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# Plenary Reporting



# Breakout Session: Summary Table of CIEWS Investment Priorities

## Sectoral Group: AFNR

Country	Project/ Investment Title	CIEWS Component/ Entry Point Objectives	Potential Implementing Ministries/ Agencies/ Departments	Possible Challenges in Designing and Implementing CIEWS Components	Possible Financing Strategy for Long-Term Sustainability for the CIEWS	Possible Measures and Reforms Required to Support CIEWS O&M and Sustainability
1. Bangladesh	Climate-Resilient Livelihood Improvement and Watershed Management in Chittagong Hill Tracts Sector Project.	1. Landslide Early Warning System 2. Flash flood Early warning System 3. Advisory dissemination mechanism for rural communities	Bangladesh Meteorological Department (BMD), Department of Disaster Management (DDM), Ministry of Disaster Management and Relief (MoDMR) , Ministry of Chittagong Hill Tracts and Affairs	Geographically Challenged Landscape Different ethnic groups with different cultures Lack of evenly distributed sensors location for early warning /spars monitoring stations	<b>MoU with</b> Ministry of Chittagong Hill Tracts and Affairs and incorporate in annual budget	Institutional agreements for better coordination, Formation of proper polices/guidelines, create dedicated budget



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2. Nepal	Priority River Basins Flood Risk Management Project	- blending structural and non-structural measures, developing local infrastructure	Department of Water Resources and Irrigation (DWRI), Ministry of Energy, Water Resources and Irrigation (MoEWRI, DHM, National Disaster Risk Reduction and Management Authority (NDRRMA) / Ministry of Home Affairs (MoHA)	Inter-agency coordination and real-time data-sharing between DWRI (river works), DHM (forecast), and NDRRMA/municipalities (response). Ensuring last-mile connectivity (sirens/SMS coverage), inclusive risk communication, and upkeep of equipment and shelters. Sustained O&M financing for hydromet stations, telemetry, and river training assets; capacity constraints at local level.	Mainstream O&M into MoEWRI/DWRI and DHM recurrent budgets with dedicated budget codes for hydromet/CIEWS assets. Allocate provincial and municipal DRM funds (under Nepal’s DRM framework) for siren maintenance, drills, and community EWS. Telecom partnerships (SLA for priority cell broadcast/SMS); explore small co-financing from local disaster funds for last-mile devices.	MoUs/SOPs for real-time hydromet and gauge data-sharing among DHM, DWRI, NDRRMA, and municipalities; clarify roles from forecast to evacuation. Create dedicated O&M budget lines and multi-year AMCs for hydromet stations, sirens, and ICT platforms within DWRI/DHM and local governments. Institutionalize community-based EWS committees, regular drills, and gender-responsive shelters; integrate CIEWS into municipal land-use and contingency plans



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3. Mongolia	Strengthening Integrated EWS in Mongolia	Hydromet stations, flood forecasting and dissemination system	<ul style="list-style-type: none"> <li>- National Emergency commission</li> <li>- National Agency for Meteorology and Environment Monitoring</li> <li>-National Emergency Agency</li> </ul>	- financial constraints, multi-sector coordination, data sharing	Insurance, PPP	<ul style="list-style-type: none"> <li>- To amend law and Regulation related to the right to make decision</li> <li>- To legalize the government budget allocation for CIEWS development</li> </ul>
4. Maldives	Enhancing Climate Resilient and Food Security	<ul style="list-style-type: none"> <li>- Baseline information available for CIEWS</li> <li>- Tourism industry</li> <li>- EW4All roadmap, MHEWS, IbF</li> </ul>	Ministry of Finance, Ministry of Tourism and Environment, Maldives Meteorological service, Ministry of Agriculture and Animal Welfare,	Geographical dispersion of islands, Location specific weather and climate information due to small islands	Explore GCF, SME based commercial project, Cost recover from commercial usage of service, Government regular budget support	Strengthening O&M capacities, financial mechanisms, community engagement and ownership.

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Tajikistan	Vakhsh River EWS System	6-72H inflow lead time, flood, irrigation	Hydromet, Committee of Emergency Situations, Ministry of Energy and Water Resources	Network gaps, SOPs, O&M	ADB, multi- lateral, MOF	Interagency SOP, Realtime data sharing, procurement, teamwork



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Kazakhstan	National level Monitoring and EWS for mudflows, landslides, avalanches	1. Strengthen EWS  2. Provide real time data	Ministry for emergency Situations,  Kazhydromet	1. Identify prone areas,  2. Installation of sensors in hard to reach areas	Securing stable funding for the operation and maintenance of the system  ADB, state budget	Integration of the system inti national programs on CCA and DRR, development of methodologies





