

UN CTCN Partnership and Liaison Office 2025 Regional Capacity Building Program: Asia

Summary Note

Climate Finance in Asia: Data and AI for Climate Resilience

Date & Venue: 2-3 September 2025, FKI Tower, Republic of Korea

Hosting country: Republic of Korea

Background and purpose: As noted in paragraph 9 of decision 14/CMA.5, adopted at COP28, the insufficient transfer and deployment of technology in developing countries underscores the need for synergistic action among key stakeholders in climate technology and finance. Achieving Technology Readiness Levels (TRLs) 7 to 9 is crucial for continuous incremental improvements in climate technologies, which require substantial investment for commercialization and large-scale deployment.

At COP29, Parties agreed on a revised climate finance target under the New Collective Quantified Goal (NCQG), aiming to mobilize at least \$1.3 trillion per year by 2030. This replaces the \$100 billion annual climate finance goal, which is set to expire in 2025, and emphasizes the importance of transparent, equitable finance flows that align with the needs of developing countries. Additionally, the Triple Agenda adopted by the G20 Multilateral Development Banks (MDBs) highlights the role of larger MDBs in mobilizing financial resources. Section IV of the agenda calls for MDBs to triple their sustainable annual commitments to around \$390 billion, with \$300 billion allocated to non-concessional lending, ensuring that developing countries have access to affordable finance.

Recognizing the pivotal role of digital technologies in climate resilience, the World Bank is increasingly supporting digital solutions for early warning systems, disaster risk management, precision agriculture, and data-driven policy making. For instance, data sharing and digital public infrastructure are enabling better climate-informed planning and service delivery across sectors. Through its work with global partnerships, the Bank is helping countries deploy innovative, scalable, and inclusive climate-smart investments. Looking ahead, the institution aims to mobilize \$200 billion in climate finance and scale up co-benefits between digital transformation and climate resilience, as part of its evolving mission to create a world free of poverty on a liveable planet.

In response to the Asian NDEs' need to overcome financial challenges, this program has been developed to facilitate communication between the NDEs and prospective funding entities regarding ongoing climate projects.

Climate Technology Centre and Network, Partnership and Liaison Office

32nd Floor, G-Tower, 175, Art center-daero, Yeonsu-gu, Incheon

<http://www.ctc-n.org>. Email: ctcn@un.org

Inquiries related to this document, email: Jeawon.kim@un.org

Participants: 19 NDEs and their representatives participated (see Annex I for a full list and III for group photos). The program engaged 5 financial entities/MDBs/future donors, 9 international and national technical experts on data and finance, and 6 key local, regional, and global emerging network members (see Annex II for the detailed agenda).

Approaches and activities: Centring system-thinking and multi-stakeholder engagement, three key activities were planned to achieve the following objectives:

1. **Enhance understanding of climate finance architecture** and key actors, including international, regional, and private sector financing entities.
2. **Strengthen NDEs' ability to link climate technologies with financing mechanisms**, using real-world case studies and interactive project design exercises.
3. **Build capacity to evaluate and improve technical assistance (TA) requests**, with a focus on stakeholder engagement, financial scale-up, and social return on investment.

A five-step co-creation process was applied using three sequential methods: information distribution, field visit, and participatory. Detailed steps taken are available from page 3 onwards.

Actionable follow-up items:

For NDEs:

- Consider applying a climate narrative and ToC in future TA requests
- Practice stakeholder matrix, consider Modality 1 logistical support scheme
- Revisit SROI

For Network members (prospective and existing):

- Join CTC Network membership
- Follow up with TA ideas generated, in close consultation with NDEs

For CTCN:

- Follow-up on multi-country projects ideated through participatory sessions
- Develop a capacity-building program for national stakeholder engagement in Asia
- Connect network members to the CTC Network membership

Methodology: 5-step co-creation process

Table 1 illustrates all sub-activities and expected outputs of the process undertaken.

Table 1

Process	Methods Applied	Program Activities	Outputs	
1. Planning	Co-creating scalable climate technology TA projects	Segmentation	Identification of potential groups with similar sectoral/technological needs and emerging technologies from the region	
2. Sensitizing		Though-provoking	Introduction to climate finance projects, ongoing multi-country TA status, concept of impact, modalities for financing, and emerging technologies from the region	
3. Facilitating		Information distribution		
4. Engaging		Participatory sessions	Workshop on Climate Narrative and ToC	Identification of common needs, problems, and potential technological/partnership solutions with amongst NDEs through three sequential activities of developing climate narrative, applying ToC for problem tree, and converting climate narrative into ToC for solution tree
			Workshop on Segmentation and Stakeholder matrix	Learning the concept of segmentation, stakeholder matrix into practice by voting for strong support amongst key stakeholders
			Workshop on social return on investment	Understand the concept of SROI and potential of communicating SROI in the context of climate finance and technology
			Bilateral with countries	Reconfirmation and prioritization of ideas discuss
5. Analyzing		Evaluation	Post-program engagement	Analyses of insights gathered from NDEs and follow-up on the bilateral results

Step 1. Planning: The key to this step was preparing materials and resources for the upcoming steps. In the planning stage, CTCN reviewed Technology Needs Assessments (TNA) and Technology Action Plans (TAP) in Asia and analysed current TAs against confirmed NDEs to segment the groups by their climate priorities. Also, conducted analysis on Network members from the region to understand the level of readiness for scalable TA implementation. For the participatory sessions, slides, a Workbook, coloured papers, pens, sticky notes, and sticky dots were prepared.

