

## Agenda

Day 1: 9 December 2024

Time	Programme	Responsible
09:00–09:15	<b>Registration</b>	<b>Shova Bhandari</b> , Senior Programme Associate, ICIMOD
09:15–10:30	<p><b>Opening Session</b></p> <ul style="list-style-type: none"> <li>• Welcome remarks, <b>Pema Gyamtsho</b>, Director General, ICIMOD</li> <li>• Keynote remarks, <b>Kavitha Kasyanathan</b>, Head of Development, Embassy of Australia, Nepal</li> <li>• Opening remarks, <b>Anil Pokhrel</b>, Chief Executive, National Disaster Risk Reduction Management Authority (NDRRMA), Nepal</li> <li>• Remarks, <b>Diana Patricia Mosquera Calle</b>, Deputy Chief, Regional Office for Asia Pacific, United Nations office for Disaster Risk Reduction (UNDRR)</li> <li>• Relevance of a regional DRR knowledge hub, <b>Arun Bhakta Shrestha</b>, Strategic Group 1 Lead - Reducing climate and environmental risks, ICIMOD</li> <li>• Cross-border cooperation on water and hazards in the Koshi river basin, <b>Ramesh Ananda Vaidya</b>, ICIMOD Fellow- Senior Advisor (Water and Energy), ICIMOD</li> <li>• Introduction to HDKH and sharing of the objectives of the consultation workshop, <b>Saswata Sanyal</b>, Disaster Risk Reduction Intervention Manager, ICIMOD</li> <li>• Launch of HDKH, <b>Pema Gyamtsho</b>, ICIMOD</li> </ul>	<p><b>Moderator: Neera Shrestha Pradhan</b>, Action Area Coordinator, Managing cryosphere and water risks, ICIMOD</p> <p><b>Rapporteur: Paridhi Shrestha</b>, Intern, ICIMOD</p>

**Panel on Global Voices on Early Warnings: Science-Policy-Practice interface from the global to local scale**

<p>10:30–11:30</p>	<p>A panel of experts from the four pillars of the EW4All initiative will discuss the global and regional targets, and, the steps needed to achieve them with a focus on countries in the HKH.</p> <p><b>Panellists:</b></p> <ul style="list-style-type: none"> <li>• <b>Diana Patricia Mosquera Calle</b>, Deputy Chief, Regional Office for Asia Pacific, United Nations office for Disaster Risk Reduction (UNDRR)</li> <li>• <b>Sanny Ramos Jegillos</b>, Senior Adviser, Disaster Risk Reduction, United Nations Development Programme (UNDP)</li> <li>• <b>Xuanmei Fan</b>, Director, The State Key Laboratory of Geohazard Prevention and Geo-environment Protection (SKLGP), China</li> <li>• <b>Sanjay Srivastava</b>, Chief of Disaster Risk Reduction, United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP)</li> <li>• <b>Bhesh Parajuli</b>, Senior Disaster Risk Management Policy Officer, International Federation of Red Cross and Red Crescent Societies (IFRC), Nepal</li> </ul> <p><b>Q&amp;A</b></p>	<p><b>Moderator: Neera Shrestha Pradhan</b>, ICIMOD</p> <p><b>Rapporteur: Debabrat Sukla</b>, Senior Communications Officer, ICIMOD</p>
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**11:30-12:00 Tea break with snacks and Group photo**

**Session 1 – Addressing disaster risks in the mountain context (Pillar 1: Disaster Risk Knowledge)**

<p>12:00–13:00</p>	<p>(Presentations: 10 mins each)</p> <ul style="list-style-type: none"> <li>• Need for multi hazard risk assessment (MHRA) framework, <b>Rajendra Sharma</b>, Under Secretary, National Disaster Risk Reduction and Management Authority (NDRRMA), Nepal</li> <li>• MHRA framework in the mountain context, <b>Bipin Dulal</b>, Disaster Risk Reduction Analyst, ICIMOD</li> <li>• Early warning and deep learning model for shallow landslide along highways in mountainous area, in west China, <b>Hongling Tian</b>, Senior Engineer, Institute of Mountain Hazards and Environment (IMHE), Chinese Academy of Sciences (CAS)</li> <li>• Mountain riskscapes: Incorporating complex realities of dynamic social ecological systems into DRR, <b>Stefan Schneiderbauer</b>, Head, Center for Global Mountain Safeguard Research (GLOMOS)</li> </ul> <p><b>Q&amp;A</b></p>	<p><b>Chair: Qianggong Zhang</b>, Professor, Chinese Academy of Sciences, China</p> <p><b>Moderator: Saswata Sanyal</b>, ICIMOD</p> <p><b>Rapporteur: Rongkun Liu</b>, Analyst Indus Koshi China Focal Point, ICIMOD</p>
<p>13:00–14:00</p>	<p><b>Lunch</b></p>	

