

iCARE Innovation Fund

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

Monthly Progress Report

Reporting Period (06, 2024)

Prepared by: Paul Janecek

1. Project Information

Project Title:	Early Warning and Decision Support System for Energy Infrastructure Resilience in the GBM Basin
Project Code:	WBCAR
Partner Organisation:	Think Blue Data Co., Ltd.
Reporting Period:	1 June 2024 - 30 June 2024
Date of Submission:	5th July 2024
Contact Name:	Paul Janecek
Contact Position:	CEO, Think Blue Data Co., Ltd.
Contact Email Address:	paul@thinkbluedata.com
Contact Telephone Number:	+66 890177604
Status of project progress in this reporting period	<input type="checkbox"/> Significant delay <input type="checkbox"/> Delay X On Track
Report sign Off	<p>X I have reviewed all the information provided for each section including number of beneficiaries. The information provided for each section of the report is complete.</p> <p>Name: Paul Janecek Designation: Project Lead</p>

2. Key Achievements

The key achievement from the past month has been the successful completion of the capacity development training on Disaster Risk Reduction and Climate Change Adaptation for disaster management officers that was held on 10-14th June in Punakha, Bhutan. Series of workshops were conducted jointly with the Bhutan Ministry of Home Affairs, UNESCAP and Think Blue Data, and served as the launch event for our Early Warning and Decision Support System for Bhutan. This has been a crucial source of key stakeholders feedback. This exposure and evaluation will help shape our product and ensure end user satisfaction.

3. Implementation Progress

Activity Title	Last Month Progress	Current Month Progress	Activities, and Events, planned for the subsequent month
Activity 1.1.1 Prepare Project Inception Report (Dec 2023)	Completed	Completed	N/A
Activity 1.1.2 Establish Community of Practice with key national and regional stakeholders (Dec 2023)	Completed	Completed	N/A
Activity 1.1.3 Gather requirements and priorities from key stakeholders through interviews and virtual study tours / workshops (Jan – Feb 2024)	Completed	Completed <ul style="list-style-type: none"> • Annex 1: Gap Analysis V4 	
Activity 1.2.1: Maintain Community of Practice with key national and regional stakeholders (Jan – Mar 2024)	Completed <ul style="list-style-type: none"> • Gathered inputs from DDM on topics of interest for future CoP events, and identified relevant resources. Next event will be held at the workshop. 	Completed	N/A

Activity Title	Last Month Progress	Current Month Progress	Activities, and Events, planned for the subsequent month
Activity 1.2.2: Prepare forecast and geospatial data (Jan – Mar 2024)	Completed <ul style="list-style-type: none"> • DSS Data Preparation 	Completed <ul style="list-style-type: none"> • DSS Data Preparation 	
Activity 1.2.3: Iterative design and development of key online use-cases based on stakeholder priorities (Feb – Mar 2024)	Completed <ul style="list-style-type: none"> • DSSV1 Design and Implementation Report 	Completed <ul style="list-style-type: none"> • DSSV1 Design and Implementation Report 	
Activity 1.2.4: Pilot-testing with designs and interactive prototypes with select stakeholders (Feb – Mar 2024)	Completed <ul style="list-style-type: none"> • Pilot-testing with hands-on case studies before the workshop. 	Completed <ul style="list-style-type: none"> • Pilot-testing with hands-on case studies with government officials from Bhutan during the workshop. 	
Activity 1.2.5 Workshop 1.0: Launch of DSS for pilot-testing by key stakeholders from government, community, and regional partners (Apr 2024)	Completed <ul style="list-style-type: none"> • Finalised resources, content and hands-on case studies for the workshop. • Finalised the participant list and logistics. In Progress <ul style="list-style-type: none"> • Holding Workshop 	Completed <ul style="list-style-type: none"> • Conducted Workshop June 10-14 in Punakha Bhutan 	

