

iCARE Innovation Fund

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

Monthly Progress Report

Reporting Period (08, 2024)

Prepared by: Asian Institute of Technology (AIT)

1. Project Information

Project Title:	Climate Resilient Infrastructure for Social Transformation and Adaptation (CRISTA) – 2.0
Project Code:	WBCAR
Partner Organisation:	Asian Institute of Technology
Reporting Period:	1 – 31 August 2024
Date of Submission:	5 September 2024
Contact Name:	Dr. Indrajit Pal
Contact Position:	Project Lead
Contact Email Address:	indrajit-pal@ait.ac.th
Contact Telephone Number:	
Status of project progress in this reporting period	<input type="checkbox"/> Significant delay <input type="checkbox"/> Delay <input checked="" type="checkbox"/> On Track
Report sign Off	<input checked="" type="checkbox"/> 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: Dr. Indrajit Pal Designation: Project Lead

2. Key Achievements

- **The CRISTA system is now available for the public!!** In August 2024, the CRISTA mobile application was approved through Google Play certification process and is now available for public download in Google Play Store. The application can be downloaded from this link: <https://play.google.com/store/apps/details?id=com.crista.g.production>
The is also live, both for the government authorities and the public. Like the CRISTA application, public users can view 'verified' incident reports on the CRISTA dashboard without log-in. On the other hand, government authorities will have access to the detailed dashboard, including data management and analytics features. The dashboard can be accessed through this link: https://crista-world.org/dashboard?infrastructure_type=all&date_range=7_days
- The project has finalized the community training, awareness and government authority capacity building plans to disseminate the CRISTA system to the end-users. User manuals and guidelines have been prepared for both the application and web-dashboard that will be utilized in training the target beneficiaries. In addition, application user guides have also been prepared in Nepali and English to facilitate the training/awareness programs.

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 (Dec 2023 - Jan 2024)	<i>Completed</i>	<i>Completed</i>	N/A <i>This activity is completed.</i>
Activity 1.1.2: Conduct baseline study of project areas and boundary partners (Dec 2023 - Jan 2024)	<i>Completed</i>	<i>Completed</i>	N/A <i>This activity is completed.</i>
Activity 1.1.3: Conduct inception workshop to identify needs and capacity (Jan 2024)	<i>Completed</i>	<i>Completed</i>	N/A <i>This activity is completed.</i>
Activity 2.1.1: Conduct field survey and mapping of climate hazards and critical infrastructure in project area (Jan 2024 - Mar 2024)	<i>Completed</i>	<i>Completed</i>	N/A <i>This activity is completed</i>
Activity 2.1.2: Conduct climate vulnerability and risk assessment for critical infrastructure	<i>Completed</i>	<i>Completed</i>	N/A <i>This activity is completed.</i>

systems (CIS) in the project area (Feb 2024 - May 2024)			
Activity 2.1.3: Generate web-based GIS database and integrate baseline information and maps (April 2024 - May 2024)	<i>Completed</i>	<i>Completed</i>	<i>N/A This activity is completed.</i>
Activity 2.1.4: Upgrade CRISTA dashboard, user interface and mobile application including field testing (April 2024 - July 2024)		<p>Completed</p> <p>The CRISTA system (mobile app and dashboard) has successfully passed testing and verification phases. Both the dashboard and app are now active, live, and available to the general public via Google Play Store.</p> <p>Developed the following knowledge products for the CRISTA system,</p> <ul style="list-style-type: none"> - User Manual (Application) - User Manual (Web Dashboard) - GIS Database Management Guideline 	<i>N/A This activity is completed.</i>
Activity 3.1.1: Establishment of CRISTA-2.0 monitoring system in	N/A	<p>In Progress</p> <ul style="list-style-type: none"> - CRISTA System integration has begun 	- System integration will be formalized.

local governments and integration with existing ICT systems (July 2024 - Aug 2024)		<ul style="list-style-type: none"> - User access framework has been prepared. for the municipalities. - Stakeholder meetings have been conducted in selected municipalities to demonstrate the CRISTA system 	
Activity 3.1.2: Development of SOP for CRISTA system (Aug 2024 - Sept 2024)	N/A	In Progress <ul style="list-style-type: none"> - Stakeholder consultations were conducted to discuss the framework and development process for CRISTA SOP. 	<ul style="list-style-type: none"> - CRISTA SOPs will be drafted in close coordination with the project municipalities.
Activity 3.1.3: TOT to technical officers of project area local governments on use of CRISTA system (Sept 2024 - Oct 2024)		In Progress <ul style="list-style-type: none"> - Preparing roster of technical officers in project municipalities for implementation of trainings - CRISTA User Manuals and associated training materials have been developed. 	Implement training programs for technical officers in the project municipalities.
Activity 3.2.1: Develop and produce IEC materials for public awareness on CRISTA system application		In Progress <ul style="list-style-type: none"> - Brief instructional flyers targeted to general users of the CRISTA app have been developed to support future 	<ul style="list-style-type: none"> - Training, awareness and promotional materials will be finalized for community training and technical officer

