

DRAFT TEXT

on

SBSTA 57 agenda item 10(a)
Matters related to science and review
Research and systematic observation

Version 12/11/2022 9:00

Decision -/CP.27

Implementation of the global climate observing system

The Conference of the Parties,

Recalling Article 4, paragraph 1(g–h), and Article 5 of the Convention,

Also recalling decisions 8/CP.3, 14/CP.4, 5/CP.5, 11/CP.9, 5/CP.10, 9/CP.15, 19/CP.22,

Further recalling Article 7 of the Paris Agreement,

Noting the important role of the Global Climate Observing System in meeting the need for climate observation and climate services under the Convention,

Recognizing the importance of and continued need for capacity-building to support systematic observation,

1. *Recognizes* the vital importance of robust Earth observation systems and related long-term data records for enhanced understanding of the global climate system and its changes, and for adaptation and mitigation action;
2. *Welcomes* the 2022 Global Climate Observing System Implementation Plan and the 2022 Global Climate Observing System essential climate variables requirements and *encourages* Parties and relevant organizations, as appropriate, to work towards the implementation of the 2022 GCOS Implementation Plan;
3. *Emphasizes* the need to address systematic observation gaps, particularly in developing countries and for ocean, mountain, desert and polar regions and the cryosphere in order to improve understanding of climate change, climate-related risks and tipping points, and adaptation limits and to ensure enhanced delivery of climate services and early warning systems;
4. *Notes* with concern the existing gaps in the global climate observing system and *recognizes* the need to enhance the coordination of activities by the systematic observation community and improve its ability to provide useful and actionable climate information for mitigation, adaptation and early warning systems, as well as information to enable understanding of adaptation limits and of attribution of extreme events.