Activity Title	Last Month Progress	Current Month Progress	Activities, and Events, planned for the subsequent month
Activity 1.3.1 Maintain Community of Practice with key national and regional stakeholders (Apr – Jul 2024)	Completed <ul style="list-style-type: none"> Gathered resources and scheduled CoP events at the workshop. 	Completed <ul style="list-style-type: none"> Gathered resources and scheduled CoP events at the workshop. In-Progress <ul style="list-style-type: none"> 	Continue CoP events and planning
Activity 1.3.2 Refine and extend forecast and geospatial data (Apr – Jul 2024)	Completed <ul style="list-style-type: none"> DSS V1 Data Preparation Report In-Progress <ul style="list-style-type: none"> Preparing case studies for the workshop 	Completed <ul style="list-style-type: none"> Prepared case studies for the workshop In-Progress <ul style="list-style-type: none"> 	Gather data for DSS V2
Activity 1.3.3 Iterative design and development of key mobile use-cases based on stakeholder priorities (Apr – Jul 2024)	Completed <ul style="list-style-type: none"> In-Progress <ul style="list-style-type: none"> Gathering requirements for next version of DSS 	Completed <ul style="list-style-type: none"> Gathered requirements/feedbacks from stakeholders during workshop for next version of DSS In-Progress <ul style="list-style-type: none"> Review the collected requirements/feedbacks from stakeholders during workshop 	Implement the changes as per collected feedback.
Activity 1.3.4 Pilot-testing with designs and interactive prototypes with select stakeholders	Completed In-Progress <ul style="list-style-type: none"> Pilot-testing with hands-on case studies before the workshop. 	Completed <ul style="list-style-type: none"> Pilot-testing with hands-on case studies with government officials from Bhutan during the workshop. 	

Activity Title	Last Month Progress	Current Month Progress	Activities, and Events, planned for the subsequent month
(May – Jun 2024)			
Activity 1.3.5 Workshop 1.5: Launch of DSS mobile app and online updates, with training and hands-on sessions for broader community (Jul 2024)	Planned from Jul 2024 onward.	Planned from Jul 2024 onward.	
Activity 1.4.1 Maintain Community of Practice with key national and regional stakeholders (Jul – Sep 2024)	Planned from Jul 2024 onward.	Planned from Jul 2024 onward.	
Activity 1.4.2 Refine and extend forecast and geospatial data (Jul – Sep 2024)	Planned from Jul 2024 onward.	Planned from Jul 2024 onward.	
Activity 1.4.3 Improve design and functionality based on community feedback and priorities, and share with key stakeholders	Planned from Jul 2024 onward.	Planned from Jul 2024 onward.	

Activity Title	Last Month Progress	Current Month Progress	Activities, and Events, planned for the subsequent month
(Jul - Sep 2024)			
Activity 1.4.4 Pilot-testing with designs and interactive prototypes with select stakeholders (Aug - Oct 2024)	Planned from Aug 2024 onward.	Planned from Aug 2024 onward.	
Activity 1.4.5 Workshop 2.0: Launch DSS version 2 with training and hands-on sessions (Oct 2024)	Planned in Oct 2024.	Planned in Oct 2024.	
Activity 1.5.1 Maintain Community of Practice with key national and regional stakeholders (Nov 2024 - Jan 2025)	Planned from Nov 2024 onward	Planned from Nov 2024 onward	
Activity 1.5.2 Refine and update DSS based on community feedback (Nov 2024 - Jan 2025)	Planned from Nov 2024 onward	Planned from Nov 2024 onward	

Activity Title	Last Month Progress	Current Month Progress	Activities, and Events, planned for the subsequent month
Activity 1.5.3 Review effectiveness and implement strategy for sustainability (Jan 2025)	Planned from Jan 2025 onward	Planned from Jan 2025 onward	

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	# of Gov Agencies <i>UNIQUE:</i> Gov: 3 Sub-national Gov: 22 <i>TOTAL (x # 5 sessions):</i> Gov/Natl: 13 Gov/SubNtl: 1 110 # of Citizens Sex/M: 91 Sex/F: 39	Gov: 3 Sub-national Gov: 12 Cit: 500
Date		31 May 2024	30 June 2024	15 Jan 2025
Comments	See Annex 6 Evidence of Indicators			
Output Indicator Description: Number of people trained (in person) (by sex, country, topic, year, participant category)				

Value		0	Sex/M: 91 Sex/F: 39 Country/Bhutan: 130 Topic/Session 1: 26 Topic/Session 2: 26 Topic/Session 3: 26 Topic/Session 4: 26 Topic/Session 5: 26 Year/2024: 130 Cat/Gov/Natl: 20 Cat/Gov/SubNtl: 110	48
Date		31 May 2024	30 June 2024	15 Jan 2025
Comments		Series of workshops conducted in Bhutan		
Output Indicator Description: Number of people trained (online) (by sex, country, topic, year, participant category)				
Value		0	0	88
Date		31 May 2024	30 June 2024	15 Jan 2025
Comments		Training under development		
Output Indicator Description: Number of knowledge products provided (by type of product, theme, country)				
Value		3	Type/Software: 5 Type/Presentation: 14 Theme/Session 1: 3 Theme/Session 2: 1 Theme/Session 3: 6 Theme/Session 4: 2 Theme/Session 5: 2 Theme/SW Training: 5 Country/Bhutan: 19	6