(Oct 2024 - Nov 2024)		community trainings and awareness.	training for the use of the CRISTA system
Activity 3.2.2: Community level training program for incident reporting by general public (Nov 2024 - Dec 2024)		In Progress - Community training/awareness activity planning has been done. - Application user manual and instruction flyers have been developed to facilitate community training/awareness activities	- The community training programs will be conducted in the three project municipalities.
Activity 4.1.1: Prepare CRISTA 2.0 knowledge products and visual documentation (Nov 2024 - Dec 2024)	N/A	In Progress - Initiated a draft of case story on climate-induced damages and disruptions on road infrastructure in Nepal and potential application of CRISTA system	- Communication materials will be prepared for the iCARE National Workshop in Nepal. - The case story will be completed and submitted for publication in a notable international/national open platform.
Activity 4.1.2: Conduct a project completion and lesson sharing workshop at regional or national level and report project achievements	- Planned in Dec 2024	- Planned in Dec 2024	Planning for iCARE Field Mission to Nepal and National Workshop to be held in September 2024.

(Dec 2024 - Jan 2025)			
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4. Results Framework Indicators Progress

PDO Indicator Description: 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	Government Agencies: 5 Citizens: 300 Total: 305
Date	20 Jan 24	31 July 2024	31 August 2024	31 Dec 2024
Comments	Local governments and communities' ability to monitor climate-induced hazards on critical infrastructure systems in real-time is enhanced, improving their response capacity and contributing to improved climate adaptation through infrastructure resilience in Nepal.			
Outcome 1 Indicator Description: Number of people participating in supported events (by participant category, sex, year, theme, country)				
Value	N/A	N/A	59	59
Date	20 Jan 24	31 July 2024	31 August 2024	31 Jan 2024
Comments	Outcome 1 has been completed.			
Output 1.1 Indicator Description: Number of endorsement letters received from government agencies for the implementation of project/development of solution.				
Value	N/A	3	3	3
Date	20 Jan 24	31 July 2024	31 August 2024	31 May 2024
Comments	Output 1.1 has been achieved.			
Outcome 2 Indicator Description: Number of knowledge products provided (by type of product, theme, country)				
Value	0	6	9	10
Date	20 Jan 24	31 July 2024	31 August 2024	31 October 2024
Comments	- Three new CRISTA system knowledge products have been developed			

	(i) CRISTA Application User Manual (ii) CRISTA Dashboard User Manual (iii) CRISTA GIS Database Management Guide			
Outcome 3 Indicator Description: Number of incident reports generated by the system (infrastructure, location, hazard, level of damage)				
Value	0	0	0	300
Date	20 Jan 24	31 July 2024	31 August 2024	31 Dec 2024
Comments				
Output 3.1 Indicator Description: Number of people trained (in person) (by sex, country, topic, year, participant category)				
Value	0	0	0	30
Date	20 Jan 24	31 July 2024	31 August 2024	31 Oct 2024
Comments				
Output 3.2 Indicator Description: Number of people trained (in person) (by sex, country, topic, year, participant category)				
Value	0	0	0	200
Date	20 Jan 24	31 July 2024	31 August 2024	31 Dec 2024
Comments				
Outcome 4 Indicator Description: Number of events supported (by type, year, theme, country)				
Value	0	10	14	23
Date	20 Jan 24	31 July 2024	31 August 2024	28 Feb 2025
Comments				
Outcome 4 Indicator Description: Number of people participating in supported events (by participant category, sex, year, theme, country)				

Value	0	271	278	470
Date	20 Jan 24	31 July 2024	31 August 2024	28 Feb 2025
Comments				
Output 4.1 Indicator Description: Number of knowledge products provided (by type of product, theme, country)				
Value	0	7	9	8
Date	20 Jan 24	31 July 2024	31 August 2024	31 Dec 2024
Comments	- One community training/awareness flyer has been prepared in Nepali/English on installation and usage of the CRISTA mobile application			
Output 4.1 Indicator Description: Number of people / organizations provided with knowledge products (by recipient category, type of knowledge product, country, theme)				
Value	0	271	272	620
Date	20 Jan 24	31 July 2024	31 August 2024	31 Dec 2024
Comments				

5. Challenges, Lessons Learned and Way Forward

Challenges	Lessons Learned	Way Forward
None	None	None

6. Annexes

Table: List of CRISTA knowledge products developed in August 2024

SN	Description	Type of Product	Language	Date	Target Audience	Link
1	CRISTA App Instructions Flyer	Flyer	English	28 Aug 2024	General Public	Link
2	CRISTA App Instructions Flyer	Flyer	Nepali	28 Aug 2024	Community People	Link

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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