**Session 2 – Enhancing detection and monitoring of hazards through innovations in observations and forecasting (Pillar 2: Detection, observations, monitoring, analysis and forecasting of hazards)**

14:00–15:00	<p>(Presentations: 10 mins each)</p> <ul style="list-style-type: none"> <li>Artificial Intelligence and Machine Learning in early detection of impending hazards, <b>Sanjay Srivastava</b>, UNESCAP</li> <li>Forecasting approaches for early warning in-situ and earth observation, <b>Sarder Udo Raihan</b>, Bangladesh Water Development Board (BWDB)</li> <li>Community-based monitoring and reporting of hazards, <b>Partha Jyoti Das</b>, Head, Water, Climate &amp; Hazard Division, Aaranyak, India</li> </ul> <p><b>Q&amp;A</b></p>	<p><b>Chair: Jiban Kumar Sarker</b>, Additional Chief Engineer, BWDB, Bangladesh</p> <p><b>Moderator: Mandira Shrestha</b>, Senior Water Resources Specialist, ICIMOD</p> <p><b>Rapporteur: Pradeep Dangol</b>, Senior Hydrology Research Associate, ICIMOD</p>
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15:00–15:30

**Tea break**

**Session 3 – Improving last mile connectivity (Pillar 3: Warning dissemination and communication)**

15:30-16:30	<p>(Presentations: 10 mins each)</p> <ul style="list-style-type: none"> <li>Potential areas of strategic innovations, research and cooperation in improving last mile connectivity towards disaster resilient HKH, <b>Anil Gupta</b>, National Institute of Disaster Management (NIDM), India</li> <li>Strengthening Community-Based Communication and Response Mechanisms, <b>Sanjay Pandey</b>, Yuganter, India</li> <li>Future leaders in warning: Opportunities networks, dissemination and communication, <b>Karma Yangzom Dorji</b>, Environmental and Social Expert, Department of Local Governance and</li> </ul>	<p><b>Chair: Jamyang Zangpo</b>, Senior Meteorologist/ Hydrologist Officer, National Centre for Hydrology and Meteorology (NCHM), Bhutan</p> <p><b>Moderator: Navneet Yadav</b>, Program Director, Doers</p>
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	<p>Disaster Management (DLGDM), Bhutan</p> <ul style="list-style-type: none"> <li>GESI in Early Warning and Communication Systems by <b>Zahra Hassan</b>, National Disaster Management Authority (NDMA), Pakistan</li> </ul> <p><b>Q&amp;A</b></p>	<p><b>Rapporteur: Vuyasi Rajbhandari</b>, Content and Outreach Consultant, ICIMOD</p>
<p><b>Session 4 – Reducing impacts and safeguarding lives using early warnings (Pillar 4: Preparedness to respond)</b></p>		
<p>16:30-17:30</p>	<p>(Presentations: 10 mins each)</p> <ul style="list-style-type: none"> <li>Experiences on early action based upon early warning information by UN organisations, <b>Lila Jung Gurung</b>, Emergency and Resilience Coordinator, Food and Agriculture Organization (FAO)</li> <li>Preparedness in the face of emerging risks: Innovative approaches to reduce disaster impacts, <b>Alina Karki</b>, Program Coordinator (Climate Risk and Innovation), Danish Red Cross/IFRC</li> <li>From plans to action: Building and sustaining locally led and inclusive disaster preparedness and response in the HKH, <b>Anju Jha</b>, Mandwi, <b>Vijay Khadgi</b>, ICIMOD and <b>Aditya Bastola</b>, GESI Expert</li> <li>Building Resilient Communities Through Games: Examples from Outside the HKH, <b>Ruttikorn Vuttikorn</b>, Play Activist, Thailand</li> </ul> <p><b>Q&amp;A</b></p>	<p><b>Chair: Richa Srivastava</b>, Senior Scientist, IIT Roorkee, India</p> <p><b>Moderator: Dezangmo</b>, Department of Local Governance and Disaster Management (DLGDM), Bhutan</p> <p><b>Rapporteur: Sravan Shrestha</b>, Senior Associate-Remote Sensing &amp; Geoinformation-SERVIR, ICIMOD</p>
<p>18:00 onwards</p>	<p><b>Reception dinner at Rato Baithak, Hotel Himalaya</b></p>	

