

## iCARE Innovation Fund

# Climate Resilient Infrastructure for Social Transformation and Adaptation (CRISTA) – 2.0

## Monthly Progress Report

Prepared by: Asian Institute of Technology (AIT)

**Reporting period: January 2024**

# 1. Project Information

<b>Project Title:</b>	Climate Resilient Infrastructure for Social Transformation and Adaptation (CRISTA) – 2.0
<b>Project Code:</b>	A-05177-WBCAR
<b>Partner Organisation:</b>	Asian Institute of Technology (AIT)
<b>Reporting Period:</b>	15 December 2023 - 31 January 2024
<b>Date of Submission:</b>	2 February 2024
<b>Contact Name:</b>	Dr. Indrajit Pal
<b>Contact Position:</b>	Project Lead
<b>Contact Email Address:</b>	indrajit-pal@ait.ac.th
<b>Contact Telephone Number:</b>	
<b>Status of project progress in this reporting period</b>	<input type="checkbox"/> Significant delay <input type="checkbox"/> Delay <input checked="" type="checkbox"/> On Track
<b>Report sign Off</b>	<p><input checked="" type="checkbox"/> I have reviewed all the information provided for each section including the number of beneficiaries. The information provided for each section of the report is complete.</p> <p>Name: Dr. Indrajit Pal                      Designation: Project Lead</p>

## 2. Key Achievements

- AIT has formalized a working partnership with local implementing partners through the establishment of a Memorandum of Agreement (MoA). Furthermore, AIT has secured endorsement from the municipal governments of Neelkantha, Benighat Rorang, and Gajuri. The endorsements are evidence of their collective support for the project and highlight the project's importance to their strategic intentions in regard to climate adaptation and critical infrastructure management.
- The project team has successfully completed one inception workshop in Nepal. The workshop facilitated a shared understanding of the project activities and outcomes among stakeholders and target beneficiaries. It also laid the groundwork for collective collaboration and cooperation to enhance the effectiveness and impact of future project activities. A total of 59 participants attended the workshop.
- A series of consultation meetings were conducted with diverse participants to develop a baseline understanding of the needs and challenges faced by local stakeholders and how the project can help address them. It was attended by local government officials, infrastructure operators at the district level, first responders from the Armed Police Force, and community members from the project area.
- The baseline study also included a stakeholder mapping exercise which identified key stakeholders and boundary partners who will be engaged at various phases of the project implementation. The mapping informed the project team of stakeholders' overall outlook on the project activities and goals; and how they can contribute to the success of the project implementation.

### 3. Implementation Progress

Activity Title	Last Month Progress	Current Month Progress	Activities, and Events, planned for the subsequent month
Activity 1.1.1: Conduct a Memorandum of Agreement with project local government and concerned authorities	-	MoA signed with local implementation partner in Dhading, Nepal for coordinating field activities Endorsement received from three project municipalities (Neelkantha, Benighat Rorang and Gajuri) as support of the project objectives and outcomes.	- Activity is completed.
Activity 1.1.2: Conduct baseline study of project areas and boundary partners	-	Baseline study is being conducted in project implementation areas. Some components of the study (stakeholder mapping) have been reported in the Inception Report.	Analyse baseline data and information for planning in database generation activities and inclusion in First Output Report
Activity 1.1.3: Conduct inception workshop to identify needs and capacity	-	One-day inception workshop held in project implementation area to consult with key stakeholders regarding project objectives and outcomes.	- Activity is completed.
Activity 2.1.1: Conduct field survey and mapping of climate hazards and critical infrastructure in project area	-	Preliminary field survey and mapping planning has begun with identification of data requirements, availability of existing data and digital survey tools/equipment.	TOR development, selection and procurement of consulting services for the commencement of field survey and mapping.
Activity 2.1.2: Conduct climate vulnerability and risk assessment for critical infrastructure systems in the project area	-	Discussions have begun regarding research design and conceptual framework for climate vulnerability and risk assessment.	The project team shall begin collecting relevant data and conduct preliminary analysis to generate a climate vulnerability and risk assessments of critical road and power infrastructure

			systems in the project areas
Activity 2.1.3: Generate web-based GIS database and integrate baseline information and maps	-	Data requirements for GIS database generation have been identified. Collection of secondary data from open-source platforms has begun.	Data collection and input will continue for the database generation.
Activity 2.1.4: Upgrade CRISTA dashboard, user interface and mobile application including field testing	-	Preliminary structure of CRISTA system has been developed. Enquired availability of several consulting firms for the task.	Development of TOR for procurement of consulting services for the dashboard and mobile application development.
Activity 3.1.1: Establishment of CRISTA-2.0 monitoring system in local governments and integration with existing ICT systems	-	Information on existing ICT equipment, personnel and mechanism is being collected as part of baseline study.	The collected information will be analysed for planning the ICT deployment mechanism.
Activity 3.1.2: Development of SOP for CRISTA system	-		
Activity 3.1.3: TOT to technical officers of project area local governments on use of CRISTA system	-	Number of technical officers in the project municipalities is being collected as part of the baseline study report. This information will be used to plan the training events.	
Activity 3.2.1: Develop and produce IEC materials for public awareness on CRISTA system application	-		Content planning for IEC material development.