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Turkmenistan	Strengthening national capacity of Turkmenistan in EWS	Strengthening technical and institutional capacity of Hydrometeorology service	Hydrometservice of the Ministry of Environment	Financial sustainability  Low technical capacity of national experts	State budget  Fees for climate information	Policy improvements  EWS should be integrated into plans and programmes



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Uzbekistan	Resilient Amu Darya River Basin Sector Development Program	Resilient Water Resources Management	Ministry of Water Resources of the Republic of Uzbekistan	Sectoral Coordination Data sharing Capacity building	Grant financing Government budget allocation PPPs	Capacity building Establish a coordination group





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Kyrgyz Republic	Project for the Development of sustainable Water and Agriculture Systems in the Kyrgyz Republic	Agriculture, water supply, rural development	Ministry of Agriculture Kyrgyz Republic, Ministry of Ecology and Natural Resources of the Kyrgyz Republic, Ministry of Water Resources of the Kyrgyz Republic	1) Limited financial resources for implementing large infrastructure projects in rural areas. 2) Lack of qualified personnel for the development and implementation of sustainable agricultural practices.	1)Attracting international donors and financial organizations (ADB, WB) to fund the projects. 2) Creating a state subsidy and loan program to support sustainable agriculture practices,	1) Adoption of national strategies for sustainable water resources management and rural development. 2) Reform of the agriculture sector with a focus on sustainable land management practices and water resource management.



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Timor-Leste	1) Climate-Resilient Connectivity Enhancement Project (2025)  2) National Road Networks Upgrading Project-Phase 1 (2025)  3) National Road Networks Upgrading Project-Phase 2 (2026)	<ul style="list-style-type: none"> <li>○ Use climate data to design resilient infrastructure.</li> <li>○Support maintenance planning and emergency response.</li> <li>○Optimize routes and improve system resilience</li> </ul>	Ministry of Public Works/General Directorate of Roads, Bridges, Prevention and Flood Control & coordinating with relevant institutions	<ul style="list-style-type: none"> <li>○There is no adequate expertise support in the CIEWS</li> <li>○Lack of geological data/information-challenges to apply a proper design solutions.</li> </ul>	<ul style="list-style-type: none"> <li>○ Need initial funding and technical support from international funding institutions (ADB, GCF, GEF, etc) for institutional strengthening and project planning/design.</li> <li>○Gradual internal allocation of resources from the Government to continue</li> </ul>	Integration of project planning and implementation with relevant government institutions

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1.Cambodia	Create a platform for real-time access to data that supports climate resilience and sustainable WATER MANAGEMENT, DECEASE, GENDER AND INCLUSION.	<p>OBJECTIVE 1: ENHANCE OPEN DATA GOVERNANCE AND INSTITUTIONAL COORDINATION</p> <p>OBJECTIVE 2: BUILD CAPACITY FOR SUSTAINABLE INFRASTRUCTURE AND GOVERNANCE</p>	MOWRAM, NCDM, HEALTH, MRD AND MOWA	<ul style="list-style-type: none"> <li>• DATA INTEGRATION AND COORDINATION</li> <li>• TECHNICAL CAPACITY OF DATA MANAGEMENT EXPERTS</li> <li>• DATA MANAGEMENT CENTER OF INDIVIDUAL LINE MINISTRY</li> </ul>	<p>Diversified and Long-Term Funding</p> <p>Cost-Benefit Analysis: Demonstrating the economic benefits of CIEWS is crucial for securing long-term funding.</p> <p>Innovative Financing: Explore innovative financing models, such as public-private partnerships, climate risk insurance....</p>	<ul style="list-style-type: none"> <li>• Governance and Policy Reforms (Open Data Policies/DATA SHARING)</li> <li>• Strengthened Institutional Coordination</li> <li>• Participatory and Inclusive Governance</li> <li>• Capacity Development</li> <li>• Technical and Operational Sustainability</li> <li>• Infrastructure Maintenance and Upkeep</li> </ul>



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2. Lao PDR	1.Health sector	1. CLIMATE INFORMATION EWS for Climate sensitive diseases established.	1. MOH, MAE	1. No integrated health, climate and environment data	1. GCF, AF,GEF	1.Data sharing
	2. Social protection	2. Anticipatory Action and Shock response	2. MOLSW, MAE MOF	2. Anticipatory action is not mainstreamed into DRR and climate finance domain; No Social protection system linked to AA/DRR	2. Govt Financing, GEF/GCF, Loss and damage fund SEARIF	2. Data sharing strengthen collaboration



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<b>3. Timor-Leste</b>	Expand Climate Risk Information System for Public Health	1. Respiratory disease 2. Heat stroke 3. Zoonoses (ONE HEALTH)	1. Ministry of Health 2. Met Service 3. NDMO 4. Mun. Authority	1. Data collection 2. Data exchange 3. Regulations 4. Maintenance 5. ICT	1. Public and Private Partnership 2. ADB ADF	1. Government budget M&O 2. Capacity Building





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