	RA-2
ERS-2	RA
Jason-1	POSEIDON-2 (SSALT-2)
Envirosat-2	RA-2

# Contact



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