

UN CTCN
The Collaborative RD&D Bridge-Building (CRD2B2) Workshop 2024
in conjunction with
the 19th Policy Consultation Forum of the Seoul Initiative Network on
Green Growth (SINGG), 2024 Incheon International Environmental
Technology Confex and GreenEnerTEC

28 October – 1 November, Seoul and Songdo, Incheon, Republic of Korea

Background

For the past 10 years, the Climate Technology Centre and Network (CTCN) promoted accelerated transfer of environmentally sound technologies for low carbon and climate resilient development at the request of developing countries. Implementing the mission of CTCN, we have focused on the stimulation of technology cooperation and enhancement of the development and transfer of climate technologies to developing countries. Taking its mandate, CTCN has supported over 110 countries benefited from climate technology innovation, transfer, and knowledge sharing to date.

One of the main objectives of the CTCN Partnership and Liaison Office (PALO) launched on 21 July 2022 is to strengthen existing efforts on innovation and collaborative research, development, and demonstration (RD&D) through greater collaboration with various organizations working on climate change issues. The specific role for the objective is to serve as a Centre of Excellence on Research, Development, and Demonstration (RD&D) on climate technologies. There is no doubt that one of the key actors in national systems of innovation and RD&D of climate technology is research institutes and universities as well as private sector. One of many ways of collaborative RD&D is to conduct joint RD&D projects and activities among researchers, research institutes and universities and the role of NDEs as a bridge-builder who finds appropriate researchers or institutes or universities in the respective country is very critical for the initiation.

Based on the previous practice of the bridge-building module between Korean Government-affiliated Research Institutes (GRIs) and NDEs in 2023 at the AP Capacity Building Workshop, the CTCN PALO will organise the 'Collaborative RD&D Bridge-building (CRD2B2)' workshop in Incheon, Korea. Twenty-one NDE representatives will visit the CTCN PALO, and 4 Korean GRIs will be invited to bring their climate technologies for collaborative RD&D bridge-building with the researchers of developing countries.

Additionally, on 28 September, CTCN would like to provide an opportunity to recognize the importance of close the ambition and implementation gaps in current nationally determined contributions (NDCs) and the needs for more ambitious, meaningful and implementable targets in the preparation of the next round of NDCs (NDC 3.0) for 2035 to be submitted in 2025 and understand the important role of climate technology in the preparation and implementation of NDC 3.0 in the conjunction meeting with the 19th Policy Consultation Forum of the Seoul Initiative Network on Green Growth (SINGG) co-organized by the UN Issue-

Based Coalition (IBC) on Raising Ambitions on Climate Action co-chaired by ESCAP and UNEP (<https://www.unescap.org/events/2024/19thSINGGFORUM>).

CTCN will also collaborate with Incheon Innovation Cluster (IIC, INNOPOLIS+) for **the 2024 Incheon International Environmental Technology CONFEX** with various sessions including technology exhibition and matchmaking with IIC companies and the project concept paper (PCP) presentation and discussion by government officers who have been participated in the KOICA scholarship programme operated by Incheon National University (INU).

INNOPOLIS+: A programme of Korea Innovation Foundation (INNOPOLIS). The Ministry of Science and ICT (MSIT) of Korea designates and fosters **small-scale, high-density intensive spaces (Towns)** centred around **major technological core institutions (Innovation)** located in the region, such as universities, research institutes, and public enterprises, as R&D special zones.

Objectives

This year, the CRD2B2 workshop will invite twenty-two NDE representatives and researchers from 2 Korean GRIs to facilitate the bridge-building for the future collaborative RD&D activities and cooperation and networking with private sectors with climate technologies.

This joint workshop will provide:

- 1) Share 2 K-GRIs' technology solutions with 22 invited NDE representatives
- 2) Provide opportunities to build Global South-South, North-South and Triangular collaborative RD&D activities that co-benefit national and global climate change action
- 3) Raising awareness on the importance of climate technology in the preparation and implementation of NDC 3.0.

