



Analyzing Infrastructure Impacts in Asia Through Big Data: Socioeconomic Spillover Assessment

16-18 May 2022

15:00-17:45 Tokyo time

Virtual

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.

Cohosted with the Central Asia Regional Economic Cooperation (CAREC) Institute, this final virtual workshop of the ADBI series on infrastructure impact analysis in Asia through big data will examine new, big data-based research on infrastructure's socioeconomic spillover effects and measures for optimizing them to mobilize private investment growth within the sector.

Day 1: 16 May (Monday) 15:00 - 17:20 (Tokyo time)

Introduction (Technical Guidance) and speakers' group photo

14:50-15:00 **Dina Azhgaliyeva**, Research Fellow, Asian Development Bank Institute (ADBI), Japan

Opening Session

15:00-15:10 **Welcoming Remarks**

Tetsushi Sonobe, Dean and CEO, ADBI, Japan

Syed Shakeel Shah, Director, CAREC Institute, People's Republic of China

15:10-15:35 **Keynote Speech**

Using Data to Analyze Impact and Spill Over of Investment on Communities

Khimji Vaghjiani, Professor, Business, Torrens University, Australia
Q&A

Session 1 **Chair: Dina Azhgaliyeva**, Research Fellow, ADBI, Japan

15:35-17:20

15:35-16:10 **1: ICT and Labor Mobility: Online Search and Prediction of Remittances in Kyrgyzstan**

Presenter: David Wells Roland-Holst, Professor, Economics, University of California – Berkeley, United States; **Kamalbek Karymshakov**, Associate Professor, Finance and Banking, Kyrgyz-Turkish Manas University, Kyrgyz Republic; **Burulcha Sulaimanova**, Assistant Professor, PhD., Economics, Kyrgyz-Turkish Manas University, Kyrgyz Republic; **Kadyrbek Sultakeev**, PhD Candidate, Institute of Agricultural Policy and Market Research, Justus-Liebig Universität, Germany

Discussant: Takahiro Yabe, Postdoctoral Associate, Institute for Data, Systems, and Society, Massachusetts Institute of Technology (MIT), United States

Q&A

16:10-16:45 **2: Spatial Development in the Greater Mekong Subregion**

Presenter: Kenmei Tsubota, Professor, Faculty of Global and Regional Studies, Toyo University, Japan

Discussant: Naoyuki Yoshino, Professor Emeritus, Keio University, Japan

Q&A

16:45-17:20 **3: Market Access and Firm Performance**

Presenter: Somnath Sharma, Assistant Adviser, Department of Economic and Policy Research, Reserve Bank of India, India

Discussant: Mark Roberts, Lead Urban Economist, Urban, Disaster Risk Management, Resilience and Land Global Practice, World Bank, United States

Q&A

Day 2: 17 May (Tuesday) 15:00 - 17:45 (Tokyo time)

Introduction (Technical Guidance) and speakers' group photo

14:50-15:00 **KE Seetha Ram**, Senior Consulting Specialist for Capacity Building and Training Projects, ADBI, Japan

Keynote Speech

15:00-15:25 **Socio-economic Spillover Effect of Digital Communications Infrastructure in India and Big Data Possibilities**

TV Ramachandran, President, Broadband India Forum (BIF), India

Q&A

Session 2
15:25-16:35 **Chair: KE Seetha Ram**, Senior Consulting Specialist for Capacity Building and Training Projects, ADBI, Japan

15:25-16:00 **4: Cost Benefit Analysis of Spillover tax revenues of infrastructure case study of High-Speed Railway in Asia**

Presenter: Kai Xu, Senior Consultant, International Development

Department, PADECO, Japan

Discussant: Ayooob Ayooobi, Chief of Capacity Building, CAREC Institute, PRC

Q&A

16:00-16:35 **5: Macroeconomic Aspects of Infrastructure Investment and its Application to Specific Projects**

