



# 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.

## Key dates

- September – Call for Poster Cluster and Side event proposals
- November - 3rd circular with programme outline
- December 2022 - Abstract submission, financial support application and registration open
- 28 February 2023 - Abstract submission and financial support application deadline
- April- May - Abstract review and financial support notifications
- June 2023 - Final programme with speakers
- 22 & 28 October - Early to Mid-Career Scientists' Event
- 23-27 October 2023 - WCRP Open Science Conference

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

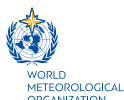
Register your interest:  
[www.wcrp-climate.org/WCRP-OSC23](http://www.wcrp-climate.org/WCRP-OSC23)

## Themes

- Latest climate science and knowledge gaps
- Drivers of climate change, impacts and risks, including extremes and rapid changes
- Water, food and ecosystem and human health in a changing climate
- Climate science to support adaptation, mitigation, policy and sustainable development

## Outcomes

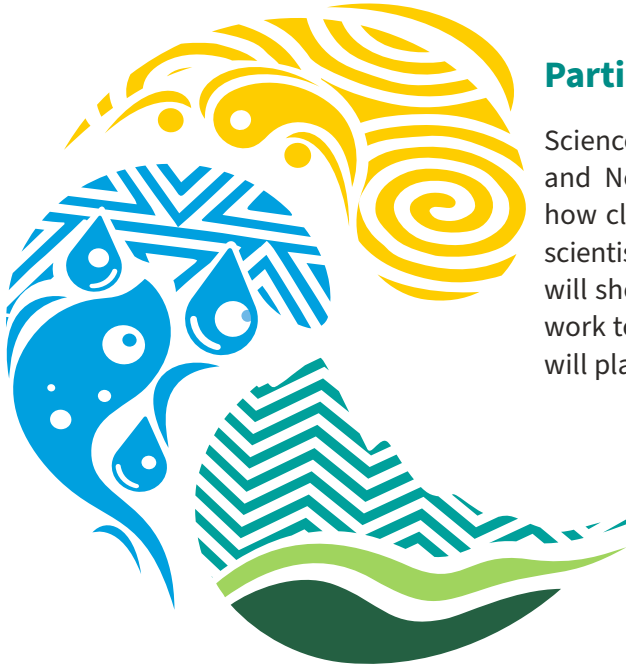
- Improved assessment of climate risk and extremes through new collaborations and scientific advances
- Innovation in climate data and information
- Improved understanding and prediction of precipitation in regions around the world through the launch of a Global Experiment/ WCRP Decade of Water
- Innovative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



Join the conversation:  
**#WCRPOSC23**



Kigali Convention Centre



## Participants

Science leaders, politicians, policy makers, intergovernmental agencies and Non-Governmental Organizations (NGOs) will share their ideas on how climate research can lead 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 scientists will play a prominent role in all aspects of the conference.

For further information, or to become a sponsor, contact  
Valery Detemmerman  
[valery.detemmerman@wcrp-climate.org](mailto:valery.detemmerman@wcrp-climate.org)

## Mission: Advancing climate science for a sustainable future

### Themes (draft)

#### 1. Climate Science Advances

Showcase frontier (latest and most impactful) climate science. Advance capacity development of the scientific workforce across the world.

#### 2. Climate Change Drivers and Impacts

Analyze key drivers and impacts of climate change, identify risks to human and ecosystem health.

#### 3. Co-Design and Delivery of Climate Services and Solutions

Connect scientific knowledge, planning, decision-making and policy processes to create solutions to hard problems.

### Examples of potential Session topics

1. Climate science achievements: advancing our process understanding from the ocean to the stratosphere.
2. Climate science challenges, new approaches and opportunities: a) Gaps identified by IPCC Working Groups, b) Cycles and budgets of energy, water and carbon.
3. Frontiers in climate modeling, observations, and model-data fusion.

1. Changing nature of climate extremes, and associated risks and impacts.
2. Water availability, food, and ecosystem health in a changing climate.
3. Climate change, wellbeing, and livelihoods with a focus on health and cities.

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

## A typical day at the Open Science Conference.

Time	Session	Description
7:30 – 8:45	Breakfast Session	Time available for World Cafés, Early Career Researcher breakfasts, and similar events.
9:00 – 10:30	Dome Plenary "Dedicated" – no other events scheduled during this time	Dedicated Session. Topics will vary from day-to-day, and will include: <ul style="list-style-type: none"> <li>• Conference Opening on Day 1 – introducing the new WCRP</li> <li>• Africa-specific topic(s)</li> <li>• Cross-cutting themes or issues</li> <li>• Others tbd, such as capacity development, global north/south interactions and collaborations</li> </ul>
10:30 – 11:00	<b>Break</b>	Dedicated tea and coffee break – no other formal Conference events to be held at this time
11:00 – 13:00	5 Parallel Sessions "Dedicated" – no other events scheduled during this time	Dedicated Sessions organized by Session Convenor(s) and Theme Leads, comprising: <ul style="list-style-type: none"> <li>• Keynote talks from invited speakers and talks selected from submissions</li> <li>• Discussion time</li> <li>• Opportunity for Panel discussions if needed</li> </ul>
13:00 – 14:30	<b>Lunch</b>	Dedicated lunch break – no other formal Conference events to be held at this time
14:30 – 16:30	5 Parallel Sessions	Dedicated Sessions organized as for morning Parallel Sessions (see above)
16:30 – 18:30	Posters & Coffee in Foyer "Dedicated" – no other events scheduled during this time	16:30 – 17:30: Dedicated Poster Session. 17:30 – 18:30: Continuing the Poster Session. In parallel, opportunities for Speakers' Corners, Lightning talks, Workshops and World Cafés: all aligned to Poster Session.
18:30 – 19:00	Dome Plenary "Dedicated" – no other events scheduled during this time	Dedicated Session, to wrap up key discussions from the day and provide a preview to the next day's sessions / events.
From 19:00	<b>Networking Session</b>	Networking and socializing, including World Cafés, with refreshments available.
20:00 – 22:00	Evening Session	Public lectures, Town Halls, Learning Labs, Workshops.