



**WORLD CLIMATE  
RESEARCH PROGRAMME**  
**OPEN SCIENCE  
CONFERENCE**

**23 - 27 OCT. 2023 | RWANDA**

**Advancing Climate Science  
for a Sustainable Future**

The World Climate Research Programme (WCRP) Open Science Conference will be held from 23 to 27 October 2023 at the new Kigali Convention Centre, with options for in-person and state-of-the-art remote

participation to ensure inclusion and engagement from communities around the world. We anticipate 1500 delegates on site and an equal number connecting remotely.

**Themes**

**Examples of potential session topics**

**Advances in Climate Research**

*Showcasing progress and future challenges in understanding Earth's climate system, and advances in climate science capacity around the world*

- Climate science achievements: advancing our understanding from the ocean to the stratosphere.
- Climate science challenges, new approaches and opportunities: gaps identified by IPCC Working Groups; cycles and budgets of energy, water and carbon.
- Frontiers in climate modeling, observations, and model-data fusion.

**Human Interactions with Climate**

*Analyzing key drivers and impacts of climate change (past, current and future), identifying risks to human and ecosystem health*

- The changing nature of climate extremes, and associated risks and impacts.
- Water availability, food, and ecosystem health in a changing climate.
- Human wellbeing and livelihoods, with a focus on health and cities.

**Co-produced Climate Services and Solutions**

*Connecting scientific knowledge, planning, decision-making and policy processes*

- Climate informatics: near-term regional climate information for adaptation planning in communities and ecosystems.
- Science-based climate change information for mitigation, adaptation, and a sustainable future.
- Climate scenarios: long term climate projections and socioeconomic scenarios; existing challenges and the new realities of climate intervention research.

The conference will be hosted by the Rwanda Environment Management Authority (REMA), on behalf of the Government of Rwanda.



**Register your interest:**  
<https://wcrp-osc2023.org>



**Join the conversation  
#WCRPOSC23**



## A typical day at the Open Science Conference

| Time          | Session  | Description   |
|---------------|--|---|
| 7:30 - 8:45   | Breakfast Session                                      | Time available for World Cafés, early and mid-career researcher breakfasts and similar events                                   |
| 9:00 - 10:30  | <b>Plenary in the Dome</b><br>Bringing it all together | Topics will vary from day-to-day including the conference opening, Africa-specific topic(s), and cross-cutting themes or issues |
| 10:30 - 11:00 | <b>Break</b>   | Tea and coffee break  |
| 11:00 - 13:00 | <b>5 Parallel Sessions</b>                             | Sessions comprising keynote talks from invited speakers and talks selected from abstract submissions, Q&A and panel discussions |
| 13:00 - 14:30 | <b>Lunch</b>   | Lunch break   |
| 14:30 - 16:30 | <b>5 Parallel Sessions</b>                             | Sessions comprising keynote talks from invited speakers and talks selected from abstract submissions, Q&A and panel discussions |
| 16:30 - 18:00 | <b>Posters &amp; Coffee in Foyer</b>                   | Poster session along with aligned speakers' corners, lightning talks, workshops and World Cafés                                 |
| 18:30 - 19:00 | <b>Plenary in the Dome</b><br>Bringing it all together | Wrap up of the day's key discussions and a preview of the next day  |
| From 19:00    | <b>Networking Session</b>                              | Networking and socializing, including World Cafés, with refreshments available  |
| 20:00 - 22:00 | <b>Evening Session</b>                                 | Public lectures, town halls, learning labs, workshops   |

## Outcomes

- Improved assessment of climate risk and extremes through new collaborations and scientific advances
- Innovation in climate data and information
- Improved understanding and prediction of precipitation through the launch of a global experiment /WCRP Decade of Water Research
- Innovative ways to bridge science and society and build a North/South dialogue
- Fostering climate science leadership from the Global South and around the world
- Input to the UNFCCC Conference of the Parties (COP 28), taking place in the United Arab Emirates in November 2023

## Key dates

- September 2022 - [Call for Poster Clusters and Side Events proposals](#)
- November 2022 - 3<sup>rd</sup> circular with program outline
- December 2022 - Abstract submission, financial support application and registration open
- February 2023 - Abstract submission and financial support application deadline
- April - May 2023 - Abstract review and financial support notifications
- June 2023 - Final program with speakers
- 22 & 28 October - Early to mid-career researchers' event
- 23-27 October 2023 - WCRP Open Science Conference

## Participants

Science leaders, politicians, policy makers, intergovernmental agencies and Non-Governmental Organizations (NGOs) will share ideas on how climate research leads to a sustainable future. Natural and social scientists, humanities scholars, and practitioners from around the world will showcase their work, learn from each other, and explore new ways to work together to build the future we want. Early and mid-career researchers (EMCR) will play a prominent role in all aspects of the conference.