

ADVANCING CLIMATE SCIENCE FOR A SUSTAINABLE FUTURE

A HYBRID EVENT – 📍 on site: Kigali | 🌐 online everywhere

Abstract Submission opens December 2022

<https://wcrp-osc2023.org> | #WCRPOSC23 | **2nd Circular**



WORLD CLIMATE RESEARCH PROGRAMME OPEN SCIENCE CONFERENCE

23 - 27 OCT. 2023 | RWANDA



WORLD
METEOROLOGICAL
ORGANIZATION



International
Science Council

An aerial photograph of a city at sunset, with a large magnifying glass focusing on a modern building complex in the foreground. The building has a distinctive circular, multi-colored roof. The city is illuminated by streetlights and building lights, contrasting with the warm colors of the sunset sky. The magnifying glass is positioned over the building, highlighting its architectural details and its location within the urban landscape.

Effective climate mitigation and adaptation requires WCRP'S climate science community to better connect with society; to better integrate physical, social, economic, and political science; and bridge the gaps between the global North and South.

MEET WITH US IN REMARKABLE RWANDA

This conference is a once-in-a-decade opportunity for our communities to come together and jointly explore the transformative actions urgently needed to ensure a sustainable future. It will showcase advances in climate science, identify gaps and opportunities, and provide a forum for communities to jointly develop future activities.

For the first time WCRP will hold its Open Science Conference in Africa, to facilitate global engagement with research communities, stakeholders and practitioners in Rwanda and the region. The conference will be hosted by the Rwanda Environment Management Authority (REMA) on behalf of the Government of Rwanda.

We anticipate 1500 delegates on site and an equal number connecting remotely. Scientists, practitioners, politicians, policy makers, intergovernmental agencies and NGOs are invited to showcase their work, learn from each other, and explore new ways to work together.

Come join us to learn about the new WCRP, share your ideas, and meet with colleagues from around the world.



CONFERENCE SESSIONS

Theme 1: Advances in Climate Research

- S01** Climate variability on timescales from weeks to centuries and millennia
- S02** Climate predictability and prediction
- S03** Global and regional monsoons
- S04** Storms, eddies and jets in the atmosphere and ocean
- S05** Polar processes and change
- S06** Rapid and/or irreversible changes in the climate system
- S07** Atmosphere-land interactions: energy, water & carbon
- S08** Ocean-atmosphere interactions: energy, water & carbon
- S09** Interactions between atmospheric composition and climate, including aerosol processes
- S10** Lessons from paleoclimate for recent and future climate change
- S11** Advances in global and regional climate modelling
- S12** Advances in climate observations and model-data fusion

Theme 2: Human Interactions with Climate

- S13** Carbon cycle
- S14** Global energy budget
- S15** Water cycle
- S16** Ice sheets and sea level change
- S17** Climate feedbacks and climate sensitivity
- S18** Current and future forcing, including aerosols and scenarios
- S19** Land use and land cover change
- S20** Impacts on land and marine ecosystems
- S21** Impacts on food security and water availability
- S22** Impacts on human health and urban systems
- S23** Circulation change in the climate system (atmosphere and ocean)
- S24** Attribution of changes
- S25** Regional climate change
- S26** Mitigation scenarios including overshoot and climate intervention

Theme 3: Co-produced Climate Services and Solutions

- S27** Hazards and extreme events
- S28** Regional information – Data and methods
- S29** Regional information – Constructed for climate services
- S30** Uncertainties in climate projections plausibility, possibility and probability.
- S31** Climate knowledge co-production in a decision and policy context
- S32** Capacity development for climate services
- S33** Linking policy and climate information
- S34** Climate services: effectiveness and evaluation
- S35** Mind the gap - value of GCMs/ESMs in actionable climate information contexts.
- S36** Observations for decisions
- S37** Regional attribution
- S38** Connecting regional impacts and climate information
- S39** Institutions and frameworks
- S40** Lessons from failures



KEY PROGRAM FEATURES

- Virtual and on-site participation
- Keynotes by leading scientists, policy makers and practitioners
- Virtual poster gallery and on-site poster sessions
- Opportunities for exhibition booths, side events, meetings, workshops and town halls. Apply [here](#).
- Learning labs to foster knowledge exchange, dialogue and co-production
- Early to mid-career researcher symposium and participation in all aspects of the conference

Key dates

1 December 2022	Abstract submission, financial support applications open
15 December 2022	Registration opens
14 March 2023	Abstract submission and financial support applications deadline
March–April 2023	Abstract review
May 2023	Abstract and financial support notifications
22 & 28 October 2023	Early to Mid-career Researcher (EMCR) Symposium
23–27 October 2023	WCRP Open Science Conference

Registration Fees (US\$)

ON-SITE ATTENDANCE (includes full program, refreshments, gala dinner)		
	EARLY BIRD	AFTER 30 th JUNE
Standard	\$550	\$750
Early career researchers	\$300	
Low and lower-middle income countries*	\$300	
VIRTUAL ATTENDANCE (includes access to poster gallery, all conference sessions, Q&A)		
Standard	\$300	
Low and lower-middle income countries*	\$0	

See website: <https://data.worldbank.org/?locations=XM-XN>



COME JOIN US!

Contact us: WCRP-OSC23@wcrp-climate.org



AIMS | African Institute for
Mathematical Sciences
RWANDA



EUMETSAT



**MERCATOR
OCEAN**
INTERNATIONAL



Copernicus
Marine Service



UCAR
UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH



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