

Research Board Updates

Tenth Meeting of the Capacity Development Panel

Prof. Mary Scholes, Research Board Vice-Chair

3 February 2025

Research Board Overview



25 to 30 members active in the fields of weather, climate, water, ocean and related environmental and social sciences who participate in their personal, expert capacity



Translates strategic aims of WMO and the decisions of Members into overarching research priorities and mobilizes research internationally to achieve these priorities



Acts as a liaison between international scientific communities, WMO sponsored and co-sponsored Research Programmes, WMO bodies and Regional Associations

Current Membership

- Chair and Vice-Chair
- Chairs of the Research Programmes
- Representatives from INFCOM, SERCOM, Regional Associations, Advisory Group for Global Cryosphere Watch, Working Group on Numerical Experimentation
- 15 invited experts, **including 2 Early Career Researchers**

Current Subsidiary Bodies

1. Task Team on Artificial Intelligence for Weather (TT-AI4Wx)
2. Task Team on Data Exchange with the Research Sector (TT-DERS)
3. Task Team on Early Warnings for All (TT-EW4All)
4. Task Team on Hydrology Research (TT-HydroResearch)
5. Task Team on Social Science and Geophysical Science Integration (TT-SSGSI)

Affiliated Research Programmes

The building blocks of the Research Board are the WMO sponsored and co-sponsored* research programmes



GAW Capacity Development Activities



GAW Compendium on Capacity Development Activities (GAW Report No 291, 2024) highlights:

- Formal training programmes at the GAW Training and Education Centre
- Specialized training schools and workshops on atmospheric composition
- Knowledge exchange related to operational measurements
- Knowledge exchange on atmospheric modelling

WCRP Capacity Development Activities



WCRP Academy

- promotes and advances lifelong learning opportunities and global equity in climate science training

Global South Fellowship Programme

- gives early to mid-career researchers* from the Global South the opportunity to develop their own WCRP-related research activity, boosting climate research activities in their region
- 2024 fellowship focused on Africa

WWRP Capacity Development Activities



9th International Verification Methods Workshop *(May 2024, South Africa)*

- Included verification tutorials, topical lectures and practical assignments, keynote talks and presentations

Weather and Climate Information Services (WISER) Early Warnings for Southern Africa Project

- One of the key components of the project is enhancing the capacity of the NMHSs in southern Africa

EW4All Activities

TT-EW4All

- Currently being set up and will start meeting in early 2025

American Meteorological Society Town Hall (*January 2025*)

- C/RB participated in a multi-disciplinary sciences-to-services panel of experts to gather insight from the scientific community on areas of innovation and possible solutions in support of EW4All's humanitarian goal

TCC session on the role of research in EW4All (*November 2024*)

- Topics raised include the need to consider long-term climate changes in designing effective MHEWS, tipping points, sea level rise, etc.

Thank You