



**ADB I Virtual Workshop on
Analyzing Infrastructure Impacts in Asia Through Big Data: Spillover and Financing
3-4 June 2021
14:00-17:00 PM (Tokyo time)**

Agenda

Infrastructure development could provide an important boost to COVID-19 recovery among developing Asian economies but will require financing solutions that address growing constraints on the use of public funds for projects due to the pandemic. New funding sources are particularly vital for tackling the region's sustainable infrastructure investment gap, which is equal to 2.4% of GDP and includes financing for climate mitigation and adaptation.

This first of three ADBI virtual workshops on analyzing infrastructure impacts in Asia through big data will examine new, big data-based research proposals on infrastructure's socioeconomic spillover effects and measures for optimizing them to mobilize private investment growth. It will also feature a related training session with Keio University Professor Emeritus Naoyuki Yoshino.

Day 1: June 3, 2021 (Thursday)

13:50-14:00 Introduction (Technical Guidance) and speakers' group photo
Dina Azhgaliyeva, Research Fellow, Asian Development Bank Institute (ADBI), Japan

Opening Remarks

14:00-14:05 Tetsushi Sonobe, Dean and CEO, ADBI, Japan

Session 1 Presentations I

14:05-15:35 Chair: Dina Azhgaliyeva, Research Fellow, ADBI, Japan

14:05-14:15 **Paper 1:** Predictive Analytics and Decision Making in Climate Infrastructure Solutions

Author: Eugene Chao

14:15-14:20 Q&A

14:20-14:30 **Paper 2:** Big Data and Labor Mobility: How ICT and transport infrastructure can improve employment and livelihoods across the CAREC region

Authors: David Wells Roland-Holst, Kamalbek Karymshakov, Burulcha Sulaimanova, Kadyrbek Sultakeev

14:30-14:35 Q&A

14:35-14:45 **Paper 3:** The socioeconomic impact of land use policy and metro investment in urban India: Through remote sensing floor area ratio detection

Authors: Liming Chen, Rana Hasan, Ravi Ponnareddy

14:45-14:50 Q&A

14:50-15:00 **Paper 4:** Assessing the Effectiveness of Infrastructure Investment in Central Asia: Evidence from Uzbekistan

Authors: Umid Abidhadjaev, Shakhrukh Bobojanov

15:00-15:05 Q&A

15:05-15:15 **Paper 5:** Can investments in soft infrastructure deliver a sustainable and inclusive economic boost to Central Asian nations post COVID-19

Author: Jonathan Lane

15:15-15:20 Q&A

- 15:20-15:30 **Paper 6:** CBA of Spillover tax revenues of infrastructure: case study of High-Speed Railway in Asia
Authors: Naoyuki Yoshino, Kai Xu, Deepanshu Agarwal, KE Seetha Ram
- 15:30-15:35 Q&A

Session 2 Training I
15:35-17:05 Spillover effects of infrastructure investment: Theory and empirical applications
60 min Naoyuki Yoshino, Professor Emeritus, Keio University, Japan
30 min Q&A

Day 2: June 4, 2021 (Friday)

- 13:50-14:00 Introduction (Technical Guidance) and speakers' group photo
Dina Azhgaliyeva, Research Fellow, ADBI, Japan

Session 3 Training II
14:00-15:30 Spillover tax revenues for attracting private finance into infrastructure
60 min Naoyuki Yoshino, Professor Emeritus, Keio University, Japan
30 min Q&A

15:30-15:40 Short break (10 min)

Session 4 Presentations II
15:40-16:55 Chair: KE Seetha Ram, Senior Consulting Specialist for Capacity Building and Training Projects, ADBI, Japan

- 15:40-15:50 **Paper 7:** Spatial Development in the Greater Mekong Subregion
Authors: Kenmei Tsubota, Souknilanh Keola
- 15:50-15:55 Q&A
- 15:55-16:05 **Paper 8:** Evaluating COVID-19 impact on firm performance in Central Asia Using WBES and Night-Time Light Data
Authors: Dina Azhgaliyeva, Ranjeeta Mishra, Kamalbek Karymshakov
- 16:05-16:10 Q&A
- 16:10-16:20 **Paper 9:** Viewing regional economic dynamics from above using nighttime lights and land cover: Insights from dimly lit islands
Author: Jesson Pagaduan
- 16:20-16:25 Q&A
- 16:25-16:35 **Paper 10:** Market Access and Firm Performance in India
Authors: Somnath Sharma, Shashi Kant, Takafumi Kawakubo, Ranjeeta Mishra, Dina Azhgaliyeva
- 16:35-16:40 Q&A
- 16:40-16:50 **Paper 11:** Policy Note on Spillover Effect of Information Technology Infrastructure in India
Authors: Naoyuki Yoshino, Kai Xu, Karti Berry, Deepanshu Agarwal, KE Seetha Ram (Video)
- 16:50-16:55 Q&A

Concluding remarks

- 16:55-17:00 Peter Morgan, Senior Consulting Economist, Vice Chair of Research, ADBI, Japan

Note: Time allocation per paper (excluding training): 10 min for presentation and 5 min for Q&A