



International Conference on
SCALING UP AND ADOPTION OF FOURTH INDUSTRIAL REVOLUTION TECHNOLOGIES
FOR CLIMATE RESILIENCE

15 September 2023
Guangzhou, China (Virtual Mode)

Organizer:

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

Advisor:

- Department of International Cooperation, Ministry of Science and Technology, People’s Republic of China

Host :

- Asia-Pacific Regional Innovation Knowledge Network for 4th Industrial Revolution Technologies (APRIKNET-4IR) and Secretariat Office, People’s Republic of China

TENTATIVE PROGRAMME

Date: The 15th of September 2023

Time: 11:00 – 15:00 (China time; GMT+8:00)

11:00-11:15	OPENING SESSION
	<p>Inaugural Address Representative of Ministry of Science and Technology, People’s Republic of China - tbc</p> <p>Opening Remarks Dr. Preeti Soni Head, Asian and Pacific Centre for Transfer of Technology (APCTT), UNESCAP</p> <p>Group Photo</p>
11:15-12:00	SESSION I: Perspectives on policy and incentives for promoting 4IR technologies to address climate change
	<p>Moderator: Prof. Seeram Ramakrishna, Professor of Mechanical Engineering, Singapore National University</p>
11:15-11:30	Opportunities and challenges of harnessing 4IR technologies for climate resilience
	<p>Dr. Maki Kawai, Member, United Nations' Ten-Member Group supporting Technology Facilitation Mechanism for SDGs; President, National Institutes of Natural Sciences, Japan</p>

11:30-11:45	Global climate change and rocky desertification control Professor YUAN Daoxian, Academician, Institute of Karst Geology, Ministry of Natural Resources, China
11:45-12:00	Open Discussion
12:00-12:45	Lunch
12:45-14:15	SESSION II: Strategies for scaling up and adoption of 4IR technologies to address climate change Moderator: Lu Qu, Ph.D., Shanghai Institute of AI for Education, East China Normal University
12:45-13:00	Role of multilateral development banks (MDBs) in financing climate resilience technologies Ms. Julija Kuklyte Polycarp, Climate Change Specialist, Asian Infrastructure Investment Bank (AIIB), Beijing, China
13:00-13:15	Human activities and climate change over Asia: Attribution and projection- Professor JIANG Jie, Institute of Atmospheric Physics, Chinese Academy of Sciences, China
13:15-13:30	Green skills in 4IR technologies for climate resilience Ms. Miriam Heidtmann, Programme Director, Regional Cooperation in TVET (RECOTVET) in ASEAN, GIZ
13:30-13:45	Business models of 4IR technology applications in addressing climate change Dr. LI Yuchen, Chief Scientist of WAYTOUS, China
13:45-14:00	Skills and entrepreneurship in 4IR technologies for the green transformation Dr. Giulia Ajmone Marsan, Director of Strategy and Partnership, Economic Research Institute for ASEAN and East ASIA (ERIA), Jakarta, Indonesia
14:00-14:15	Open Discussion
14:15-15:00	SESSION III: Panel discussion – opportunities and challenges for strengthening regional cooperation Moderator: Dr. Preeti Soni, Head of APCTT
	Panellists: Representatives from member States Professor Ai Likun Institute of Tibetan Plateau Research, Chinese Academy of Sciences Dr. Sujata Chaklanobis Advisor/Scientist "G" at Department of Scientific and Industrial Research (DSIR), Ministry of Science and Technology, Government of India Dr. Renat B. Shakirov Associate Prof., Deputy Director for Scientific Work of V.I. Il'ichev Pacific Oceanological Institute, Far Eastern Branch Russian Academy of Sciences, Russian Federation

Mrs. Nongnuch Chunbandhit
Director of the International Cooperation Strategy Group, International Affairs
Division, Office of the Permanent Secretary, Ministry of Higher Education, Science,
Research, and Innovation (MHESI), Thailand

Closing remarks