Presenter: Naoyuki Yoshino, Professor Emeritus, Keio University, Japan

Discussant: Shu Tian, Economist, Economic Research and Regional Cooperation Department (ERCD), ADB, Philippines

Q&A

Session 3 **Chair: Arnaud Heckmann**, Principal Urban Development Specialist, East Asia Regional Department, ADB, Philippines

16:35-17:10 **6: Managerial Lessons in the COVID Era: Infrastructure Investment and City Development**

Presenter: Eugene Chao, Faculty Research Associate, Finance, The Wharton School, United States; **Liz Chen**, Architectural Transportation Research Fellow, School of Design, University of Pennsylvania, United States

Discussant: Daisuke Watanabe, Professor, Department of Logistics and Information Engineering, Tokyo University of Marine Science and Technology

Q&A

17:10-17:45 **7: The Socioeconomic Impact of land Use Policy and Metro Investment in Urban India: Through Remote Sensing Floor Area Ratio Detection**

Presenter: Liming Chen, Young Professional, South Asia Department, ADB, Philippines

Discussant: Takahiro Yabe, Postdoctoral Associate, Institute for Data, Systems, and Society, Massachusetts Institute of Technology (MIT), United States

Q&A

Day 3: 18 May (Wednesday) 15:00 - 17:20 (Tokyo time)

Introduction (Technical Guidance) and speakers' group photo

14:50-15:00 **Dina Azhgaliyeva**, Research Fellow, ADBI, Japan

Session: Book Publication

15:00-15:25 **Dina Azhgaliyeva**, Research fellow, ADBI, Japan

KE Seetha Ram, Senior Consulting Specialist for Capacity Building

and Training Projects, ADBI, Japan

Q&A

Session 4 **Chair: Ayoob Ayoobi**, Chief of Capacity Building, CAREC

15:25-17:10 Institute, PRC

15:25-16:00 **8: An Empirical Evidence and Proposal on the Spillover Effects of Information and Communication Technology Infrastructure in India**

Presenter: Tifani Husna Siregar, Research Assistant, ADBI, Japan

Discussant: Somnath Sharma, Assistant Adviser, Department of Economic and Policy Research, Reserve Bank of India

Q&A

16:00-16:35 **9: Evaluating COVID-19 Impact on Firm Performance in the CAREC Region Using Night-Time Light Data: Azerbaijan, Georgia, Kazakhstan and Mongolia**

Presenter: Kamalbek Karymshakov, Associate Professor, Finance and Banking, Kyrgyz-Turkish Manas University, Kyrgyz Republic;

Ranjeeta Mishra, Consultant, Division of International Finance, Department of Economic and Policy Research, Reserve Bank of India, India; **Dina Azhgaliyeva**, Research Fellow, ADBI, Japan

Discussant: Satish Ukkusuri, Professor and Director, Civil Engineering, Purdue University, United States

Q&A

16:35-17:10 **10: Hard and soft infrastructure: can investments in soft infrastructure deliver a sustainable and inclusive economic boost to Central Asian nations post COVID-19?**

Presenter: Jonathan Andrew Lane, Partner, Corporate and Sovereign Advisory, Crimson Advisory LLP, United Kingdom

Discussant: Rovshan Mahmudov, Senior Capacity Building Specialist, CAREC Institute, PRC

Q&A

Closing Session

17:10-17:20 **Closing Remarks**

Peter Morgan, Senior Consulting Economist and Advisor to the Dean, ADBI, Japan

Iskandar Abdullaev, Deputy Director, CAREC Institute, PRC

Note:

Paper presentation – 15 min; Paper discussion – 10 min; Keynote speech – 20 min; Q&A – 10 min

Questions will be welcomed during the workshop. After the discussant's presentation, there will be a live discussion on each paper. Attendees may use Q&A at the bottom of their screen to type their questions during and after the presentation. If speakers wish to ask questions live -please click 'raise hand'.