

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



GCOS Climate Observation Conference



Supported by the European Union



The conference will take place on November 28, 29, 30 and 1 December, Darmstad, Germany with online participation possible

New chair of the Conference Science Committee: Sabrina Speich

New

- WCRP is no longer a co-convener and will have its own Conference in 2023, but at the GCOS/WCRP meeting (22 June 2021) it was agreed that there would be joint Sessions WCRP/GCOS in the 2022 and 2023 Conferences
- 2022 is also GCOS 30th Anniversary – this must be highlighted/celebrated
- We could think of devoting part of one session to explore innovative “Blue Sky” ideas: new technologies etc.
- In principle we could have a morning and an afternoon session per each of the days (4 days)

Introduction. Aims and Objectives

Introductory Presentations

- Introductions, Aims, Outputs....

Session 1: How do climate observations support climate policies globally?

Keynote Presentations

- UNFCCC expectations and supporting the GST
- Observations for adaptation
- Observations for mitigation

Possible topics may include:

- Climate data records: can they support adaptation and mitigation
- Examples of how observations are used for adaptation
- Links to UNFCCC Global Stocktake

Session 2: How well do current Climate Observations support the understanding of climate change and variability?

Keynote Presentations

Discussion Sessions:

Outcome

Possible topics may include:

- Climate data records: how do they limit our understanding of the climate cycles - energy, water and carbon?
- Can accurate and consistent trends be derived from the current ECV data records?
- Are the ECV consistent across boundaries in the earth system? What improvements are needed?
- How and where does available data limit modelling capacity (e.g. what additional information might CMIP-7 models need)?
- Reanalysis: What observations are required and what are the gaps?

Session 3: Networks and systems – what improvements are needed to better meet user needs

Keynote Presentations

Discussion Sessions:

Outcome:

Possible topics may include:

- Increased coverage, temporal and spatial resolution, equipment, latency
- New and developing technologies and approaches to observations (e.g. GBON/SOFF)
- Challenges and benefits in integrating networks
- Field campaigns aimed to improve the observing system

Papers may cover the GCOS Networks, other in situ networks and satellite observations

- Theme A: Ensuring Sustainability
- Theme B: Filling Data Gaps
- Theme C: Improving Data Utility
- Theme D: Managing Data
- Theme E: Engaging with Countries and Stakeholders
- Theme F: Emerging needs

SC is asked to agree with the new planning, recognizing the new chair. And mandate the secretariat and chair to extend the “old” committee with more participation of the Global South and better gender ratio.