

iCARE Innovation Fund

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

Monthly Progress Report

Reporting Period *(17 Sept, 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 Aug 2024 - 31 Aug 2024
Date of Submission:	17th Sept 2024
Contact Name:	Paul Janecek
Contact Position:	CEO, Think Blue Data Co., Ltd.
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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	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. Name: Paul Janecek Designation: Project Lead

2. Key Achievements

The key achievement from the past month has been adding new features to the Portal through the integration of social and video conferencing platforms into the portal. These developments are designed to offer a sustainable and scalable solution for the Community of Practice, enhancing collaboration, communication, and knowledge sharing among stakeholders.

Another key achievement is that we now have set up separate development and production servers. Production server hosts the well tested complete features while the development server hosts the in progress work.

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	
Activity 1.2.1: Maintain Community of Practice with key national and regional stakeholders	Completed	Completed	N/A

(Jan – Mar 2024)			
Activity 1.2.2: Prepare forecast and geospatial data (Jan – Mar 2024)	Completed • DSS Data Preparation	Completed • DSS Data Preparation	
Activity 1.2.3: Iterative design and development of key online use-cases based on stakeholder priorities (Feb – Mar 2024)	Completed • DSSV1 Design and Implementation Report	Completed • Annex 1: DSSV1 Design and Implementation Report	
Activity 1.2.4: Pilot-testing with designs and interactive prototypes with select stakeholders (Feb – Mar 2024)	Completed • Pilot-testing Report	Completed •	

<p>Activity 1.2.5 Workshop 1.0: Launch of DSS for pilot-testing by key stakeholders from government, community, and regional partners</p> <p>(Apr 2024)</p>	<p>Completed</p> <ul style="list-style-type: none"> • Workshop Report 	<p>Completed</p>	
<p>Activity 1.3.1 Maintain Community of Practice with key national and regional stakeholders</p> <p>(Apr – Jul 2024)</p>	<p>Completed</p> <ul style="list-style-type: none"> • Planning for future CoP activities 	<p>Completed</p> <ul style="list-style-type: none"> • <p>In-Progress</p> <ul style="list-style-type: none"> • Integration of Open Social and BigBlueButton • Planning for an onlin training session 	<p>Continue CoP events and planning</p>
<p>Activity 1.3.2 Refine and extend forecast and geospatial data</p> <p>(Apr – Jul 2024)</p>	<p>Completed</p> <ul style="list-style-type: none"> • Annex 2: Forecast and Geospatial Data Report 	<p>Completed</p> <ul style="list-style-type: none"> • <p>In-Progress</p> <ul style="list-style-type: none"> • 	<p>Gather data for DSS V2</p>
<p>Activity 1.3.3 Iterative design and development of key mobile use-cases based on stakeholder priorities</p> <p>(Apr – Jul 2024)</p>	<p>Completed</p> <ul style="list-style-type: none"> • Reviewed the collected requirements/feedbacks from stakeholders during workshop 	<p>Completed</p> <ul style="list-style-type: none"> • Improvements made to the portal based on feedbacks received in June workshop 	<p>Implement the changes as per collected feedback.</p>

<p>Activity 1.3.4 Pilot-testing with designs and interactive prototypes with select stakeholders</p> <p>(May – Jun 2024)</p>	<ul style="list-style-type: none"> • Completed • Pilot-testing report 	<p>Completed</p> <ul style="list-style-type: none"> • 	
<p>Activity 1.3.5 Workshop 1.5: Launch of DSS mobile app and online updates, with training and hands-on sessions for broader community</p> <p>(Jul 2024)</p>	<ul style="list-style-type: none"> • Planning for an online workshop. 	<p>In Progress</p> <ul style="list-style-type: none"> • Planning for an online workshop. 	
<p>Activity 1.4.1 Maintain Community of Practice with key national and regional stakeholders</p> <p>(Jul – Sep 2024)</p>	<p>Completed</p> <ul style="list-style-type: none"> • CoP Strategy Report <p>In Progress</p> <ul style="list-style-type: none"> • Planning to Setup Open Social and BBB for CoP 	<p>Completed</p> <ul style="list-style-type: none"> • <p>In Progress</p> <ul style="list-style-type: none"> • Integrating Open Social and BBB for CoP 	
<p>Activity 1.4.2 Refine and extend forecast and geospatial data</p> <p>(Jul – Sep 2024)</p>	<p>Completed</p> <ul style="list-style-type: none"> • DSS Data Preparation 	<p>Completed</p> <ul style="list-style-type: none"> • 	