Duration/Format

The Forum will take place for three days welcoming in-person participation of up to 20-30 NDEs (two-thirds from AP region and one-third from Africa and LAC regions).

27. Oct.	28 Oct.	29 Oct.	30 Oct.	31 Oct.	1 Nov.	2 Nov.
Arrival (Incheon)	Day 1 The 19th SINGG (Kimpo, Seoul)	Day 2 CRD2B2 Workshop NIGT KRICT	Day 3 ITP Startup Park GreenEnerTEC (Songdo CONVENTIA)	Day 4 IIET Confex (Songdo CONVENTIA)	Day 5 IIET Confex (Songdo CONVENTIA)	Departure

Participants

- 21 NDE representatives from 17 countries: Asia (12), Africa (4), and LAC (1)
- Researchers and international cooperation staff from 4 Korean GRIs

Programme agenda

Day 1 (28 October) Participation in the 19th SINGG (Mayfield Hotel Seoul, Kimpo, Seoul)

< Day 1 > Monday, 28 th October	
08:40-09:20	Registration
09:20-10:00	Opening and Welcome Remarks - ESCAP (Video message of the ES) - Ministry of Environment, Republic of Korea (KME) - Korea Environment Corporation (K-eco) Overview - Sangmin Nam (ESCAP): “Enhancing ambitions in NDC 3.0”
10:00-10:20	Coffee break
10:20-12:00	Session 1A: Lessons Learned from Previous Round of NDCs Moderator: Juhi Bansal (UNFCCC) <ul style="list-style-type: none"> ▪ Overview Presentation 1: “Overview of process and provisions for NDC 3.0” by Juhi Bansal (UNFCCC) ▪ Overview Presentation 2: “Stocktake on the 2030 NDC target’s implementation” by Seung-Jick Yoo (Sookmyung Women’s University) ▪ Member States’ Reports: Cambodia, Tuvalu, Kazakhstan ▪ Guided Discussion – Lesson learned from reviewing the previous NDC target setting and implementation ▪ Summary Comments: Mozaharul Alam
12:00-13:00	Luncheon
13:00-15:00	Session 1B: Closing the Ambition Gap in NDC Target Setting Moderator: Sangmin Nam (ESCAP) <ul style="list-style-type: none"> ▪ Overview Presentation: “Methods and resources for setting NDC targets” by Deo Gabinete (NDC Partnership) ▪ Member States’ Reports: Philippines, Malaysia, Turkmenistan, Tajikistan ▪ Guided Discussion – Good practices in target setting ▪ Summary Comments: Juhi Bansal
15:00-15:20	Coffee break
15:20-17:20	Session 1C: Overcoming the Implementation Gap and NDC Enablers Moderator: Mozaharul Alam (UNEP) <ul style="list-style-type: none"> ▪ Overview Presentation: “Global Call for NDC 3.0” by Deo Gabinete (NDC Partnership) ▪ Quick Survey – Challenges and good practices in integrated NDC update process ▪ Member States’ Reports: Thailand, Sri Lanka, Nauru, Türkiye ▪ Guided Discussion – Good practices in enhancing institutional mechanisms, stakeholder engagement, financing strategies, and enabling action
	<ul style="list-style-type: none"> ▪ Summary Comments: Hitomi Rankine

Day 2 (29 October) Collaborative RD&D Bridge-building Workshop with Korean GRIs (CTCN PALO, Songdo, Incheon)

Opening Ceremony MC: Suil Kang, CTCN	
9:00 ~ 9:15	Opening Remarks and Programme Introduction Suil Kang CTCN
9:15 ~ 11:25	Presentation and Group Discussion, 10 min for each country <i>NDE representatives</i>
11:25 ~ 11:35	Welcome Remarks Ms. Mee-jeong LEE Deputy Director GCF & International Cooperation Team Environment & Climate Policy Division Incheon Metropolitan City
11:35 ~ 11:45	Group photoshoot
11:45 ~ 12:15	Networking
Lunch Break (1 hr 45 min)	

