



Concept Note for Asia Climate Risk and Impact Strategic Workshop 2025

The [World Climate Research Programme \(WCRP\)](#) initiatives [Coordinated Regional climate Downscaling Experiment \(WCRP-CORDEX\)](#), [WCRP My Climate Risk \(WCRP-MCR\)](#), [Future Earth](#), the [Swedish Meteorological and Hydrological Institution \(SMHI\)](#) multilateral projects and the [UK Met Office WISER Programme](#) all serve as platforms and facilitators for coordination and cooperation to foster understanding, knowledge exchange, involving stakeholders and capacity development through research, training, conferences and cooperation initiatives.

In 2024, a series of meetings/workshops further strengthened a since long established collaboration to enhance the information exchange, learning and collaboration across science disciplines in the Asia region. These 2024 activities also strengthened the foundation for the next steps in this collaborative effort. New partners have been entrained both in 2024 and 2025, including the [WCRP Core Project Regional Information for Society \(RIFS\)](#), [WCRP Lighthouse Activity My Climate Risk](#), [Rencontres du Vietnam](#) and the [UK Met Office WISER Programme](#).

The activities have focused on improving access to existing downscaled climate model data and climate information. Stakeholder consultations have been carried out (see for instance reports on meetings in [2022](#) and [2021](#)), with the focus primarily on improving information access and dissemination, as well as assessing the downstream impacts, loss and damages and possible adaptation measures (Prabhakar et al. 2024, Mombauer and Wijenayake 2024), and also, although to a lesser extent, on the stakeholders' exact data needs towards the co-creation of fit-for-purpose climate projections and information although more attention to this is needed. There are still gaps in the availability, usability and robustness of data for improved policy decisions at regional and local levels which has been confirmed, for instance during CORDEX-related workshops in Malaysia, Nepal, Uzbekistan, India, China, Indonesia and others ([Meetings – Cordex](#)).

The overall topic for the long-term collaboration is on Science-Impacts-Society and **Multi-scale Climate-Air-Water Nexus for Sustainable Health, Food, and Energy. To further strengthen the collaboration and to address the aforementioned gaps**, we are now planning an Asia Strategic Workshop building on the earlier initiatives where we want to land in a draft plan for a joint pilot project.

The purposes of this workshop are:

- To facilitate discussions among stakeholders/users (various groups working in the target sectors affected by climate change) and climate modellers to strengthen the dialogue for co-producing climate information towards informed decision-making;
- To discuss with stakeholders their real needs in order to effectively bridge the gaps between policy and science, particularly to inform the design of next generation downscaled climate models and downstream model supply chain towards improved actionability;
- To discuss with stakeholders how they want to be involved in the development of training packages for the focus groups identified: decision makers, students and marginalized groups; and
- To discuss the proposed joint pilot project, specifically:
 - To specify what region(s) or topic(s) the pilot project will target
 - To propose options for funding for a pilot project
 - To start drafting the details of a pilot project including these components: exercises building trust and a solid ground for transdisciplinary communication and collaboration, shortlist possible actors/projects with which there are obvious synergies, elaborate on the best ways of co-developing training programmes, finding tool(s) in which training programmes/modules will be drafted, setting up the modules including syllabus and curriculum

The format of the workshop will be along these lines:

First two days open to all participants:

- Introduction on the purpose of the workshop
- Short introduction of organizers and participants
- Short talks and panel discussions as well as round table/break-out sessions on stakeholder needs and priorities and most urgent/requested topic/region and funding possibilities
- Discussions on how to foster the multi-sectoral dialogue amongst the identified impact sectors of health, food, and energy
- Panel discussion on the development of training programmes

Third day open to proposal writers:

- Conclusions from the first two days and main building blocks of the pilot project
- Application/proposal group
- Drafting pilot project details:
 - Structure of the application and 'chapters' to be included (see possible 'ingredients' below)
 - Identify leads on describing parts of the proposal/application
 - Background (Why do we want this project, and why is it interesting from a societal point of view?)
 - Expertise to be included in the project
 - Exercises building trust and a solid ground for transdisciplinary communication and collaboration

- Rationale for connecting possible actors/projects with which there are obvious synergies and why having that connection fosters a holistic and systems approach to understanding the nexus for sustainable water, health, food, and energy
- Best ways of co-developing training programmes
- Finding the tool(s) in which training programmes/modules will be drafted
- Setting up the modules including syllabus and curriculum
- Expected outcomes
- References to publications etc

The idea for the workshop is, as outlined above, to confirm the build-up of a sustainable network among climate information producers and stakeholders/users within this sector in the South/Southeast/Central/East Asia region and more specifically to outline the details of a pilot project and the application for funding.

To the workshop we will invite potential funding agencies such as Asia-Pacific Network for Global Change Research (APN), Green Climate Fund (GCF), Energy Foundation China (EF-China) with strong connection with AiR Pollution - Climate Change - Health Effects Nexus Working Group (ARCH WG), the Alliance of National and International Science Organizations for the Belt and Road Regions (ANSO) and others with the aim to set up liaisons as well as align our future plans.

We will also invite representatives from the impact, adaptation, risk, socio-economic, cultural communities including both researchers and various stakeholders.

The idea is to demonstrate the benefits of transdisciplinary collaboration by arriving at a plan for the pilot where we move from models to actual use of the model output in society through training programmes where the gap between science and society is narrowed.

The CORDEX Flagship Pilot Study on High resolution climate modelling with a focus on mesoscale convective systems and associated precipitation over the Third Pole region, and the exchange platform of WMO GAW AiR Pollution-Climate Change-Health Effects Nexus Working Group (ARCH WG) are examples that can serve as input to the joint pilot project.

To ensure easy participation the workshop will be in hybrid format so that both in-person and online participation is offered. The platform for online interactive participants will most probably be zoom and the workshop will if possible be recorded.

References

Prabhakar, S. V. R. K., Pereira, J., J., Pulhin, J. M. et al. 2024. Priorities for Addressing Slow-Onset Events (SOEs) in Selected ASEAN Countries. In: *Linking Climate Change Adaptation, Disaster Risk Reduction, and Loss & Damage* [Wijenayake, V., Stevenson, L. A., Takemoto, A., Ranjan, A., Mombauer, D. & Ismail, N. (Eds.)]. Springer Nature: Singapore.

Mombauer, D. & Wijenayake, V. 2024. Policy Gaps and Needs Analysis for the Implementation of NDCs on Adaptation and Loss and Damage in Bangladesh, Nepal, and Sri Lanka. In: *Linking Climate Change Adaptation, Disaster Risk Reduction, and Loss & Damage* [Wijenayake, V., Stevenson, L. A., Takemoto, A., Ranjan, A., Mombauer, D. & Ismail, N. (Eds.)]. Springer Nature: Singapore.