



International Conference on Innovation, Technology Transfer and Cooperation for Addressing Climate Change

06 December 2022

United Nations Conference Centre (UNCC), Bangkok, Thailand and Online

Organized by

Asian and Pacific Centre for Transfer of Technology (APCTT) of the
United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)

Background

Technology plays a critical role in addressing the challenges of climate change through reducing greenhouse gas emissions and building resilience to the impacts. More than 50 percent of the population of Asia-Pacific live in cities and the region's urban population exceeded 2.3 billion in 2019, accounting for 54 percent of the overall global urban population.¹ In the Asia Pacific region, the projected urbanization rate is 64%. The region already contains 20 of the world's 33 megacities which will likely increase to 27 by the year 2030². Cities in the Asia-Pacific therefore need to be the primary focus of the transition to climate technologies and resilience.

Cities and urban centers in the Asia-Pacific are now at the forefront of adopting smart city plans and implementing new technologies to manage city services. Digital and fourth industrial revolution (4IR) technologies are transforming the way cities are growing and being managed. However, there are challenges and limitations in large-scale use of such technologies in many cities of the region. Inclusive planning integrating emerging technologies at local, municipal and national level have become imperative for climate change mitigation and adaptation in cities. In this light, it is essential to create enabling policies and viable business models to promote innovations and transfer of technologies for building sustainable cities.

Developing capacities of city governments and sharing of good practices in transition to renewable energy for power and transportation, information and communication technology, and developing climate resilience through climate action plans is important. Multi-stakeholder partnerships between governments, civil society, and private sector organizations, and strengthened regional cooperation are critical to support sustainable urban development in the Asia-Pacific. This International Conference is envisaged to facilitate sharing of technical and institutional experiences on the complex policy and technology issues around urban climate resilience and sustainability and explore possible strategies and pathways to promote technology cooperation in the Asia-Pacific region.

¹ <https://www.unescap.org/our-work/environment-development/urban-development>

² <https://www.adb.org/sites/default/files/publication/705086/100-climate-actions-cities-asia-pacific.pdf>

Objectives

- Explore and learn from good practices in scaling up innovative technologies on renewable energy, low carbon transport and disaster risk reduction including 4IR technologies for building sustainable cities.
- Enhance knowledge on enabling policies and mechanisms to accelerate innovations for climate change mitigation and adaptation in cities.
- Provide policy recommendations to strengthen regional cooperation for adoption of technologies for climate change mitigation and adaptation in cities.

Target Audience

Participants will include Government officials, city administrators, representatives of international organizations, R&D institutions and private sector, and other relevant stakeholders involved in urban governance, innovations and technologies related to climate change mitigation and adaptation.

TENTATIVE PROGRAMME

Date: 06 December 2022 | Time: 09:00 am–04:30 pm (Thailand Time GMT+7) Hybrid Mode

9:00-9:30 Registration

Time	Agenda Item	Speaker
9:30-10:00	Inaugural Session	
	Welcome address	Ms. Preeti Soni Head, Asian and Pacific Centre for Transfer of Technology, United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)
	Opening Address	Invited Dignitary (TBC)
	Special Address	Ms. Armida Salsiah Alisjahbana Under-Secretary-General and Executive Secretary of the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) (TBC)
	Group Photo	
10:00-10:40	Technical Session 1: Climate technologies for cities in the Asia-Pacific This session will provide an overview of innovation and technologies to address climate change and the role of international cooperation for sustainable urban development in the Asia-Pacific	
10:00-10:15	Keynote Address: Innovations and international cooperation in accelerating climate technologies for cities in Asia-Pacific	Representative from UNDP Regional Hub (TBC)