Activity 3.2.2: Community level training program for incident reporting by general public	-		
Activity 4.1.1: Prepare CRISTA 2.0 knowledge products and visual documentation	-		
Activity 4.1.2: Conduct a project completion and lesson sharing workshop at regional or national level and report project achievements	-		

## 4. Results Framework Indicators Progress

PDO Indicator Description (Impact Indicator): Government agencies and Citizens who have access to climate-resilient solutions tested under the project				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0	0	0	305
Date	20 Jan 24	e.g 31 Dec 2023	e.g 31 Jan 2024	
Comments				
<b>Outcome 1 Indicator Description:</b> Number of people participating in supported events (by participant category, sex, year, theme, country)				
Value	N/A	N/A	59	30
Date	20 Jan 24	15 Dec 2023	31 Jan 2024	31 Jan 2024
Comments	Target has been achieved. Target beneficiaries participated in CRISTA 2.0 Inception workshop in the project area. <i>Disaggregation of participants is placed in Annex 1.</i>			
<b>Output 1.1 Indicator Description:</b> Number of endorsement letters received from government agencies for the implementation of project/development of solution.				
Value	N/A	N/A	3	3
Date	20 Jan 24	15 Dec 2023	31 Jan 2024	31 Jan 2024
Comments	Endorsement letters have been received from the three project municipalities.			
<b>Outcome 2 Indicator Description:</b> Number of knowledge products provided (by type of product, theme, country)				
Value	0	0	0	10
Date	20 Jan 24	15 Dec 2023	31 Jan 2024	31 July 2024
Comments				
<b>Outcome 3 Indicator Description:</b> Number of incident reports generated by the system (infrastructure, location, hazard, level of damage)				
Value	0	0	0	300
Date	20 Jan 24	15 Dec 2023	31 Jan 2024	31 Dec 2024
Comments				

<b>Output 3.1 Indicator Description:</b> Number of people trained (in person) (by sex, country, topic, year, participant category)				
Value	0	0	0	30
Date	20 Jan 24	15 Dec 2023	31 Jan 2024	31 Oct 2024
Comments				
<b>Output 3.2 Indicator Description:</b> Number of people trained (in person) (by sex, country, topic, year, participant category)				
Value	0	0	0	200
Date	20 Jan 24	15 Dec 2023	31 Jan 2024	31 Dec 2024
Comments				
<b>Outcome 4 Indicator Description:</b> Number of events supported (by type, year, theme, country)				
Value	N/A	N/A	1	23
Date	20 Jan 24	15 Dec 2023	31 Jan 2024	31 Feb 2025
Comments			Implementation of Inception Workshop as a platform for awareness	
<b>Outcome 4 Indicator Description:</b> Number of people participating in supported events (by participant category, sex, year, theme, country)				
Value	N/A	N/A	N/A	470
Date	20 Jan 24	15 Dec 2023	31 Jan 2024	31Feb 2025
Comments				
<b>Output 4.1 Indicator Description:</b> Number of knowledge products provided (by type of product, theme, country)				
Value	N/A	N/A	N/A	8
Date	20 Jan 24	15 Dec 2023	31 Jan 2024	31 Dec 2024
Comments				
<b>Output 4.1 Indicator Description:</b> Number of people / organizations provided with knowledge products (by recipient category, type of knowledge product, country, theme)				
Value	N/A	N/A	N/A	620



Date	20 Jan 24	15 Dec 2023	31 Jan 2024	31 Dec 2024
Comments				

## 5. Challenges, Lessons Learned and Way Forward

Challenges	Lessons Learned	Way Forward
<p>1. The team faced challenges when organizing the inception workshop in relation to the availability and scheduling conflicts of municipal government officials.</p>	<p>1. Scheduling conflicts are commonly found when engaging with local governments. One way to address this would be to issue invitations earlier to secure their participation.</p>	<p>1. The team will continue its close engagement with the local government officials to maintain a positive level of collaboration for future activities.</p>
<p>2. Travel time within the project areas were delayed due to disruptions to the road network caused by several factors, such as road quality, ongoing expansion and maintenance, and road hazards.</p>	<p>2. Field activities (survey, training, community engagement) must be planned carefully and in consideration of the existing issues found in the road networks.</p>	<p>2. The project team will carefully consider local contexts, including road accessibility and transportation services to ensure efficient implementation of field activities as well as safety of the personnel involved.</p>

## Annexures:

### Annex 1: Disaggregation of Participants in Supported Events

SN	Event Title	Type	Date	Theme	Country	Number of Participants						Objectives	Outcome
						Male	Female	Govt. Official	Elected Repres.	Comm. People	Total		
1	Inception Workshop	In-Person	12 Jan 2024	Inception/Project Description	Nepal	31	28	35	5	19	59	To notify key stakeholders in project implementation areas regarding CRISTA 2.0 project objectives, activities and intended outcomes and seek consent, feedback and recommendations for project implementation.	The workshop participants acknowledged the need of the solution to enhance their critical infrastructure management system and report climate-induced hazard damages. Endorsements were received from the project municipality following the workshop.

# Glossary

<b>Project Title</b>	means	Exact and full name of the project as defined in the Sub Grant Agreement
<b>Project Code</b>	means	A five-digit code assigned by ADPC
<b>Partner Organization</b>	means	The lead agency(ies) responsible for the implementation of the project
<b>Key Achievements</b>	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.
<b>Implementation Progress</b>	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
<b>Challenges</b>	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.
<b>Lessons Learned</b>	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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