



Workshop on Strengthening Technology Transfer Capacities of Countries in Central Asia

30-31 May 2018,

**Conference Hall Business Center “AURA” - Mangilik El Av., 55 A
Astana, Kazakhstan**

Background

Science, technology and innovation (STI), plays a central role in helping countries achieve economic development and prosperity. STI can help in identifying and addressing barriers for sustainable development challenges through innovative and affordable solutions. In the context of Agenda 2030 for achieving the sustainable development goals (SDGs), the role of STI is of paramount importance. STI features strongly both in Goal 17 on Means of Implementation, as well as a cross-cutting one to achieve several sectoral Goals and Targets¹.

Knowledge of and access to innovative technologies holds the key to enhance competitiveness. Availability of productivity enhancing technologies and the skills to effectively deploy them could significantly influence the way businesses function and make them more profitable. Such a transformation would also be helpful in narrowing economic disparities that exist between urban and rural areas in countries in Central Asia. To strengthen the technology transfer capacities of countries in Central Asia, it is essential to build capacities of the value chain actors in these countries including policymakers, regulators, industry associations, technology promotion agencies, research and development organizations and business enterprises. Sharing of best practices related to promoting and nurturing innovation is critical for enhancing awareness of policymakers on available opportunities and how to exploit them. It is essential to strengthen the capacity of enterprises to successfully handle the technology transfer process in a holistic manner and develop skills ranging from business case preparation, technology sourcing, technology assessment, technology selection, technology pricing, negotiation, contract finalization, implementation and impact assessment.

This workshop on strengthening technology transfer capacities of countries in Central Asia is part of the ongoing efforts of UN Economic Commission for Europe (UNECE) and the Asian and Pacific Centre for Transfer of Technology (APCTT) of the United Nations Economic and Social Commission for Asia and the Pacific in strengthening capacities of countries in promoting cross-border transfer of technologies and innovations. The National Agency for Technological Development (NATD), Kazakhstan has a specific mandate to facilitate industry-industry technology transfer as well as cross-border sharing of knowledge, best

¹ Report of the Expert Group “Follow-up to Rio+20, notably the SDGs”
(http://ec.europa.eu/newsroom/horizon2020/document.cfm? doc_id=12065)

practices and technologies between enterprises in Kazakhstan and their counterparts in other countries.

Workshop objectives

At the end of the workshop, the participants will have better understanding and enhanced awareness on:

- Achieving Sustainable Development Goals (SDGs) through Science, Technology and Innovation (STI)
- Facilitating regional cooperation for strengthening innovation ecosystem in participating member countries
- Institutions, processes and platforms available for cross-border technology transfer cooperation in Central Asia
- Critical issues that commonly arise in the management of international technology transfer activities in today global business setting.
- Effective planning and implementation of international technology transfer.
- Effective management of the intellectual property rights and technology valuation.
- Planning, development and implementation of technology transfer projects.

Organizers

This workshop is organised the United Nations Economic Commission for Europe (ECE) in partnership with the Asian and Pacific Centre for Transfer of Technology (APCTT) of the United Nations Economic and Social Commission for Asia and the Pacific and National Agency for Technology Development (NATD), Kazakhstan.

Targeted participants

Senior policymakers involved in the promotion of science, technology and innovation (STI), representatives from business enterprises, chambers of commerce and business support institutions, technology business intermediaries; and innovation promotion agencies in countries in Central Asia.

Programme

<u>Day 1 (30 May 2018)</u>		
0900-1000	Host opening by Moderator Inaugural Address	Mr. Omarov Marat Talgatovich, Chief Executive Officer, NATD H.E. Toktabayev Timur Serikovich, Vice Minister, Investments and Development, Republic of Kazakhstan Mr. Aidar Arifkhanov - Chairman of Baiterek National Managing Holding

	<p>Remarks from UNECE</p> <p>Remarks from APCTT – ESCAP</p> <p>Remarks from UN Resident Coordinator, Kazakhstan</p> <p>Brief Introduction of the Participants</p> <p>Group Photo</p> <p>Coffee Break</p> <p>Presidium:</p> <p>Ms. Michiko Enomoto, Head, APCTT-ESCAP</p> <p>Mr. Norimasa Shimomura, UN Resident Coordinator, Kazakhstan</p> <p>H.E. Toktabayev Timur Serikovich, Vice Minister, Investments and Development, Republic of Kazakhstan</p> <p>Mr. Aidar Arifkhanov - Chairman of Baiterek National Managing Holding</p> <p>Ms. Asem Botaevna - Director of the Department of Technological and Innovation Development, Ministry of Investments and Development, Republic of Kazakhstan</p> <p>Mr. Berik Temirgalievich – Chairman of Kazakhstan Industry Development Institute</p> <p>Mr. Kanat Kurmashevich - Deputy Chairman of the Committee for Industrial Development and Industrial Safety of the Ministry of Investments and Development, Republic of Kazakhstan</p> <p>Moderator:</p> <p>Mr. Omarov Marat Talgatovich, Chief Executive Officer, NATD</p>	<p>Mr. Anders Jönsson, Chief, Innovative Policies Development Section, UNECE</p> <p>Ms. Michiko Enomoto, Head, APCTT-ESCAP</p> <p>Mr. Norimasa Shimomura, UN Resident Coordinator, Kazakhstan</p>
--	---	---

