

Objectives

The Joint CEOS/CGMS Working Group on Climate (WGClimate) is tasked with responding to UNFCCC and GCOS on the monitoring of climate from space.

Supporting GCOS
Reporting on the systematic observation of climate from space.
Supporting definition of GCOS Implementation Plan.

Definition of the Architecture for Climate Monitoring from Space

Following a WMO/GCOS workshop in January 2011, a "badgeless" Ad Hoc Writing Group was formed to develop a "Strategy Towards an Architecture for Climate Monitoring from Space".

Supporting UNFCCC
Reporting on the systematic observation of climate from space.

Implementation of the Architecture for Climate Monitoring from Space

WGClimate members create climate data records aimed at meeting GCOS target requirements for Essential Climate Variables (ECVs)

WGClimate collection of information to update an ECV Inventory - a snapshot of all ECV climate data records.

WGClimate quality control of the ECV Inventory, a snapshot of all ECV climate data records

WGClimate performs a gap analysis between the climate data records of the ECV Inventory and their associated GCOS needs

WGClimate produce an action plan, to fill the gaps.

WGClimate and SBSTA

First CEOS response to GCOS Implementation Plan.

CEOS agreed to create a new Working Group on Climate to coordinate and encourage collaborative activities between the world's major space agencies in the area of climate monitoring.

Development of the ECV Inventory forms the pivotal asset in the implementation of the architecture for monitoring of climate from space.

A WGClimate response followed an invitation at COP-20 / SBSTA-41 for the working group to provide an updated report on progress made by their member agencies.

In response to an invitation by UNFCCC at SBSTA-33, GCOS submitted to COP-21 / SBSTA-43 A Status of the Global Observing System for Climate, supported by an updated WGClimate report to CEOS.

A special COP21 handbook was published on behalf of CEOS.

Current and future activities :

Support GCOS Implementation Plan

Prepare space agency response to GCOS Implementation Plan

Regular reporting to SBSTA