Segmenting NDEs by climate priorities

In the retrospective analysis of Asian countries'¹ TNA and TAP, two sectors and related technologies were identified as the most challenging sectors, requiring the largest financial investments to establish and/or enhance existing enabling environments:

1. Agriculture: Crop diversification and new varieties, Rainwater harvesting from rooftops

¹ Afghanistan, Bangladesh, Cambodia, Lao People's Democratic Republic (Laos), Myanmar, Nepal, Timor-Leste

2. Energy: Energy efficiency in transportation, Power generation, Optimal plantation, Solar energy connected to grid

As the TNAs and TAPs used in this analysis were published between 2011-2022, it is required to verify the applicability of these needs assessed to the current context each country faces.

In 2024 analyses of NDCs, 4 countries² in the region expressed their national plan to apply Artificial Intelligence-related technologies for mitigation and adaptation. The call for continued support in building countries' digital capacity and AI knowledge is underscored by the launch of the UNFCCC Technology Mechanism Initiative on Artificial Intelligence (AI) for Climate Action ([#AI4ClimateAction](#)).

With this in mind, three sequential participatory sessions were developed within the program to ensure the relevance and alignment of the identified needs with current national priorities, challenges, and evolving sectoral contexts. A week before the program, CTCN internally reviewed the TAs under implementation and randomly assigned 19 confirmed NDEs into 4 groups (Table 2).

Table 2 Groups for participatory sessions

Group	Countries	Language and theme
A	Afghanistan, Palestine, Lao PDR, Sri Lanka	Water-Energy-Food nexus
B	Bangladesh, Indonesia, Pakistan, Philippines	Sustainable Mobility
C	Iraq, Malaysia, Nepal, Cambodia	Energy Systems
D	Israel, Kazakhstan, Thailand, Jordan	Buildings and Infrastructure

Understanding the level of readiness for regional Network members to implement scalable TAs

In previous joint TM meetings and COP, regional representatives emphasised the potential for the region to lead a South-South collaboration on climate technology. CTCN has its Centre for Excellence in Collaborative Research, Development, and Demonstration (cRD&D) in Songdo, ROK (i.e., Partnership and Liaison Office), to support cRD&D activities to create an enabling environment for climate technology transfer and innovation. Thus, CTC Network analysis, combining three datasets, was conducted to understand the region's readily available scalable technologies for cRD&D facilitation.

Of 917 CTC Network members, 312 are registered as regional members³. The existing members' technology readiness level (TRL) varied from 3-5, potential for CTCN's regional

² Cambodia, UAE, Viet Nam, PNG

³ https://www.ctc-n.org/networking-and-collaboration/network?%2Fnetworking-and-collaboration%2Fnetwork=&f%5B0%5D=network_members_country_ref_region_facets%3A25

cRD&D facilitation efforts to focus on commercialisation over research development and/or demonstration for market creation.

Led by a Korean Network member, the National Institute of Green Technology, a session on matchmaking with Network members and NDEs were delivered. Two weeks before the program, we invited four promising Korean Network members (i.e. DI Labs, Integrated Watershed Management Institute, Envelops, ATE Tech) from the region to present their solutions to NDEs within 5-10 minutes.

Step 2. Sensitizing: The key to this second step was to familiarise NDEs with the approaches financing entities/MDBs have been taking to support climate project development. We prepared two thought-provoking sessions. First, inviting 4 panels to 'Global Movement Towards Climate Projects in Finance – Asia' from Green Climate Fund, Asian Development Bank, Korea Development Bank, and KOICA (see Figure 3) to exchange their thoughts on the following questions:

Q1: What specific action points or institutional changes has ADB introduced to better serve clients and beneficiaries in building climate resilience?

Q2: Explain GCF's "50 by 30" vision, and how you assess progress toward achieving it

Q3: How KOICA has been adapting its approach to support developing countries in Asia? If any changes are made with the introduction of new government in Korea, please expand.

Q4: How does KDB view climate projects from a private sector perspective? What lens does a bank apply in evaluating and interpreting such projects?

Q5: How are climate projects similar to—or different from—sustainable development projects your institutions have traditionally supported? How should we think differently (or similarly) about "investing" in sustainable development versus climate-specific priorities?

Q6: Explain how it differs from Readiness 1.0, and what kinds of support countries can now expect for their climate priorities?

Q7: Looking ahead, what do you need from NDEs in order to scale up climate finance and accelerate progress in Asia?

Each panellist had approximately 7 minutes to share their perspective. The discussion highlighted the following information and viewpoints:

- Emphasis on upstream support
- Balance between adaptation and mitigation, SIDS (for adaptation) and prioritising LDCs and non-negotiable terms
- Importance of creating mutual benefits and more collaborative modes
- Highlights on engaging financiers at the early stage of the project, accompany financiers to the project development meeting, so that they can communicate
- Roles expected of NDEs, particularly in maintaining flexibility across the project cycle



Figure 1 Panel discussion

Second, inviting 6 panels to ‘Collaborating for Impact: Aligning Technology with Financial Sector Priorities Through Multi-Stakeholder Engagement’ from Naver, SK Ecoplant, BC Card, Global Industry Hub, Hyundai Motor Chung Mong-Koo Foundation, and Korea University (see Figure 4) to exchange their thoughts on the following questions:

- Q1: What does it take to design projects that can attract and sustain climate finance? and how can NDEs help ensure these projects are solid/sustainable and measurable?*
- Q2: Could you share what motivated this focus, and how the foundation’s climate tech initiatives reflect the foundation’s purpose and vision for the future?*
- Q3: What were academia and the private sectors’ experiences and insights from the journey of “investing”/supporting in technology and talent? In particular, what approaches have worked well, and what challenges have you faced along the way?*
- Q4: What are the main focus areas NAVER prioritizes in these investments, what kinds of impact you’ve seen so far, and briefly how NAVER approaches the process of investing in and supporting startups?*
- Q5: How is BC Card working with different stakeholders and partners in the private and public sectors for this purpose? And what lessons have you learned about making these multi-stakeholder partnerships effective?*

