46th Session of the World Climate Research Programme Joint Scientific Committee



Advancing Climate Science for a Sustainable Future



World Climate Research Programme





Key highlights



World Climate Research Programme







Launched our Support Unit and held our first in-person meeting





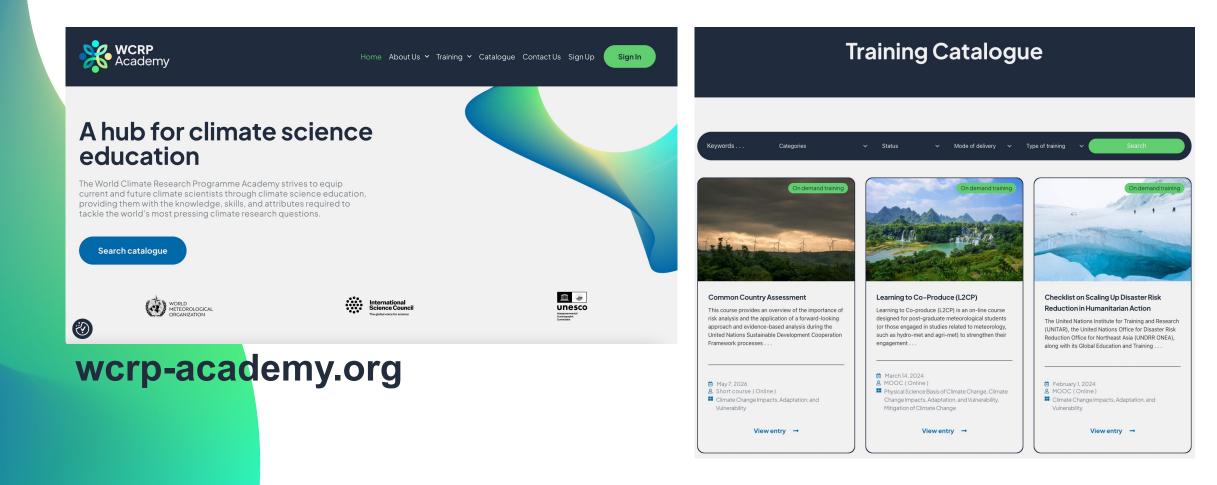


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Re-launched our website and training catalogue







International

cience Council

Increasing our visibility through...

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Newsletters

Greetings from the WCRP Academy! 🏶

We are pleased to share with you the first WCRP Academy Newsletter for 2025. The Academy accomplished multiple milestones last year, and we can't wait to do more in the months ahead.

This edition begins by revisiting the WCRP Academy Support Unit launch in Manila. The Academy's SU is the first WCRP office based in the Global South, thus signifying the organization's effort to promote inclusivity and diversity in its programme structure and training opportunities

The newsletter then provides an overview of a successful event featured in the Academy's catalogue. Climatematch Academy's Computational Tools for Climate Science was attended by over 150 participants from more than 30 countries!

The International Universities Climate Alliance (IUCA) is also featured as our partner in advancing climate science education around the world. It is a hub that fosters collaboration and shared scientific endeavors as they collectively work to respond to the climate crisis

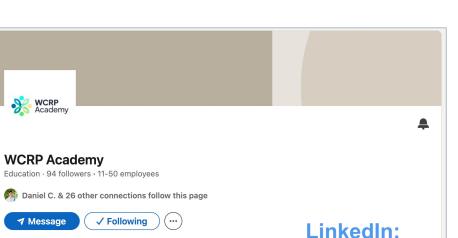
Of course, no Academy newsletter will be complete without a rundown of upcoming events. Be sure to explore our catalogue for more

WCRP Academy

Launches in Manila

Social media





People



Regional

Conferences

Academy Support Unit officially launched at the Manila Observatory or October 7, 2024. The Manila Observatory is a research institution that does science to empower communities to take up the urgent challenges of sustainable development and disaster risk resilience.



