

iCARE Innovation Fund

Early Warning and Decision Support System for Energy Infrastructure Resilience in the GBM Basin

Monthly Progress Report

Reporting period: 2024-02

Prepared by Paul Janecek

Date of training

2. Key Achievements

The main achievement of this period is the design and development of mockups and prototypes of the DSS for pilot-testing and feedback. The mockups allow users to interactively navigate through the DSS design. The prototype allows partners to import their local data into the DSS for display as new map layers, only visible to other partners. The new architecture automates the import and tile-generation with Python scripts, and manages GIS data in the open source Geonode/Geoserver platforms.

We are continuing to plan for the on-site project launch / training event in Q2 with the Department of Disaster Management and UNESCAP, which will invite representatives from across 20 Dzongkhags.

3. Implementation Progress

Activity Title	Last Month Progress	Current Month Progress	Activities, and Events, planned for the subsequent month
1.1.1 Prepare Project Inception Report	Resubmitted with corrections	Complete	
1.1.2 Establish Community of Practice with key national and regional stakeholders	Under discussion	Under discussion	Finalise schedule
1.1.3 Gather requirements and priorities from key stakeholders through interviews and virtual study tours / workshops	Under discussion	Draft available, v1	Review draft with stakeholders. Conduct interviews.
1.2.1: Maintain Community of Practice with key national and regional stakeholders	Under discussion	Under discussion	Incorporate capacity building into CoP
1.2.2: Prepare forecast and geospatial data		In progress	Continue preparing data
1.2.3: Iterative design and development of key online use-cases based on stakeholder priorities	Draft available, v1	Draft available, v2	Gather feedback from stakeholders
1.2.4: Pilot-testing with designs and interactive prototypes with select stakeholders		In progress	Conduct pilot-testing

4. Results Framework Indicators Progress

PDO Indicator Description: Government agencies and Citizens who have access to climate-resilient solutions tested under the project (Number)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	0	0	Gov: 3 Sub-national Gov: 12 Cit: 500
Date		31 Dec 2023	29 Feb 2024	
Comments	DSS is under development			
Outcome 1 Indicator Description: -				
Value				
Date				
Comments				
Output 1 Indicator Description: Number of knowledge products provided (by type of product, theme, country)				
Value	0	0	0	6
Date		31 Dec 2023	29 Feb 2024	
Comments	Knowledge products under development			
Output 1 Indicator Description: Number of people trained (in person) (by sex, country, topic, year, participant category)				
Value	0	0	0	48
Date		31 Dec 2023	29 Feb 2024	
Comments	Training under development			
Output 1 Indicator Description: Number of people trained (online) (by sex, country, topic, year, participant category)				
Value	0	0	0	88
Date		31 Dec 2023	29 Feb 2024	
Comments	Training under development			
Output 1 Indicator Description: Number of events supported (by type, year, theme, country)				
Value	0	0	0	53
Date		31 Dec 2023	29 Feb 2024	
Comments	Events being planned			

Output 1 Indicator Description: Number of people participating in supported events				
Value	0	0	0	205
Date		31 Dec 2023	29 Feb 2024	
Comments	Events being planned			

Output 1 Indicator Description: Number of people / organizations provided with knowledge products (by recipient category, type of knowledge product, country, theme)				
Value	0	0	0	People: 500 Org: 371
Date		31 Dec 2023	29 Feb 2024	
Comments	Knowledge products under development			

5. Challenges, Lessons Learned and Way Forward

Our stakeholder has expressed a strong interest in capacity building in disaster-management-related technologies. We are developing a proposal to effectively integrate these priorities into our project work plan (such as in our CoP strategy and Quarterly workshops) and in our DSS platform (such as through code-based tutorials in Jupyter notebooks and video tutorials), and will review the proposal with our stakeholders.

Annexures:

[Annex 1: Design Report Draft, v2](#)

[Annex 2: Gap Analysis Draft, v1](#)

Glossary

Project Title	means	Exact and full name of the project as defined in the Sub Grant Agreement
Project Code	means	A five-digit code assigned by ADPC
Partner Organization	means	The lead agency(ies) responsible for the implementation of the project
Key Achievements	means	The actual outcome or impact of your work, such as reaching a PDO, or outcome or output defined in the final and agreed Results Framework.
Implementation Progress	means	Implementation progress means the steps or actions taken to achieve the PDO or outcomes or outputs. In this case it would be the list of activities defined in the final and approved work plan
Challenges	means	The most significant and persistent areas of risk that affect the project's ability to achieve its objectives. Challenges could be related to managing the Sub Grant, sustaining development gains, coordinating with stakeholders, and implementing core management functions. Please also discuss the solutions to mitigate these risks.
Lessons Learned	means	Lessons learned are contextual or operational information that may affect planning and future performance. They highlight the insights gained from the activity's implementation practices and progress, such as staff feedback, stakeholder interviews, data analysis, and success stories. They also include any changes required by or support requested from ADPC or partners.



Asian Disaster Preparedness Center

SM Tower, 24th Floor, 979/66-70 Paholyothin Road,
Phayathai, Bangkok 10400 Thailand

Tel: +66 2 298 0681-92

Fax: +66 2 298 0012

Email: adpc@adpc.net



www.adpc.net



Asian Disaster Preparedness Center - ADPC



@ADPCnet



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