Each panellist had approximately 7 minutes to share their perspective. The discussion highlighted the following information and viewpoints:

- Importance of centring climate technology in accessing climate finance

- Role of NDEs – to embrace a sustainable mindset in project development, ensuring activities are solid, maintainable, and measurable, as finance follows strong projects
- Emphasis on investing in people with long-term sustainability as a global vision
- Importance of cross-functional collaboration, increased need for understanding each player's roles and responsibilities to remove fragmentation
- Understand the interests of the private sector. They are also looking for startups that can actualise their vision and provide support for startups, as the mutual benefit of them exceeding their ESG is met through collaboration with startups.



Step 3 Facilitating: As part of this step, 13 lecture presentations were delivered, focusing on topics such as the financing models of the World Bank, KDB, and KOICA; Government's roles and responsibilities in finance (i.e. Case of ROK's AI strategy); Private sectors' solutions (i.e. Naver's platform, Green card initiative by BC card); building digital trust; concepts of impact and social return on investment; regional and global cases of technology-to-finance in the sustainability sector; tools and techniques for stakeholder engagement. The series of lecture presentations can be revisited here: <https://www.ctc-n.org/whats-happening/events/nde-forum-and-capacity-building-digitalization-and-finance-asia>

Specific to Day 1, NDEs were introduced to various financing entities and learned about their current status, challenges, and future plans. On Day 2, 24 Korean Network members networked with NDEs. Titled session as “Highlights on key technologies: Digital solutions by Korean Network members”, facilitated exchange of knowledge on innovative digital technology solutions developed by the members with the NDEs. The list of Korean network members participated to this session can be found in Annex I.



Figure 2 Network-NDE Networking session

Step 4 Engaging: To strengthen the capacity of NDEs in reconfirming their needs, we engaged them in three sequential sessions. Each session focused on conveying key concepts that are both universal and critical for supporting NDEs in their direct conversations with immediate stakeholders regarding potential multi-country TA projects.

Session A. Project development phase – Climate Narrative and Theory of Change (ToC)

Three sub-activities were facilitated, namely, brainstorming elements of the climate narrative, arranging elements into a problem tree, and rearranging elements into a solution tree.

Sub-activity 1. Brainstorming elements of the climate narrative

For 60 minutes, the grouped NDEs worked on identifying a single climate problem to focus on and ideated around its drivers, gaps, barriers, and potential actions to address it (see Figure 3). The coloured papers were used to facilitate the brainstorming of each climate narrative element.



Figure 3 Session A - Sub-activity 1. Climate Narrative Elements (clockwise, Group A-D)

Sub-activity 2. Arranging elements into a problem tree

For 30 minutes, the grouped NDEs arranged identified elements into the order of a problem tree, focusing on ‘scoping’. In this phase, each group collectively discarded the elements that are outside the scope of CTCN TA and reassured that the alignment of elements remained (see Figure 4).



Figure 4 Session A - Sub-activity 2. Process of arranging climate narrative elements into a problem tree

Sub-activity 3. Rearranging elements into a solution tree

For 20 minutes, the grouped NDEs rearranged elements into the structure of a solution tree, with an emphasis on adding a ‘positive tone.’ During this phase, each group intentionally re-framed the elements within the categories of a theory of change and ensured that the alignment of elements supported the ideation of a climate narrative–driven TA. (see Figure 5). After this activity, representatives from each group were invited to provide a summary of the key discussion points to the entire room.



Figure 5 Session A - Sub-activity 3. Presenting solution trees

Session B. Project implementation phase – Segmentation and stakeholder matrix

Two sub-activities were facilitated: first, to introduce the concepts of segmentation and the stakeholder matrix; and second, to provide NDEs with time to reflect on how their roles evolve throughout the project cycle.

Sub-activity 4. Identifying segments for the project

For each group, a stakeholder board was prepared with the actions (i.e., activities in the Theory of Change) identified during Session A on the left, and four segment categories—government, industry, consumer, and institution—across the top. Over 60 minutes, NDEs identified various stakeholders on sticky notes and mapped them onto the board, highlighting their connection to the project's activities (see left photos of Figure 6). Finally, each participant was invited to cast one vote for the segment or stakeholder they believed would provide the strongest support to the potential project (see right photos of Figure 6).



Figure 6 Session B - Sub-activity 4. Stakeholder board

Sub-activity 5. Reviewing response plan – In-country stakeholder list

Two thematic mock-up response plans were prepared for this exercise, and printed within the workbook distributed to each NDEs. It was designed as an individual activity, enabling NDEs to review the in-country stakeholder lists of the TA response plans using the lenses of segmentation and the stakeholder matrix. However, due to time constraints, this activity was not conducted.

Session C. Project follow-up - Communicating impact via Social Return on Investment

Two sub-activities were prepared: first, to introduce the concepts of social return on investment (SROI); and second, to provide NDEs with time to reflect on how their roles evolve throughout the project cycle.

Sub-activities 6-7. Understanding SROI formula and drafting an email for NDE team using SROI
Introduced by a CTC Network member, NDEs were introduced to the concept of SROI through a practical example. The exercise was originally designed to replicate this example and draft a professional email template that their NDE teams could use to communicate project impacts for potential scale-up, applying the SROI formula. However, instead of proceeding with the exercise, participants deepened their understanding of the concept through a Q&A session with the Network member. As a result, the two planned individual activities were left for NDEs to complete as post-program learning by revisiting the workbook.