SESSION I: Technology Transfer – Global and Regional Perspectives**Moderator: Mr. Omarov Marat Talgatovich**, Chief Executive Officer, NATD

1000-1030	Leveraging Science, Technology and Innovation (STI) for Achieving Sustainable Development Goals	Ms. Michiko Enomoto, Head, APCTT-ESCAP
1030-1100	Taking Advantage of the Fourth Industrial Revolution – Challenges and Opportunities for Central Asia and One Belt One Road Initiative	Mr. Anders Jönsson, Chief, Innovative Policies Development Section, UNECE
1100-1130	Technology Transfer – Opportunities and Challenges in Countries in Central Asia	Mr. Anders Jönsson, Chief, Innovative Policies Development Section, UNECE
	Technology Transfer and Innovation for Sustainable Production	Katia Adamo, Economic Affairs Officer, Innovative Policies Development Section, UNECE
1130-1200	Technology Transfer – the enabling environment and policy coordination	Dimo Calovski, Economic Affairs Officer, United Nations Conference on Trade and Development
1200-1230	Perspectives of cooperation of public authorities, national companies and development institutes in the innovation ecosystem (tbc)	Representative of Ministry of Investment and Development of Kazakhstan
1230-1300	Q&A and Conclusions Session I	
1300-1400	Lunch	

SESSION II: Government involvement in technology transfer promotion**Moderator: Mr. Anders Jönsson**, Chief, Innovative Policies Development Section, UNECE

1400-1430	The Technology Transfer ecosystem in Turkey and the role of The Scientific and Technological Research Council of Turkey (TÜBİTAK)	Murat Baybali, Director, TÜBİTAK, Turkey
1430-1500	Financing technology for innovation: gaps, instruments and key considerations	Dimo Calovski, Economic Affairs Officer, United Nations Conference on Trade and Development
1500-1530	Coffee Break	
1530-1700	Group work identifying technology transfer stimulating strategies; participants mutual learning (working in teams under expert supervision)	
1700-1730	Recommendations and Conclusions Day I	

Day 2 (31 May 2018)		
SESSION III: Engaging Private Sector for Promoting Cross-border Technology Transfer		
Moderator: Ms. Michiko Enomoto, Head, United Nations APCTT-ESCAP		
0900-0930	Welcome Remarks and Introduction of Workshop +Presentation of NATD	Mr. Omarov Marat Talgatovich, Chief Executive Officer, NATD
0945-1015	Case Study on Technology Valuation	Mr. Krishnan S. Raghavan, Coordinator, APCTT-ESCAP
1015-1045	License agreements and understanding Intellectual Property Issues Involved in Technology Transfer	Mr. Satyabrata Sahu, Coordinator, APCTT
1045-1100	Coffee Break	
1100-1130	Planning and Managing Technology Transfer Projects for Enterprises – Life Cycle Approach	Mr. Krishnan S. Raghavan, Coordinator, APCTT-ESCAP
1130-1200	Screening, Short-listing and Selecting Technologies – Successful Examples from the Asia-Pacific Region	Mr. Satyabrata Sahu, Coordinator, APCTT
1200-1300	Case studies on transferred technologies to Kazakhstan (problems faced, opportunities, etc.)	Representatives from Companies that Transferred Technologies to Enterprises in Kazakhstan (Turkish Aselsan, LLC Kainar-AKB, LLC Bilim Media Group)
1300-1400	Lunch	
1400-1430	Case studies from Turkey Empowering people on the frontlines of healthcare for cost effective management Waste free citrus oil and citrus juice production system	Burçak AKSÖZ, Deputy Director General, Livewell Wearable Health, Product, Service and Technologies Industry and Trade Inc. Numan GÖBEKLİ, Founder, TASARGEM Energy Construction Machine Engineering Agriculture Industry and Trade Inc.
1430-1530	Group Discussion on Opportunities and Challenges for Technology Transfer in Specific Sectors: Agri-Food, Engineering, Mining, ICT and ICT-Enabled Business Services, Energy, New Materials in Chemicals and Construction Industries	NATD, Kazakhstan (Transfer Technology Centre + Analytical Centre) Participants from Central Asia
1530-1545	Coffee Break	
1545-1645	Presentations from Sector-Specific Groups Formulating technological requests	Groups representatives reporting on group discussion APCTT
1645-1715	Concluding Remarks	UNECE, APCTT and NATD, Kazakhstan