

4. Updates on capacity development activities by representatives of other WMO bodies

4.1 Updates from the Research Board Capacity Development Activities

Presented by
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13th Meeting of Capacity Development Panel
(EC-CDP-13)

23 and 24 September 2026

Building the Next Generation and Broadening Access

Global Training Needs Assessment (WCRP Academy)

- Global surveys revealed persistent gaps in access to climate science training, especially in the Global South.
- Early-career researchers and women showed particularly strong demand for additional training opportunities.

2026 International Summer School on Climate Change Opens at Fudan University (GAW)

- The summer school brought together the next generation of climate and environmental scientists for interdisciplinary training and international exchange.
- The programme covered climate change, cities, air pollution, extreme weather, health and AI-enabled climate resilience.

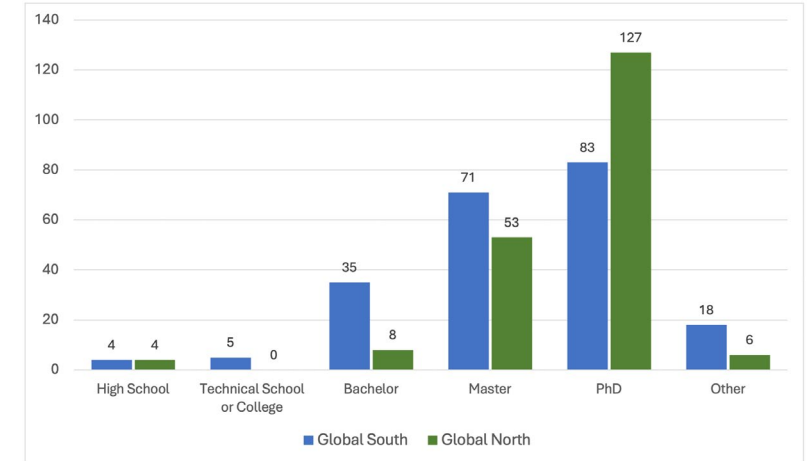


Fig 1. Comparison of educational level by region
(n = 414). <https://doi.org/10.1371/journal.pclm.0000853.g001>



Building Regional Forecasting and Research Capacity

Air Quality Monitoring and Forecasting Training – Latin America (GAW)

- Strengthened expertise in air quality observations, modelling and forecasting.
- Targeted professionals and postgraduate students across Latin America.

Seasonal Drought Forecasting — South America (WCRP / ESMO)

- Capacity building on seasonal drought prediction and forecasting
- Supporting regional climate prediction capability and applications

Clouds, Precipitation & Urban Extreme Weather — Africa (WWRP)

- Focus on weather observations, modelling, early warning and risk communication
- Brought together scientists, students and practitioners, with WWRP support for early-career professionals



Group photo of the International Training Course Strengthens Air Quality Forecasting Capacity in Latin America, Santiago de Chile. Photos: University of Chile

Specialized Scientific and Technical Training

Pan-American Dust Training & Workshop (*GAW / SDS-WAS*)

- Focused on mineral dust monitoring, forecasting and related science in the Americas
- Promoted technical exchange and regional collaboration

GRASP-SYNERGY 2026 Summer School (*GAW-related / partner activity*)

- Intensive training on GRASP retrievals and remote-sensing data synergies
- Combined theoretical learning with hands-on applications

WCRP School on Climate Prediction Across Timescales (*WCRP / ESMO*)

- Advanced training on climate prediction across multiple timescales
- Strengthened scientific skills in prediction methods and applications

Information Sharing

Thirteenth Session of the WMO Research Board (RB-13)

28–30 September 2026 | Hybrid

AI Discussion Relevant to Capacity Development (11:15-12:25 Geneva time, 29 September)

- Request from **CDP** on AI-related training – 5 min
- Breakout discussions
 - Group 1 – Working collaboratively with the private sector: Challenges and opportunities, data reciprocity, standards and authorities
 - Group 2 – Working collaboratively across capacities: Data reciprocity, **capacity development opportunities and risks**
 - Group 3 – Scientific directions: Verification and intercomparison, progress in AI for IBF and science communication

Thank you



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