Figure 7 Session C - Interactive presentation on SROI

This session closed with one presentation on ways to handle assumptions in large-scale projects to ensure the climate integrity at the core of project scale-up.

Annex IX presents original outputs of each session.

ANNEX I - Participant List

#	Country	First name	Last name	Affiliation	Position	Role
1	Afghanistan	Munir Ahmad	Faqiri	Climate Change Division, National Environment Protection Agency of Afghanistan	Greenhouse Gas Specialist	NDE
2	Bangladesh	Masud Iqbal	Md Shameem	Department of Environment to Ministry of Environment, Forest and Climate	Director (Environmental Clearance)	NDE Representative
3	Cambodia	Chanthearith	Ou	Ministry of Environment - National Council for Sustainable Development	Director of the Department of Science and Technology of the NCSD	NDE
4	Indonesia	Rizki	Amelgia	Ministry of Environment / Environmental Control Agency	Coordinator on Funding Resources Support for Climate Change Mitigation Working Group, Directorate of Climate Change Resources Mobilization	NDE Representative
5	Indonesia / Self-funded	Khansa	Zahrani	Ministry of Environment / Environmental Control Agency	Staff of Directorate of Climate Change Resources Mobilization.	NDE Representative
6	Iraq	Shwan Hikmat Sedeeq	Abdlwahaab Agha	Ministry of Environment	Senior Developer, Information Technology Center	NDE Representative
7	Israel	Rachel Zahava	Apfelbaum	Ministry of Foreign Affairs	Head of Global Partnership Development, MASHAV (Israel's Agency for International Development Cooperation)	NDE Representative
8	Jordan	Sara	Qais Ahmad Al Haleeq	Ministry of Environment	Head of Adaptation, Climate Change Directorate	NDE
9	Kazakhstan	Ramazan	Dauzov	Zhasyl Damu JSC	Manager, Department of Modelling, Analysis and Forecasting	NDE Representative
10	Lao PDR	Vathsouda	Nilathsay	Department of Climate Change, Ministry of Natural Resources and Environment	Deputy Director of Adaptation Division	NDE Representative

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<http://www.ctc-n.org>, Email: ctcn@un.org

Inquiries related to this document, email: Jeawon.kim@un.org

#	Country	First name	Last name	Affiliation	Position	Role
11	Malaysia	Firna	Azura Ekaputri Binti Marzuki	Climate Change Division, Ministry of Natural Resources and Environmental Sustainability (NRES)	Principal Assistant Secretary	NDE Representative
12	Nepal	Narayan Prasad	Pokhrel	Ministry of Forests and Environment	Scientific Officer, Planning, Monitoring and Coordination Division	NDE Representative
13	Pakistan	Imran	Khan	Ministry of Climate Change - Pakistan	Assistant Director	NDE
14	Palestine, State of	Hadil	Khamis	Environment Quality Authority	Head of Climate Change Section	NDE
15	Philippines	Megan	Barte	Department of Finance	Division Chief, Climate Finance Policy Group	NDE Representative
16	Sri Lanka	Thiris Inoka	Seevarathnam	Climate Change, Ministry of Environment	Assistant Director	NDE Representative
17	Tajikistan	Sunatullo	Pirov	Agency for Hydrometeorology	Head, Centre for Automated Communication and Technology of the Agency for Hydrometeorology	NDE
18	Thailand / Self-funded	Surachai	Sathitkunarat	Office of National Higher Education Science Research and Innovation Policy Council, Ministry of Higher Education, Science, Research and Innovation	President	NDE
19	Thailand	Saravane	Singtong	Office of National Higher Education Science Research and Innovation Policy Council, Ministry of Higher Education, Science, Research and Innovation	Director of the Sustainability Policy Division	NDE Representative
20	CTCN	Stephen	Minas	CTCN Advisory Board	Chair, CTCN Advisory Board	Advisory Board, Chair

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Inquiries related to this document, email: Jeawon.kim@un.org

#	Country	First name	Last name	Affiliation	Position	Role
21	UNFCCC	Taeyoon	Kim	UNFCCC Secretariat	Programme Officer, Support and Implementation Unit, Technology Subdivision, Means of Implementation Division	Secretariat
22	CTCN	Jeawon	Kim	CTCN	Capacity Building and Network Engagement Specialist	
23	CTCN	Suil	Kang	CTCN	Coordination Officer	
24	CTCN	Hoyoung	Jo	CTCN	Climate Technology Specialist	
25	CTCN	Minyoung	Kwak	CTCN	IMC Secondee	
26	CTCN	Seungmin	Noh	CTCN	IMC volunteer	
27	CTCN	Woojin	Han	CTCN	Senior Advisor and Climate Specialist	
28	Co-organizer	Zaki	Khoury	World Bank	Lead, Korea Digital Development Program	
29	Co-organizer	Ahyoung	Shin	World Bank	Specialist	

Directory of participated Korean Network members

#	Organization	Name	Affiliation	Contact
1	ANGERNY	PARK KYUNG SUP	CEO	pksjjang7@naver.com
2	Ecosian	Hwang Bohyun	Dept leader	boh724@ecosian.com
3	DI LAB Inc.	Myung Kwangmin	CEO	km.myung@dilab.kr
4	T&C KOREA CO.,LTD.	JANG GYU HWA	President	tnckorea@tnckorea.co.kr
5	Environment & Energy Cube	Moon, Chul-Hwan	Director	moonch@eecube.co.kr
6	National Institute of Forest Science	Jeongmook Park	Researcher Official	pjm7@korea.kr
7	National Institute of Forest Science	Lim Chae Jun	Researcher	dlacowns@korea.kr

