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 by copying the link to your browser: https://wcrp-osc2023.org/news-announcements/news-call-side-events
- 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

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>1 December 2022</td>
<td>Abstract submission, financial support applications open</td>
</tr>
<tr>
<td>15 December 2022</td>
<td>Registration opens</td>
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<tr>
<td>14 March 2023</td>
<td>Abstract submission and financial support applications deadline</td>
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<tr>
<td>March-April 2023</td>
<td>Abstract review</td>
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<tr>
<td>May 2023</td>
<td>Abstract and financial support notifications</td>
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<tr>
<td>22 &amp; 28 October 2023</td>
<td>Early to Mid-career Researcher (EMCR) Symposium</td>
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<tr>
<td>23-27 October 2023</td>
<td>WCRP Open Science Conference</td>
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</table>

Registration Fees (US$)

**ON-SITE ATTENDANCE** (includes full program, refreshments, gala dinner)

<table>
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<th>Category</th>
<th>Early Bird</th>
<th>After 30th June</th>
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<tbody>
<tr>
<td>Standard</td>
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<tr>
<td>Low and lower-middle income countries*</td>
<td>$300</td>
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**VIRTUAL ATTENDANCE** (includes access to poster gallery, all conference sessions, Q&A)

<table>
<thead>
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<td>Standard</td>
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<tr>
<td>Low and lower-middle income countries*</td>
<td>$0</td>
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</tbody>
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See website: [https://data.worldbank.org/?locations=XM XN](https://data.worldbank.org/?locations=XM XN)
COME JOIN US!

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