

# GCOS Links to WMO

GCOS Secretariat  
29<sup>th</sup> Session of the GCOS Steering Committee

ГЛОБАЛЬНАЯ СИСТЕМА  
НАБЛЮДЕНИЙ ЗА КЛИМАТОМ  
НЕУСТААННО СЛЕДИМ ЗА КЛИМАТОМ

SYSTÈME MONDIAL  
D'OBSERVATION DU CLIMAT  
NOUS VEILLONS SUR LE CLIMAT

النظام العالمي  
لرصد المناخ  
لنضع المناخ نصب أعيننا

全球气候观测系统  
密切监视气候

SISTEMA MUNDIAL  
DE OBSERVACIÓN DEL CLIMA  
SIEMPRE VIGILANDO EL CLIMA

GLOBAL CLIMATE  
OBSERVING SYSTEM  
KEEPING WATCH OVER OUR CLIMATE



GLOBAL CLIMATE  
OBSERVING SYSTEM  
KEEPING WATCH OVER OUR CLIMATE



WMO



IOC



International  
Science Council



UN  
environment

Supported by the European Union



Copernicus  
Europe's eyes on Earth

*Secretariat to prepare a note on improving the integration of GCOS ECV and climate needs into the WMO regulatory system and WIGOS for discussion by the Steering Committee.*

Action SC-28-5

# GCOS Secretariat working with WMO

- GCOS ECVs has been included into the WIGOS manual for the first time
- Climate Monitoring & historic archives are explicitly included in the new WMO Unified Data Policy
- Global Basic Observation Network (GBON), and the Systematic Observations Financing Facility (SOFF), will, if fully implemented, make significant improvement to some climate observations. The ideas for GBON and SOFF originated in a joint WMO/WIGOS workshop in Fiji.
- The GCOS Regional Workshops have been held in association with WMO (WIGOS)
- GCOS ECV requirements fit with WMO's OSCAR database of requirements.
- GCOS should manage the Task Team on the GCOS Surface Reference Network (GSRN-TT) with WMO.
- WMO task team on the GCOS concept of tiered networks on the supported by the GCOS Secretariat
- Attendance at
  - Standing Committee on Earth Observing Systems and Monitoring Networks (SC-ON),
  - the Study Group on Ocean Observations and Infrastructure (SG-OOIS) and
  - the Executive Committee of the Commission for Observation, Infrastructure and Information Systems (INFCOM)

# GCOS Secretariat and the Joint Study Group

- The GCOS Network Manager, Tim Oakley, is the GCOS representative on the board of WMO centennial stations.
- Performance data for the GSN and GUAN are now available on the WIGOS Data Quality Monitoring System (WDQMS), (see <https://wdqms.wmo.int/>)
- The CBS-LC-GCOS (Commission on Basic Systems, Lead Centres, GCOS) are regional centres tasked with monitoring GSN and GUAN
- The GCOS/GOOS OOPC works closely with the Observations Coordination Group (OCG), which strengthens the implementation of GOOS and WIGOS. OceanOPS is the OCG monitoring and support centre and provides an up-to-date dashboard of the status of the ocean observing systems (see <https://www.ocean-ops.org/board>)
- The secretariat has supported the Joint Study group on GCOS

## DECISION

The GCOS steering committee welcomes the work of the GCOS Secretariat to better integrate the GCOS ECV and climate needs into the WMO regulatory system and WIGOS.

The GCOS Steering Committee also recognises that, if fully implemented, the GBON, SOFF and the new WMO Data Policy will significantly improve availability and coverage of climate observations.

The GCOS Steering committee asks the GCOS Secretariat to continue to work with WMO on all the issues noted in this report and to assist in the implementation of the GBON, SOFF and the new WMO Data Policy.