International Science Coun

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Capturing training needs vs opportunities



Upcoming journal paper

Journal pape

Rank by Importance

2. Climate risk

3. Climate change adaptation

4. Climates extremes

5. Coding/Programming

6. Analysis of model results

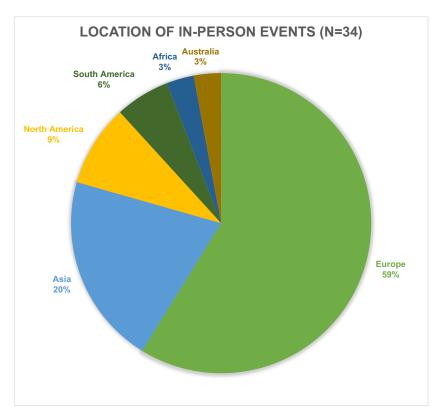
7. Science Communication (journals, grants, proposals)

8. Capacity development/exchange

9. Climate change mitigation

10. Analysis of observations

Academy catalogue monitoring









Rank by Availability

1. Analysis of observations

2. Climate change impacts

3. Geographic Information

4. Analysis of model results

5. Collecting observations

6. Coding/Programming

8. Climate change adaptation

7. Climates extremes

10. Graphics and data

11. Model evaluation

12. Qualitative methods

9. Climate risk

visualization

Systems

Climate science training needs and challenges

"Seeking" community

- Higher percentage of pre-PhD qualified respondents
- More Global South respondents wanted training
- Training on data gathering and management, climatology, and climate modeling

Barriers faced

Limited training opportunities due to:

- Lack of experts and regional studies
- Access to and quality of datasets in the region
- Funding and language are barriers to accessing training

"Trainer" community

- Higher percentage of training providers from the Global North
- Training on topics focused on the physical sciences

Inclusion challenge

- Majority of in-person and hybrid events are being organized in Europe
- Almost all training events are only available in English

Future plans and priorities



Research Programme





2025 activities



WCRP Future Leaders Development Workshop

- Focus: mentoring and other capacity development efforts
- September 2025, Cape Town
- In parallel with "Building Actionable Climate Information for Africa Adaptation" workshop organized by RIfS/CORDEX

Documenting best practices within WCRP

- Highlights good examples of training events organized by WCRP
- Living document meant to inspire future training activities
- On-going engagement with CPs and LHAs





WCRP Future Leaders Programme



The WCRP Future Leaders Programme is envisioned to accomplish the following components through thoughtfully designed activities over the next three years:

- 1. Build a vibrant community of aspiring climate scientist leaders
- 2. Increasing opportunities for leadership development in climate science
- 3. Amplifying the visibility and work of the WCRP Academy



Flagship activities



Projected seed funding needed: CHF 200k

For more details: Day 3 (May 14, Wed) 15:30-18:00 "Ensuring diversity and establishing future leaders"

Connecting with the WCRP Community



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Engaging within WCRP



Documenting and sharing best practices from experiences of CPs and LHAs

Working closely with MCR Education and ECR working groups on various initiatives

Joint workshop with RIfS/CORDEX in Africa (WCRP Future Leaders Development Workshop)

Participating in the Pan-CLIVAR meeting and CLIVAR Symposium in Bali

Contributed to Global South inclusion Task Team assessment of current representation within WCRP

Adding dedicated page on "Polar Research" to Academy website, in preparation for the International Polar Year 2032-33; working with CliC IPO

Exploring WCRP Moodle account (under WMO ETRP) – CMIP as pilot case





Pursuing partnerships outside WCRP



- International Universities Climate Alliance (IUCA)
- UK Met Office Scalable Climate Services and Value Propositions: Transformational Training and User Support project
- Thailand Department of Climate Change and the Environment (CCE)
- Asia-Pacific Network of Early Career Professionals for Global Change Research (APN-ECAP)



WCRP



- Help with fundraising for proposed WCRP Climate Leaders Programme
- Establish Academy advisory board composed of CP, LHA and JSC representatives, as well as EMCRs and other stakeholders





Thank You



World Climate **Research Programme**

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