



UNFCCC COP 28 – Dubai, UAE

Co-producing Science-based Solutions to Support Climate Action

Monday, 4 December 2023

16h30 – 17h30 (UAE Time)

**Venue: WMO-IPCC-MERI-NCM Pavilion
(Dubai/hybrid)**

Background

Since October 2018, and in response to the Paris Agreement (Article 7, paragraph 7 (c)), the World Meteorological Organization (WMO) and Green Climate Fund (GCF) have been partnering to provide the global community with access to new climate information, tools, and guidance to facilitate the generation and use of climate information in support of climate action decisions, recognizing the contribution and value of science-based decision-making in responding to climate change.

The resources developed under the WMO-GCF Climate Science Information for Climate Action initiative include a methodology for [Developing the Climate Science Information for Climate Action](#) (WMO-No. 1287), an online [Climate Information Platform](#) (CIP), tools such as [Climpact](#) for the calculation of climate indices from historical data, and technical guidance with country case studies. These products can contribute to country-level decision-making and the mobilization of climate finance.

The ongoing implementation phase of the initiative aims to provide global stakeholders with additional support through a combination of capacity development, hands-on technical services, expert forums and gatherings, and the creation of an online resource ('climate information gateway') for easy access and guidance to a wider selection of up-to-date, authoritative and quality-controlled methods, tools, and climate information from the climate science information community. This initiative is implemented under the umbrella of the Global Framework for Climate Services (GFCS) which aims to strengthen the design and delivery of climate and risk information services for climate action through national multi-stakeholder user interface platforms.

Description

The side event will report on the outcomes and recommendations of the [Second WMO-GCF Global Forum](#) on Climate Science Information that was hosted by the National Center of Meteorology (NCM) of the United Arab Emirates (UAE) in Abu Dhabi from 10 to 12 October 2023. The Forum brought together different actors involved in the process of production of climate science information to discuss and better understand the co-design of climate services that can enable climate action.

The side event at COP-28 will gather international participants including representatives from indigenous peoples, women groups, climate scientists, UN Agencies, and the GCF, along with national decision-makers to present user needs and requirements in terms of climate science information and local experiences in the co-production of science-based solutions, including climate science information and services. The side event covers the following topics:

- Experiences in co-designing climate services, considering engagement, feedback and learning mechanisms with the user community that can help design climate science information and services.
- The role and value of comprehensive climate information and data portals to support effective decision-making.

This event contributes to the following COP 28 goals, as defined by the United Arab Emirates presidency, such as:

- Mitigation
- Adaptation
- Finance
- Loss & Damage
- Just Transition
- Inclusion
- Front-line communities

Programme

Moderator: Mr Amir Delju (WMO – Senior Scientific Officer)

Online moderator: Dr/Ms Ilaria Gallo (WMO - Scientific Officer)

1. Introduction and Background (5 minutes)

- Mr Amir Delju (WMO – Senior Scientific Officer)

2. User needs and requirements on climate change and vulnerability information (16 minutes)

- Dr/Mr Kevin Horsburgh (GCF - Climate Science Lead) (8 minutes)

- Dr/Ms Berit Arheimer (SMHI/Swedish Meteorological and Hydrological Institute - Full Research Professor Hydrology) (8 minutes)

3. Co-producing climate science information and services (8 minutes)

- Dr/Mr Richard Jones (UK Met Office - Science Fellow)

4. Experiences and solutions for co-production from user communities (8 minutes)

- Ms Ndivile Mokoena (GenderCC -Project Coordinator) (8 minutes)

5. Question and Answer (Q&A) and Discussion (18 Minutes)

- Moderator: Mr Amir Delju (WMO – Senior Scientific Officer)

6. Closing remarks (5 minutes)

- Prof./Mr. Chris Hewitt (WMO – Director – Climate Services Branch)