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32nd Floor, G-Tower, 175, Art center-daero, Yeonsu-gu, Incheon

<http://www.ctc-n.org>, Email: ctcn@un.org

Inquiries related to this document, email: Jeawon.kim@un.org

#	Organization	Name	Affiliation	Contact
8	NIGT	Lee, Min Joo	Post-doc	lmj@nigt.re.kr
9	National Institute of Green Technology	Ami Woo	Senior Researcher	ami.woo@nigt.re.kr
10	NIGT	Hanna Kang	Researcher	hkang@nigt.re.kr
11	National Institute of Green Technology	Jihee Son	Director	jie.son@nigt.re.kr
12	National Institute of Green Technology	Ha Su Jin	Researcher	hsj@nigt.re.kr
13	NIGT	DAJUNG JUNG	Researcher	djung@gmail.com
14	HORIN Co., Ltd.	Woo min gyun	Assistant Manager	dnalsrbs9@horin.kr
15	National Institute of Green Technology	Kim Jongyun	Post-ma	kjyun98@nigt.re.kr
16	National Institute of Green Technology	Chaewoon Oh	Principal Researcher	mosaic327@nigt.re.kr
17	Weatherpia Co.,Ltd	KYUNG HUNMO	Team Manager	hm.kyung@weatherpia.kr
18	Weatherpia Co.,Ltd	Lim Sangwook	CEO	swlim@weatherpia.kr
19	Weatherpia Co.,Ltd	Kang Seoyoung	Managing Director	sy.kang@weatherpia.kr
20	Weatherpia Co.,Ltd	Kang Sinsuk	Team Manager	sinsuk.kang@weatherpia.kr
21	Weatherpia Co.,Ltd	Shim Semin	Team Manager	semin.shim@weatherpia.kr
22	Integrated Watershed Management Institute	Jaepil CHO	Director	jaepil.cho@iwmi.kr
23	GREENers	Lee Su Hyeon	Researcher	shlee@grners.com
24	KIST	Young Hye Lee	Senior Researcher	mezure@kist.re.kr
25	Korea Institute of Science and Technology	Kim Insu	Senior Researcher	insukim@kist.re.kr
26	National Institute of Green Technology	Jongyeol Lee	Senior Researcher	jlee@nigt.re.kr
27	Korea Institute of Energy Research	Woonho BAEK	Senior Administrator	whb@kier.re.kr
28	Korea Meteorological Institute	YISOL GO	Senior Manager	yisol@kmiti.or.kr
29	Ecosian	Eunjung Choi	Researcher	ejchoi14@ecosian.com

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32rd Floor, G-Tower, 175, Art center-daero, Yeonsu-gu, Incheon

<http://www.ctc-n.org>, Email: ctcn@un.org

Inquiries related to this document, email: Jeawon.kim@un.org

#	Organization	Name	Affiliation	Contact
30	Ecosian	Ryu Minju	Assistant Researcher	ryumj65@ecosian.com

ANNEX II – Final Agenda



Day 2 Capacity Building on Climate Finance - Data and AI for Climate Resilience (2 September)

Opening and scene-setting: Climate finance for Resilience	
Moderator: Jeawon Kim, CTCN	
09:00~09:05	Opening Remarks Zaki Khoury, Senior Digital Specialist <i>World Bank</i>
09:05~09:10	Congratulatory Remarks Sang-Hyup Lee, President <i>National Institute of Green Technology (NIGT), CTC Network member</i>
09:10~09:15	Overview of the programme and expected outputs Jeawon Kim <i>CTCN Secretariat</i>
09:15~10:25	Global Movement Towards Climate Resilience– Asia Moderated by Zaki Khoury, with panelists - GCF (Pattabiraman Subramanian, Senior Readiness Specialist) - ADB (Martin Okata, Senior Climate and Disaster Risk Specialist) - KDB (Eugina Kim, Lead Climate Negotiator) - KOICA (KIM Gyungah, Manager - Climate and Economic Development)
Group Photo and Coffee break – 15 minutes	
Session 1: World Bank's financing models, modalities, and support for impact	
Moderator: Jeawon Kim, CTCN	
10:40~11:00	World Bank's Financing models, modalities including Asia portfolio Narae Choi, Senior Urban Specialist <i>World Bank</i> Q&A
11:00~11:20	Digital Infrastructure: Green Data Centers, Smart Stations, and Data Hosting Platforms Zaki Khoury, Senior Digital Specialist <i>World Bank</i> Q&A
Session 2: Sub-regional and national FIs: Financing models, modalities, and support for impact	
Moderator: Ahyoung Shin, WB	
11:20~11:40	Korea Development Bank: Strategic plan, financing models, and regional portfolio Eugina Kim, Lead Climate Negotiator <i>Korea Development Bank</i> Q&A
11:40~12:00	KOICA's Strategic plan, financing models, and regional portfolio

KIM Gyungah, Climate and Economic Development Team / Manager
Korea International Cooperation Agency (KOICA)
Q&A

Lunch break - 90 minutes

Session 3: Harnessing the Tech–Finance–Policy Nexus to Accelerate Digital Transformation

Moderator: Jeawon Kim, CTCN

13:30~13:50	Platforms for efficiency Kyuhan Yoon, Director of DX Solution Business Naver Q&A
13:50~14:10	Green Card Initiative: Utilization of data and AI Sungsu Oh, Director of AI & Data Business BC Card Q&A
14:10~14:30	Role of government: Case of South Korea in transforming systems through AI Taewon Kim, Director National Information Society Agency (NIA) Q&A

