



Regional Workshop on

**NEW PARADIGMS OF INNOVATION AND TECHNOLOGY TO ADDRESS
THE CHALLENGES OF COVID-19 PANDEMIC**

**3 November 2020
Tashkent, Uzbekistan**

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)

Jointly with

Ministry of Innovative Development, Republic of Uzbekistan

BACKGROUND

The worldwide outbreak of COVID-19 has posed serious challenges to the public health and economic development of countries. In this pandemic situation, science, technology and innovation (STI) has come to the rescue of countries on both fronts- to directly respond to the health challenges, as well as to provide adapting solutions during lockdowns and restrictions of business activities.

Towards containing the spread of the pandemic, new and emerging technologies and innovations are playing a significant role in population screening, tracking the infection, contact tracing and designing targeted responses such as the development of new vaccines and medicines. Technologies and innovations are also supporting continuation of economic and social activities during the pandemic, ensuring employees' safety and restoration of business activities, delivering services and education in distance, among others. Prominent examples of such emerging technologies are the digital and fourth industrial revolution (4IR) technologies

(e.g. Internet of things (IoT), Artificial Intelligence (AI), Big Data analysis, Intelligent Manufacturing systems, etc.). These technologies are also considered vital in supporting economic recovery in terms of providing novel and more efficient ways of conducting business, education, production, research and development.

Strengthening international technology cooperation is being recognized as an important means to deal with the challenges of COVID-19. Sharing of experiences and best practices of national strategies, collaborative research and development, innovation, and cross-border technology transfer are considered important to address the challenges of pandemic effectively.

Given the scale and impacts of COVID-19 pandemic, this regional workshop will provide a platform to share and deliberate on the challenges, strategies and best practices from the Asia Pacific and facilitate effective recovery from the pandemic.

OBJECTIVES

- Deliberate on the role of science, technology, and innovation to accelerate progress on achieving the Sustainable Development Goals (SDGs) and addressing COVID-19;
- Sharing of national, regional and global experiences on innovation and use of emerging technologies to address the challenges of COVID-19 and discuss areas for cooperation;
- Increase awareness on how new technologies are being utilized to fight against and mitigate the impact of COVID-19 pandemic - emerging trends, drivers and opportunities;
- Deliberate on open technology platforms to enhance access to information and promote research and development, education and healthcare - areas of intervention for policymakers to prepare for post COVID-19 pandemic.

TARGET AUDIENCE

Government officials, research scientists, private sector representatives, technology intermediaries, SMEs and other relevant stakeholders involved in innovation and technology transfer.

EXPECTED OUTPUTS & RESULTS

- Presentations on policies, strategies, experiences and best practices in using emerging technologies to fight against COVID-19 pandemic;
- Increased knowledge and understanding of emerging technology innovations to address the challenges of the pandemic and other issues related to sustainable development;
- Increased understanding of stakeholders on sharing of resources for collaborative research and innovation, and regional technology cooperation to minimize the impact of the pandemic on economy;

- Recommendations for policies and measures to enhance innovations for building back better and faster during and after the pandemic.

TENTATIVE AGENDA

Uzbekistan time, GMT +5.0		
Inaugural Session		
1100-1145	Screening of Video from Uzbekistan	
	Opening Address	<p>Ms. Michiko Enomoto Head, Asian and Pacific Centre for Transfer of Technology (APCTT) of the United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)</p>
	Opening Remarks	<p>Mr. Shakhobiddin Sharifov Director of the Scientific and Practical Center for the Implementation of Innovation Developments</p>
	Address	<p>Mr. Aziz Aliyev Consul General of Uzbekistan in Thailand, Permanent Representative of Uzbekistan to UNESCAP</p>
	Keynote address	<p>H.E. Mr. Ibrokhim Abdurakhmonov Minister of Innovative Development of the Republic of Uzbekistan</p>
	GROUP PHOTO	

1145-1300 Technical Session I – Innovations and technologies to respond to COVID-19 – Experiences and good practices Moderator: Ms. Michiko Enomoto , Head, Asian and Pacific Centre for Transfer of Technology, United Nations Economic and Social Commission for Asia and the Pacific		
1145-1200	Role of the new and emerging technologies to address COVID-19 and sustainable development.	Ms. Michiko Enomoto Head, Asian and Pacific Centre for Transfer of Technology, United Nations Economic and Social Commission for Asia and the Pacific
1200-1215	Co-innovation: International collaboration in innovation towards Redesigning Economies	Dr. Nanda Kumar Janardhanan Research Manager - Climate and Energy; Regional Coordinator - South Asia, IGES
1215-1230	Emerging innovations to promote new paradigms of work, education, communication, manufacturing, retail and public services	Ms. Saida Yusupova CEO/Founder, Green Business Innovation; Co-Founder, Tech4Impact; Regional Ambassador, Technovation, Uzbekistan
1230-1245	Role of fourth industrial revolution (4IR) technologies to drive inclusive economic growth during the pandemic	Prof. Xue-Feng Yuan Director, Institute for Systems Rheology, Guangzhou University, China & Founding Director, National Supercomputer Centre, Guangzhou, China
1245-1300	Discussion	
1300-1400	LUNCH	
1400-1440 Technical Session II – Shifting towards digital economy triggered by COVID -19 Moderator: Ms. Malika Odilova , Leading specialist, Ministry of Innovative Development of the Republic of Uzbekistan		
1400-1415	Digital innovations to support economic and social activities during the pandemic – Women-led innovations in consolidating and transforming COVID-19 response systems	Ms. Lei Motilla Co-founder, AI4GOV Philippines

1415-1430	How open source software and practices can be leveraged to accelerate innovation to prepare for post COVID-19 pandemic	Ms. Clare Dillon Technology Evangelist Clare Dillon Consulting Ireland
1430-1440	Discussion	
1440-1555 Technical Session III –Science, Technology and Innovation to build sustainable, inclusive and resilient society in the post-Covid-19 crisis Moderator: Dr. Kalenzi Cornelius, KAIST		
1440-1455	Strategies for designing sustainable societies post COVID-19 and role of 4IR technologies	Dr. Kalenzi Cornelius Recent Fellow, World Economic Forum and Postdoctoral Fellow of the Korea Policy Center for the Fourth Industrial Revolution, Korea Advanced Institute of Science and Technology (KAIST), Republic of Korea
1455-1510	STI for people-centered solutions as the response to COVID-19 shock - perspective from Uzbekistan	Mr. Sherzod Saparov Bakhtiyarovich Deputy Chairman The Nationwide Movement "Yuksalish" Uzbekistan
1510-1525	Role of academic institutions in the development of innovative technologies to respond to COVID-19	Dr. Rakesh Mishra Director, CSIR-Centre for Cellular and Molecular Biology (CSIR-CCMB), India
1525-1540	Discussion	
1540-1600	Closing Remarks	Ms. Shakhlo Utkurovna Turdikulova First Deputy Minister of Innovative Development of the Republic of Uzbekistan Ms. Michiko Enomoto Head, Asian and Pacific Centre for Transfer of Technology, United Nations Economic and Social Commission for Asia and the Pacific