Date		31 May 2024	30 June 2024	15 Jan 2025
Comments		Knowledge Products distributed during the workshop series in Bhutan		
Output Indicator Description: Number of people / organizations provided with knowledge products (by recipient category, type of knowledge product, country, theme)				
Value		0	# of People / Organizations 494/467 /Cat/Gov/Natl: 76/49 /Cat/Gov/Subnatl: 418/418 /Type/Software: 130/123 /Type/Presentation: 364/344 /Theme/Bhutan: 494/467 /Theme/Session 1: 78/69 /Theme/Session 2: 26/25 /Theme/Session 3: 156/150 /Theme/Session 4: 52/50 /Theme/Session 5: 52/50 /Theme/SW: 130/123	People: 500 Organisation: 64
Date		31 May 2024	30 June 2024	15 Jan 2025
Comments		Will share Knowledge Products at workshop in June		
Output Indicator Description: Number of events supported (by type, year, theme, country)				
Value	1	0	Type/Workshop: 5 Type/Training: 7 Type/AAR: 5 Year/2024: 17 Theme/Session 1: 2 Theme/Session 2: 2 Theme/Session 3: 2 Theme/Session 4: 2 Theme/Session 5: 2	53

			Theme/SW Training: 7 Country/Bhutan: 17	
Date		31 May 2024	30 June 2024	15 Jan 2025
Comments		Series of workshops was held in June		
Output Indicator Description: Number of people participating in supported events (by participant category, sex, year, theme, country)				
Value	23	0	Sex/M: 310 Sex/F: 132 Country/Bhutan: 442 Topic/Session 1: 52 Topic/Session 2: 52 Topic/Session 3: 52 Topic/Session 4: 52 Topic/Session 5: 52 Topic/Software Training: 182 Year/2024: 442 Cat/Gov/Natl: 68 Cat/Gov/SubNtl: 374	205
Date		31 May 2024	30 June 2024	15 Jan 2025
Comments		Participants attended series of workshops in Bhutan		

5 4. Challenges, Lessons Learned and Way Forward

Challenges

Planning and preparing for a multi day training session has been challenging. Coordinating with various stakeholders, finalising the agenda items, identifying resource persons for different topics, arrangement of the logistics, planning of the financial aspects etc. has taken up a lot of time and effort. Given that this training took place in Bhutan, where our company lacks a presence, we had to rely on the support of local resource persons. We are extremely grateful for all their help in the successful completion of all 5 workshops.

During the training sessions, we encountered some technical issues. The venue's microphones were non-functional, so we had to depend on laptop and mobile speakers, particularly for online sessions. Additionally, the internet connection posed problems since all participants were using the same WiFi, which caused difficulties when presenting online content and during some online sessions. Furthermore, there were occasional connection issues on the remote presenters' side.

Lessons Learned

Over the past month, we have gained insight into the extensive planning required for conducting an onsite training session. This has highlighted the numerous logistical considerations, resource allocation, and coordination efforts needed to ensure smooth execution of the training.


Regarding the training sessions, we have gained understanding on structuring the sessions and determining optimal pace of the training to ensure better absorption from the participants. The hands-on and group activities were the most engaging, clearly demonstrating high levels of enthusiasm and eagerness to learn.


These learning will help to conduct much smoother and effective workshops in the future.


Way Forward

These 5 workshops have provided an excellent opportunity to introduce our portal to the disaster management officers, the actual end users. We believe it has been a crucial source of key stakeholders feedback. This exposure and evaluation will help shape our product and ensure end user satisfaction. Based on the feedback we have received and the insights we have gained, we will refocus our development efforts accordingly.


Annexures:


Annex 1:  A1 Gap analysis Report_V5.docx.pdf

Annex 2:  A2 Design and Implementation Report.docx.pdf

Annex 3:  A3 Forecast and geospatial data.docx.pdf

Annex 4:  Pilot Testing Results.pdf

Annex 5:  Capacity Building Training Report_June 2024.pdf

Annex 6:  Annex. Evidence of Indicators.xlsx

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.



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