



United In Science 2023 – Weather, Climate, Water and Related Environmental Sciences and Services for Sustainable Development

Sunday, 10 December 2023, 14:00-15:15 UTC+4

Agenda

2023 marks the halfway point to achieving the 2030 Agenda for Sustainable Development and the Sustainable Development Goals (SDGs). Yet, the science is clear – the planet is far off track from reaching global climate goals and the impacts of extreme weather events and climate change are disproportionately affecting vulnerable communities. These impacts are resulting in losses of lives and livelihoods, exacerbating poverty and inequality, amplifying food and water insecurity, triggering economic instability and, ultimately, undermining sustainable development. However, the world is equipped with the science, technology and knowledge that is unprecedented in history. Weather-, climate- and water-related sciences have undergone revolutionary advances over the past decades that have improved our ability to forecast hydrometeorological events with remarkable accuracy and project future changes in climate. *United in Science 2023* is a multi-agency UN report that highlights the crucial, yet often under-recognized and under-utilized, role weather-, climate- and water-related sciences play in achieving the SDGs.

Time	Session
10 min	<p>Introduction and Setting the Scene</p> <p>Welcome, introduce the topic of the event and <i>United in Science 2023</i></p> <ul style="list-style-type: none"> • Lauren STUART, Scientific Officer and lead coordinator of United in Science 2023, WMO
20 min (5 min / panelist, 5 min Q&A)	<p>Panel 1 – The State of Science: Where We’re at What it Means for Sustainable Development</p> <p>This panel will provide an overview of the current state of science and highlight how extreme weather events and climate change are setting back progress towards achieving the SDGs.</p> <p>Moderator: Dr Pete FALLOON, Climate Service Lead – Food, Farming & Natural Environment, UK Met Office</p> <p>Panellists:</p> <ul style="list-style-type: none"> • Pierre FRIEDLINGSTEIN, University of Exeter UK, Lead of the Global Carbon Budget • Claire RANSOM, Assistant Scientific Officer, WMO • Venge NYIRONGO, Inter-Governmental Specialist – Rio Conventions, UN-Women

<p>20 min (5 min / panelist, 5 min Q&A)</p>	<p>Panel 2 – The Role of Weather-, Climate- and Water-Related Sciences for Sustainable Development</p> <p>This panel will feature a range of partners and highlight concrete examples of how weather, climate- and water-related sciences and services are supporting implementation of the SDGs as well as challenges that prevent the full, effective, and equitable use of these sciences for sustainable development and opportunities to enhance, accelerate and scale up science, technology and innovation to support achievement of the SDGs.</p> <p>Moderator: Prof. Maarten van Aalst, Director-General Royal Netherlands Meteorological Office (KNMI)</p> <p>Panellists:</p> <ul style="list-style-type: none"> • SDG 2 – Amy DUCHELLE, Senior Forestry Officer, Team Leader of Forests & Climate, FAO • SDG 7 – Helen WALTER-TERRINONI, Director Global Climate Policy, Trane Technologies • SDG 13 – Mr Gabriel KPAKA, UNFCCC Least Developed Countries Expert Group (LEG) Chair
<p>20 min (5 min / panelist, 5 min Q&A)</p>	<p>Panel 3 – Leveraging synergies to achieve the shared goals of the Paris Agreement and the 2030 Agenda for Sustainable Development</p> <p>Building on the previous panels, this panel will provide diverse perspectives across the science-policy-society interface and highlight opportunities to leverage synergies to achieve the shared goals of the Paris Agreement and the 2030 Agenda for Sustainable Development.</p> <p>Moderator: Sulagna MISHRA, Scientific Officer, WMO</p> <p>Panellists:</p> <ul style="list-style-type: none"> • Niklas HAGELBERG, Senior Programme Coordinator, Climate Change - UNEP • Jennifer BAUMWOLL, Head of Climate Strategies and Policy (a.i.), UNDP Climate • Prof. Fabiano PALLONETTO, Director of International Renewable and Energy Systems Integration (IRESI) at Maynooth University, Ireland