Day 2: 10 December 2024

Time	Programme	Responsible
09:30–10:00	<b>Registration</b>	<b>Shova Bhandari</b> , Senior Programme Associate, ICIMOD
<b>Session 5 – Understanding the current status of Early Warning Systems in RMCs</b>		
10:00-11:00	(Presentations: 15 mins each) <ul style="list-style-type: none"> <li>Bangladesh, <b>Jiban Kumar Sarker</b>, Additional Chief Engineer, BWDB, Bangladesh</li> <li>Bhutan, <b>Jamyang Zangpo</b>, Senior Meteorologist/ Hydrologist Officer, National Centre for Hydrology and Meteorology (NCHM)</li> <li>China, <b>Xuanmei Fan</b>, Director, The State Key Laboratory of Geohazard Prevention and Geo-environment Protection (SKLGP)</li> </ul> <p><b>Q&amp;A</b></p>	<p><b>Chair: Anil Pokhrel</b>, NDRRMA</p> <p><b>Moderator: Faisal Mueen Qamer</b>, Intervention Manager, Resilient River Basins, ICIMOD</p>
11:00 – 11:15	<b>Tea Break</b>	
11:15 – 12:30	Session 5 continued <ul style="list-style-type: none"> <li>India, <b>Diganta Barman</b>, Head, Water Resource Division, Department of Space, Government of India</li> <li>Nepal, <b>Binu Maharjan</b>, Meteorologist, Department of Hydrology and Meteorology (DHM)</li> <li>Pakistan, <b>Ikram Uddin</b>, Director, F&amp;C Karachi, and, <b>Rashid Bilal</b>, Deputy Director, National Drought Monitoring Center (NDMC),</li> </ul>	<p><b>Rapporteur: Shubhuti Kiran Ghimire</b>, Water Resources Management Consultant, ICIMOD</p>

	Pakistan Meteorological Department (PMD)	
	<b>Q&amp;A</b>	
12:30–13:30	<b>Lunch</b>	
<b>Session 6 – Governance of HDKH</b>		
13:30–15:30	<ul style="list-style-type: none"> <li>• Presentation on the governance mechanism and potential WGs of the HDKH, <b>Saswata Sanyal</b>, ICIMOD (15 mins)</li> <li>• Group work and presentation on the governance and potential WGs for the HDKH (4 groups focusing on the priorities)</li> </ul> <p><b>Q&amp;A</b></p>	<p><b>Moderator: Shubhuti Kiran Ghimire</b>, ICIMOD</p> <p><b>Rapporteur: Yeshi Lham</b> GEDSI Officer, <b>Paridhi Shrestha, Sravan Shrestha, Bipin Dulal</b>, ICIMOD</p>
15:15–15:30	<b>Tea break</b>	
<b>Session 7 - Way Forward: Regional Roadmap for EW4All</b>		
15:30–17:00	<ul style="list-style-type: none"> <li>• Keynote on way forward, <b>Hon'ble Dr. Uday Kant</b>, Vice Chairman, Bihar State Disaster Management Authority (BSDMA), India</li> <li>• Regional roadmap for policy advocacy: Key Aspects of HKH regional roadmap for EW4All, <b>Neera Shrestha Pradhan</b>, ICIMOD (10 mins)</li> <li>• Group work and presentation on the regional roadmap on EW4All in HKH and HDKH governance and WGs (5 groups focusing on the pillars; 60 mins)</li> <li>• Remarks by participants (10 mins)</li> <li>• Concluding remarks, <b>Arun Bhakta Shrestha</b>, ICIMOD (10 mins)</li> </ul>	<p><b>Moderator: Vuyasi Rajbhandari</b>, Content and Outreach Consultant, ICIMOD</p> <p><b>Rapporteur: Pradeep Dangol, Shubhuti Kiran Ghimire, Rongkun Liu, Shailendra Shakya</b>, ICIMOD</p>