Session 4: Collaborating for Impact: Aligning Technology with Financial Sector Priorities Through Multi-Stakeholder Engagement

Moderator: Ahyoung Shin, WB

14:30~15:15	Partnerships and Private Sector involvement – Asia Moderated by Ahyoung, with discussants from [Private sector] - o Naver - Kyuwan Yoon, Director of DX Solution Business - o SK Ecoplant – Junho Lee, Pro - o BC Card – Sungsu Oh, Director of AI & Data Business [Philanthropists] - o Global Industry Hub – Adam Bornstein, COO - o Hyundai Motor Chung Mong-Koo Foundation – Sunbin Cho, Manager [Research and Academia] - o Korea University – Jaehong Park, Professor, Department of Future Science and Technology Business
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Coffee break – 15 minutes

Session 5: Building Digital Trust: Leveraging Tools to Transform the Finance–Technology Landscape

Moderator: Jeawon Kim, CTCN

15:15~15:40	Diagnostic Tool for Data Sharing for Climate Resilience: Data Assessment for Policymaker Decision-Making and Climate Prioritization Seth Ayers, Senior Digital Specialist <i>World Bank (video)</i> Q&A
15:40~16:05	Handling assumptions: Digital platform to assess integrity, accountability, and trust in climate projects Albert Lihalakha, Integrity Expert & Climate Tech Enthusiast (virtual) Q&A
Coffee break – 25 minutes	
Parallel Clinic Session – NSI and Digitalization including Artificial Intelligence <i>CTCN and UNFCCC secretariats</i>	
16:00~17:00	Bilateral with NDEs upon request (as indicated through the pre-programme survey) <i>In participation of world bank and other stakeholders</i>

Day 3 Capacity Building on Climate Finance - Data and AI for Climate Resilience (3 September)

Session 6: Amplifying Innovation through Impact – Revise and reconfirm	
Moderator: Jeawon Kim, CTCN	
09:00~09:10	Raising ambitions towards climate - Why NDC? Deo Gabinete, Regional Manager, Eastern Europe and Asia Pacific <i>NDC Partnership (Virtual)</i>
09:10~09:15	Introduction to the concept of 'Impact' with systems angle
Session 7: Highlights on key technologies: Digital solutions by Korean Network members	
Moderator: Ami Woo, NIGT	
09:15~09:25	CTC Network: Status and strategy Woojin Han, Senior Advisor and Climate Specialist <i>CTCN Secretariat</i>
09:25~10:15	Pitch presentations - AI-based environmental monitoring and prediction platform <i>Yeji Choi</i> <i>Director, DI Labs</i> - Digital-based real-time integrated watershed climate and hydrological management technology <i>Jaepil Cho</i> <i>Director, Integrated Watershed Management Institute</i> - AI algorithm for real-time agricultural solar panel angle adjustment <i>Yongseung Kwon</i> <i>Team Leader, Envelops</i> - AI-based automatic waste sorting robot <i>Jaeho Ryu</i> <i>Director, ATE Tech</i>
Group photo and Coffee break – 15 minutes	
Session 8: Phase 1 – Project design: Climate Narrative for a large-scale climate project	
Moderator: Jeawon Kim, CTCN	
10:30~12:00	Introduction to a Climate Narrative and Theory of Change (ToC) <i>All NDEs</i> <i>NDEs Logic Desk – Warm up for change: Development of problem and solution trees</i> Three sequential activities to be covered: - Brainstorming for problem identification – Ideate on the elements of climate narrative (30 minutes) - Problem tree – Organize the brainstormed elements into a problem tree, aligning them with the specific scope of the project (20 minutes and *10 minutes for sharing time)

	c. Solution tree – Transform their problem tree into solution tree, adapting the elements to match the goals and structure of the intended financing modality (20 minutes and *10 minutes for sharing time) In between activities B and C, each group representative will present their idea board to the room for 10 minutes.
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Lunch break – 90 minutes

Session 9: Phase 2 – Project implementation: Improving the quality of project outputs

Moderator: Jeawon Kim, CTCN

13:30~13:45	Tools and techniques to map stakeholders and increase their engagement Hwang Jinsol, CEO <i>The Bridge, CTC Network member</i>
13:45~15:00	Segmentation and Stakeholder Orientation <i>All NDEs</i> Building on the group divisions from Session 8, this session will facilitate two focused activities: Activity d. Identifying segments for the project (45 minutes) Participants will be given sticky notes representing various stakeholder types. Working in groups, they will map relevant stakeholders connected to the activities of TA request drafted. The mapping can also be done in the idea board. The session will conclude with each group presenting their discussion outcomes and stakeholder maps to the wider group. Activity e. Reviewing a Response Plan (30 minutes) Participants will ideate on segments missing and orientation of RP provided, focusing on the quality and extent of stakeholder engagement.

Coffee Break – 15 minutes

Session 10: Phase 3 – Project follow-up: Communicating impact stories for longevity

Moderator: Jeawon Kim, CTCN

15:15~15:30	Communicating social impact through 'Social Return on Investment' Julia Cairns, Associate Professor <i>Griffith University, CTC Network Member (Virtual)</i>
15:30~16:45	Increasing Scale-up Opportunities <i>All NDEs</i> Building on the group discussion from Session 9, this session will facilitate two focused activities:

Activity f. Understanding SROI formula (45 minutes)

As an individual exercise, NDEs will calculate the Social Return on Investment (SROI) by researching indicators of societal costs, gathering evidence of the relationship between impact and outcomes, and estimating the value within their area of action or influence. This activity aims to guide NDEs in estimating both the amount of money invested in their program or project and the monetized value of its outcomes.