10:15-10:30	Keynote Address: Role of International cooperation on climate technology transfer to facilitate sustainable urban development	Mr. Daniele Violetti Senior Director, Programmes Coordination, The United Nations Framework Convention on Climate Change (UNFCCC)
10:30-10:40	Open Discussion	
10:40-11:00	Coffee Break	
11:00 – 12:10	Technical Session 2: Innovative applications of climate technologies in cities This session will share case studies and examples of climate technology and their innovative applications in cities of Asia-Pacific. Key learnings from these examples and opportunities for their adoptions will also be discussed.	
11:00-11:15	Innovations and technology applications for clean and renewable energy transition in cities	Prof. Sivanappan Kumar, Department of Energy, Environment and Climate Change, School of Environment, Resources and Development, Asian Institute of Technology (AIT), Thailand (TBC)
11:15-11:30	Innovations and technology applications for low carbon urban transport and mobility	Dr. Vu Anh Tuan, Director, Vietnamese-German Transport Research Centre, Vietnamese-German University, Vietnam
11:30-11:45	Innovations and technology applications for disaster risk reduction and climate resilient infrastructure in cities	Ms. Mary Jane Alvarez Regional Program Manager, ICLEI Southeast Asia, Philippines
11:45-12:00	4IR technologies and applications for climate-resilient smart cities	Ms. Atsuko Okuda Regional Director for Asia and the Pacific (Thailand), International Telecommunication Union (ITU)
12:00-12:10	Open Discussion	
12:10-13:30	Lunch Break	
13:30-15:00	Technical Session 3: Mechanisms to accelerate technology transfer, adoption and diffusion for climate resilient urban development This session will discuss enabling policies, mechanisms and partnerships, with examples of their application, to facilitate innovation and transfer of climate technologies for climate smart and resilient cities in the Asia-Pacific region	
13:30-13:50	Enabling policies for scaling-up adoption of climate technologies for resilient cities	Dr. Hitesh Vaidya Director, National Institute of Urban Affairs (NIUA), India
13:50-14:10	Financing and business models for enhancing access to climate technologies for cities	Mr. Woochong Um Director General, Sustainable Development and Climate Change Department, Asian Development Bank (TBC)

14:10-14:30	Intellectual property strategies for facilitating diffusion of climate technologies in cities	Mr. Nirmalya Syam Senior Program Officer, Health, Intellectual Property and Biodiversity Program, South Centre, Geneva, Switzerland
14:30-14:50	Technology cooperation for cross-border transfer of innovative climate technologies	Dr. Suil Kang, CTCN (TBC)
14:50 -15:10	Collaboration and networks to facilitate innovation and diffusion of climate technologies for cities	Ms. Milag San Jose-Ballesteros Regional Director for East, Southeast Asia & Oceania, and Global South Diversity Lead, Singapore C40 Cities (TBC)
15:10-15:20	Open Discussion	
15:20-15:40	Coffee Break	
15:40-16:25	<p>Technical Session 4: Panel Discussion - Strengthening regional cooperation for adoption of innovative technologies for climate resilient cities</p> <p>In this session, an eminent Panel comprising representatives from Member States will share experiences and examples of innovations and technology transfer of climate technologies for sustainable urbanization and deliberate on strategies to enhance regional cooperation in this regard.</p>	
	<p><u>Representative (s) of member States</u> (TBC) (5-7 minutes each)</p> <p>Bangladesh: Dr. Md. Selim Reza, Deputy Secretary, Ministry of Science and Technology, Bangladesh</p> <p>India: Mr. Surinder Pal Singh, Joint Secretary, DSIR</p> <p>Islamic Republic of Iran: Dr. Seyed Moslem Mousavi Dorcheh, Department of Technology Studies, IROST, Iran</p> <p>Philippines: Atty Marion Ivy D Decena, Director, DOST-Technology Application and Promotion Institute, Philippines</p> <p>Republic of Korea: Dr. Eun Joo Kim, Principal Researcher, Science and Technology Policy Institute (STEPI), Republic of Korea</p> <p>Uzbekistan: Mr. Olimjon Tuychiev, Director-General, National Office for Innovation Implementation and Technology Transfer under the Ministry of Innovative Development, Republic of Uzbekistan</p> <p>Representatives from China, Indonesia, Malaysia, Nepal, Pakistan, Sri Lanka, Thailand and Viet Nam (tbc)</p>	
16:25-16:30	Closing session	