<p>Activity 1.4.3 Improve design and functionality based on community feedback and priorities, and share with key stakeholders</p> <p>(Jul - Sep 2024)</p>	<p>Completed</p> <ul style="list-style-type: none"> • DSSV1 Design and Implementation Report 	<p>Completed</p> <ul style="list-style-type: none"> • 	
<p>Activity 1.4.4 Pilot-testing with designs and interactive prototypes with select stakeholders</p> <p>(Aug - Oct 2024)</p>	<p>Planned from Aug 2024 onward.</p>	<p>Planned from Aug 2024 onward.</p>	
<p>Activity 1.4.5 Workshop 2.0: Launch DSS version 2 with training and hands-on sessions</p> <p>(Oct 2024)</p>	<p>Planned in Oct 2024.</p>	<p>Planned in Oct 2024.</p>	
<p>Activity 1.5.1 Maintain Community of Practice with key national and regional stakeholders</p> <p>(Nov 2024 - Jan 2025)</p>	<p>Planned from Nov 2024 onward</p>	<p>Planned from Nov 2024 onward</p>	

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 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		# 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	0	Gov: 3 Sub-national Gov: 12 Cit: 500
Date		31 July 2024	31 August 2024	15 Jan 2025

Comments	See Annex 3 Evidence of Indicators			
Output Indicator Description: Number of people trained (in person) (by sex, country, topic, year, participant category)				
Value		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	0	48
Date		31 July 2024	31 August 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 July 2024	31 August 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	0	6

		Theme/Session 5: 2 Theme/SW Training: 5 Country/Bhutan: 19		
Date		31 July 2024	31 August 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		# of People / Organizations 494/467 /Cat/Gov/Natl: 76/49 /Cat/Gov/Subnatl: 418/418 /Type/Software: 130/123 /Type/Presentation: 364/344 /Country/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	0	People: 500 Organisation: 64
Date		31 July 2024	31 August 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	Type/Workshop: 5 Type/Training: 7 Type/AAR: 5 Year/2024: 17 Theme/Session 1: 2	0	53

		Theme/Session 2: 2 Theme/Session 3: 2 Theme/Session 4: 2 Theme/Session 5: 2 Theme/SW Training: 7 Country/Bhutan: 17		
Date		31 July 2024	31 August 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	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	0	205
Date		31 July 2024	31 August 2024	15 Jan 2025
Comments		Participants attended series of workshops in Bhutan		

5. Challenges, Lessons Learned and Way Forward

Challenges

A recent challenge we faced was preparing for a visit to Bhutan on very short notice from ADPC. Typically, it takes around two weeks to obtain the government's invitation letter and secure a visa, but this time we had only about a week to manage everything. Thankfully, our contact at DLGDM was instrumental in speeding up the process, ensuring that everything was arranged in time.

Lessons Learned

Continue to communicate with all stakeholders.

Way Forward

We plan to conduct a two-day workshop to train the dzongkhag disaster managers on the latest version of the Portal. In the coming months, we will focus on CoP activities following the details outlined in our CoP strategy report. Additionally,

Annexures:

Annex 1: [DSS V1 Design and Implementation Report](#)

Annex 2: [DSS V1 Forecast and Geospatial Data Report](#)

Annex 3: [Evidence of Indicators](#)

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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