Activity g. Drafting an email for NDE team, using SROI (30 minutes)

In this activity, participants will apply the knowledge gained from the Social Return on Investment (SROI) methodology to draft a professional email addressed to their NDE team. The objective is to communicate the estimated social value generated by a specific program or project, based on their previous analysis.

Summary and closing

Moderator: Jeawon Kim, CTCN

16:45~17:00 Wrap up

17:00~17:10 **Closing remark**
Zaki Khoury, Senior Digital Specialist
World Bank

17:10~17:30 **Closing and way forward with CTCN**
Stephen Minas, Chair
CTCN Advisory Board

ANNEX III – Group Photo



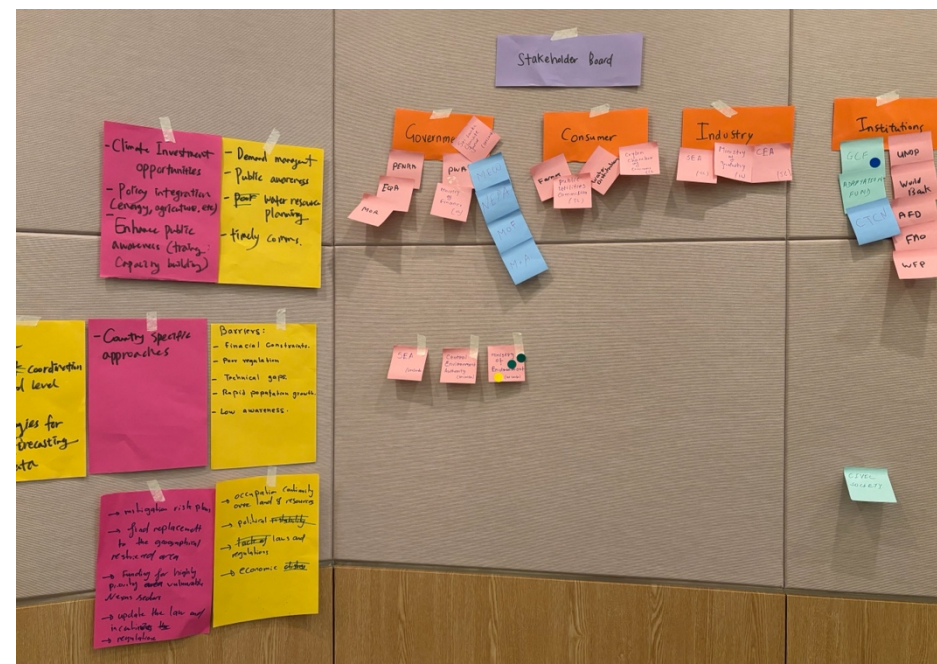
ANNEX IX – Group outputs, original photos

Group A - Afghanistan, Palestine, Lao PDR, Sri Lanka (Water-Energy-Food nexus)