Session 1: Collaborative RD&D Bridge-building 1 Moderator: Hoyoung Jo, CTCN	
14:00 ~ 14:30	Towards green innovation: Advancing climate technology cooperation Dr. Hanna KANG National Institute of Green Technology (NIGT)
14:30 ~ 15:00	Biorefinery for raw-materialization of lignocellulosic biomass Dr. Hoyong KIM Center for Bio-based Chemistry Korea Research Institute of Chemical Technology (KRICT)
15:00 ~ 15:30	Coffee Break
15:30 ~ 17:00	Dialogue with the CTCN and introduction of tomorrow program
17:00 ~ 17:30	CTCN Collaborative Research, Development and Demonstration strategy and work plan for 2025 (Virtual Presentation) Woojin Han Senior Climate Specialist, CTCN

Day 3 (30 October) Visiting ITP Startup Park and voluntary technology talk (Songdo, Incheon and Songdo CONVENTIA)

Session 3: Collaborative RD&D Bridge-building 2	
Organizer: Suil Kang, CTCN	
10:00 ~ 12:00	Visiting Incheon Technopark (ITP) Startup Park
12:00 ~ 13:30	Lunch Break

Session 4: Visiting GreenEnerTEC (Songdo CONVENTIA, Incheon)	
13:30 ~15:00	Guided Tour with translators (4 Group)
15:00 ~15:30	Break
15:30 ~16:30	Deep-dive meeting with 3 high priority companies at Overseas Lounge Free Tour (in parallel) Bilateral meeting with CTCN (in parallel)

Day 4 (31 October) INNOPOLIS+ Forum (Songdo CONVENTIA, Incheon)

Time	Programme	Venue
10:00 ~ 11:00	Opening (including Opening Remarks/Congratulatory Remarks)	Grand Ballroom C
11:00 ~ 12:00	Keynote Lecture #1 CTCN PALO Keynote Lecture #2 UNEP support for SMEs in Southeast Asia region	Grand Ballroom C
12:00 ~ 14:00	Lunch break (2 hours)	Cafeteria
SESSION 1 14:00-15:00	Technical Session #1 Biochar using Biomass Carbonization Technology in Tanzania	Grand Ballroom C
SESSION 2 15:00-16:00	Technical Session #2 Build-up of Green GER Center in Mongolia	Grand Ballroom C
SESSION 3 16:00-17:00	Technical Session #3 Introduction of PCP by INU-KOICA Climate Training Program	Grand Ballroom C
	Wrap up and closing	
Side Event 1	Demand technology matching R&BD consultation (ODA Partner Country - Environmental Technology Company)	Grand Ballroom C & Lobby
Side Event 2	Promotional Booth (IIC Companies and Related Organizations)	

Day 5 (1 November) INNOPOLIS+ Forum (Songdo CONVENTIA, Incheon)

Time	Programme	Venue
10:00 ~ 11:00	Technical Session #4 Air Quality Monitoring Technology using GEMS (Geostationary Environment Monitoring Spectrometer)	Grand Ballroom C
11:00 ~ 12:00	Technical Session #5 (Introduction of Technologies for IIC companies)	Grand Ballroom C
12:00 ~ 14:00	Networking (Lunch)	Cafeteria
14:00-15:00	Technical Session #6 [Regional Environmental Difficulty 1] Treatment Technology for Plating Wastewater Process in Korea	Grand Ballroom C
SESSION 2 15:00-16:00	Technical Session #7 [Regional Environmental Difficulty 2] Treatment Technology for Die-Casting PM (Particulate Matters) in Korea	Grand Ballroom C
SESSION 3 16:00-17:00	Technical Session #8 (Introduction of Technologies for IIC Companies)	Grand Ballroom C
	Wrap up and closing	
Side Event 1	Demand technology matching R&BD consultation (ODA Partner Country - Environmental Technology Company)	Grand Ballroom C & Lobby
Side Event 2	Promotional Booth (IIC Companies and Related Organizations)	