

SAVE THE DATE

2nd Climate Observation Conference

12–14 October 2021, Darmstadt, Germany

Sustained observations of the global climate system are essential for understanding, predicting, mitigating and adapting to climate change. The progress in understanding and attributing climate change have been largely based on climate observations. In order to this progress, it is vital to make further progress towards achieving a fully implemented, sustainable, global observing system for climate.

The Global Climate Observing System (GCOS), with the World Climate Research Programme (WCRP), and supported by EUMETSAT will be holding a conference that aims to assess how well the current global climate observing system supports current and near-term user needs for climate information. In particular the meeting will examine how well observations of the global Earth cycles (the global energy balance, global water and carbon cycles, and explaining changing conditions of the biosphere) support users' needs for climate data. The outputs will provide inputs into the next GCOS implementation plan which will make recommendations to meteorological networks, major observing systems and satellite agencies and also it will be presented to the UNFCCC in 2022 as a contribution towards the UNFCCC's Global Stocktake.

This conference follows on from the first climate observations conference, *Global Climate Observation: The Road to The Future* held on 2–4 March 2016 in Amsterdam. In the same way the first conference contributed to the GCOS Implementation Plan published in 2016, this conference will contribute to an update of the GCOS Implementation Plan to be published in 2022, allowing experts dealing with climate observations and other key stakeholders the opportunity to review and give input to and feedback on the production of the Implementation Plan.

An organising committee is being setup under the leadership of Prof. A.J. (Han) Dolman, Professor Department of Earth Sciences, VU University Amsterdam which will issue an invitation for papers and posters in the autumn 2020.

Please mark your calendars now for this important conference from 12–14 October 2021. The registration page for the conference will open in due course and more detail on the programme will be available at that time. Please also pass this announcement on to colleagues and contacts who would also be interested in participating.

In the meantime, if you have any questions related to the conference, do not hesitate to contact GCOS GCOS@wmo.int via email.

Further details about GCOS can be found at <https://gcos.wmo.int> and WCRP at <https://www.wcrp-climate.org>
Information about the FIRST climate observations conference is available at <http://www.gcos-science.org>