Problem-Solution Trees

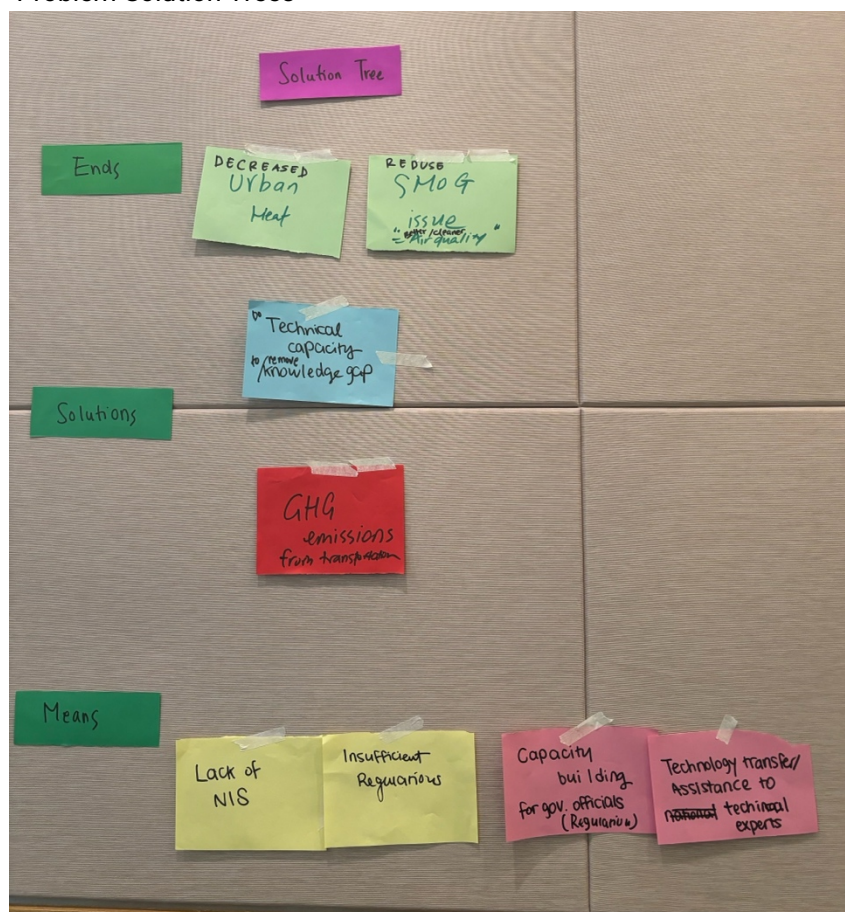


Stakeholder board

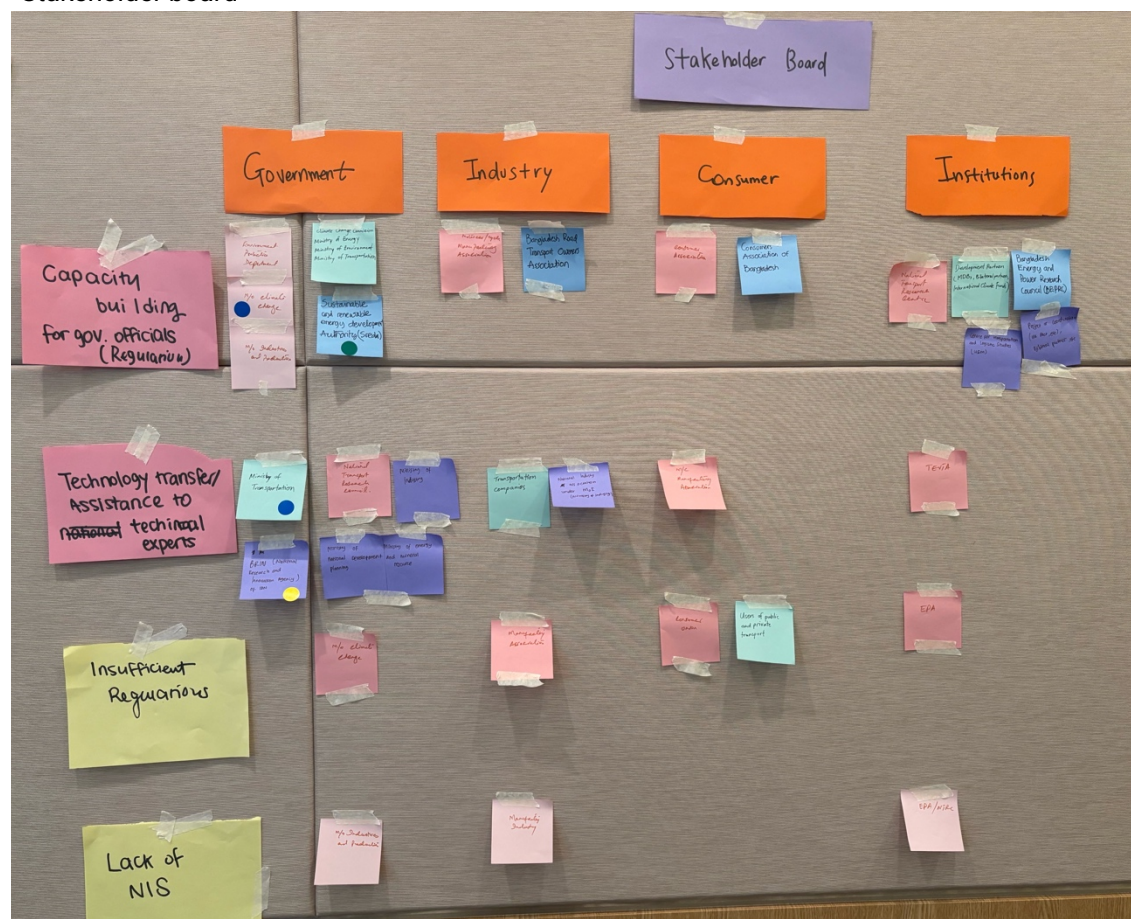


Group B - Bangladesh, Indonesia, Pakistan, Philippines (Sustainable Mobility)

Problem-Solution Trees



Stakeholder board

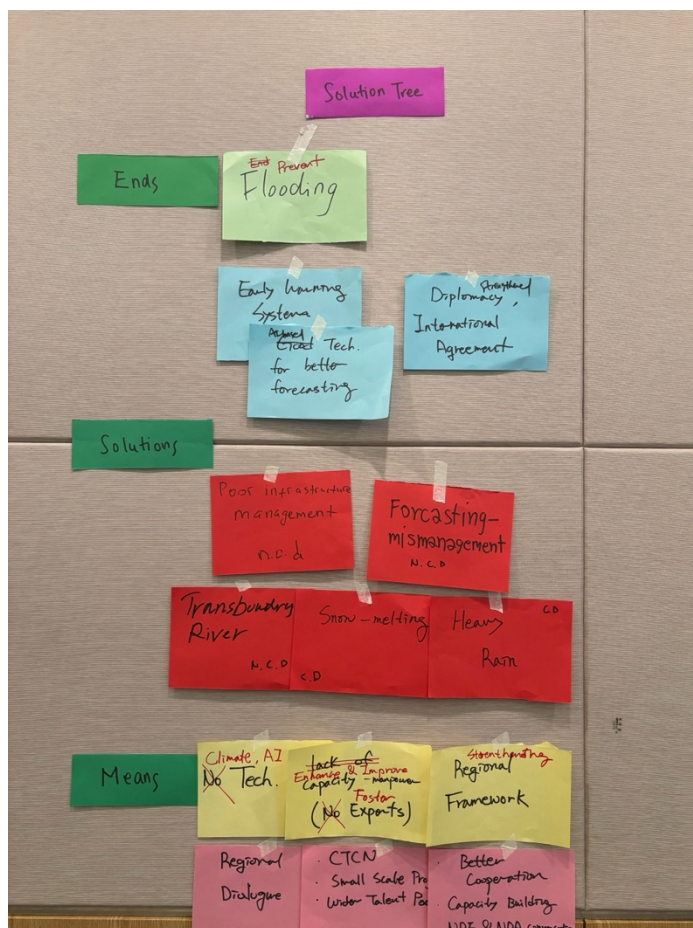


Stakeholder board



Group D - Israel, Kazakhstan, Thailand, Jordan (Buildings and Infrastructure)

Problem-Solution Trees



Stakeholder board

