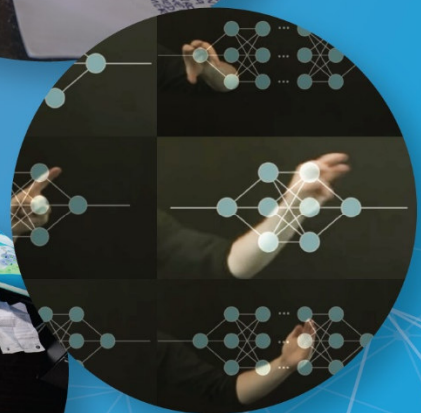# ADB

DIGITAL X ADB

Driving Digital Development across Asia and the Pacific

19–21 September 2023
Multifunction Hall 1, ADB HQ

PROGRAM

Background

Digital technologies are transforming global economies and societies at unprecedented speed and are at the forefront of the radical transformation of products, services, business models, and even entire industries. Digital technologies also have considerable potential for advancing the development agenda, accelerating climate action, and transitioning to a knowledge economy. Developing Member Countries (DMCs) can develop competitive advantage and leapfrog to the knowledge frontier. The digital transformation provides DMCs with new opportunities to draw on the vast knowledge from the internet, take advantage of new markets offered by digital platforms, and exploit production possibilities enabled by digital technologies.

Digital technologies can play a significant role in the response to the unprecedented COVID-19 pandemic and its aftershocks. In the wake of social distancing methods, quarantine measures, and travel restrictions, public and private sector institutions had to rapidly adopt digital solutions and embrace new ways of working. The accelerated change has been a boon for enterprises and institutions that had already digitalized, but it has significantly challenged others that needed to deal with infrastructure gaps, systemic challenges, digital literacy and skills barriers, the lack of capacity for tech adoption, and affordability issues.

ADB's Strategy 2030 has identified "promoting innovative technology" as one of the guiding principles for ADB operations. The strategy underscores a commitment to promote the use of advanced technologies across its operations, provide capacity building, and support DMCs in developing policies and improving the regulatory environment for the digital economy, expanding internet connectivity, and investing in hardware and software.

Today, digital transformation is no longer a choice but a necessity. Whether Asia and the Pacific is prosperous, inclusive, resilient, and sustainable will depend on whether and how we shape these transitions through policies, investments, innovations, and partnerships.

About Digital x ADB

Digital x ADB is co-organized by the Digital Technology for Development Division of the Climate Change and Sustainable Development Department and the Information Technology Department. The event is held every two years for ADB's staff members, consultants, contractors, and partners to learn about and take part in the collective effort in integrating digital into ADB's DNA.

Digital x ADB is host to knowledge sessions and workshops to raise awareness, drives conversations, and build momentum within ADB on how we strategically help the DMCs to maximize digital opportunities that lie ahead in a world reshaped by COVID-19 and navigate risks. This event is designed to provide learning opportunities of digital technologies that are being brought to the forefront of our operations, our investments, and our work.

Digital Technology for Development Division, Climate Change and Sustainable Development Department

The Digital Technology for Development Division (CCDT), formerly the Digital Technology for Development Unit, is established to promote digital technology across ADB operations by (i) providing strategic operational support; (ii) enhancing knowledge; (iii) facilitating talent management for digital technology, and (iv) carrying out specific DT-related tasks. CCDT enables ADB to respond to the increasing demand from DMCs for the Bank's support in the application of digital technologies in various sectors and thematic projects.

Information Technology Department

As a strategic business partner for all ADB departments and offices, the Information Technology Department (ITD) implements digital products and services to drive efficiency, collaboration, innovation, and knowledge across ADB. ADB's Strategy 2030 promotes ADB's digital transformation and business process modernization, as well as increased resiliency.

Day 1 - Tuesday, 19 September | Multifunction Hall 1	
DIGITAL X ADB	**Digital Infrastructure – the Role for Development Finance**
	Master of Ceremonies **Mitzi Borromeo,** *Media and Communication Specialist*
9:00–9:05 a.m.	**Welcome Remarks and Introduction of ADB President** **Fatima Yasmin,** *Vice-President, Sectors and Themes, ADB*
9:05–9:10 a.m.	**Opening Remarks** **Masatsugu Asakawa,** *President, ADB*
9:10–9:15 a.m.	**Welcome Remarks and Introduction of Keynote Speaker** **Bruce Gosper,** *Vice-President, Administration and Corporate Management, ADB*
9:15–9:30 a.m.	**Keynote Speech: Digital Transformation in the Age of AI - Insights for ADB** **Misiek Piskorski,** *Dean of IMD Asia and Oceania and Professor of Strategy and Innovation at IMD Business School*
9:30–11:00 a.m.	**Building the Digital Infrastructure of the Future** **- Accelerating inclusive and climate positive digital transformation** **Panel Discussion** The post-pandemic world has witnessed a surge in investments in digital infrastructure aimed at expanding coverage and access as well as enhancing the quality of digital connectivity in order to keep pace with the accelerating rate of digital transformation. Governments worldwide have also made closing the digital infrastructure deficits at the forefront of their national economy agendas. How can we ensure the current momentum effectively tackles the long-standing challenge of closing the digital divide and propelling us towards a digitalized and climate positive future? The session focuses on the 'supply-side' of digital infrastructure and explores how ADB could support DMCs in mobilizing and shaping investment opportunities to advance their digital development goals. **Moderator**: **Yoonee Jeong,** *Senior Digital Technology Specialist (Digital Infrastructure and Economy), Digital Technology for Development Division, Climate Change and Sustainable Development Department* **Panelists**: ● **Michaela Browning**, *Vice President, Government and Public Policy for Asia Pacific, Google* ● **Clemente Antonio Puno IV**, *Head of Southeast Asia Investment Banking, BofA Securities* ● **Mohit Gidwani,** *Partner in TMT, Southeast Asia, Roland Berger* ● **Christoph Wagner**, *Head of Cooperation, EU Delegation to the Philippines* ● **John Garrity,** *Chief of Party, USAID's Better Access and Connectivity (BEACON) Project*

11:00–11:15 a.m.	Break
11:15 a.m.–12:00 p.m.	## ADB's Digital Transformation Action Plan (DTAP) The next stage of digital transformation is here. Fueled by a singular digital vision and ambition, ADB will evolve into an insight-driven organization powered by advanced analytics and AI augmentation, becoming a digitally connected business. Its digital ambition was jointly developed by ITD with other departments as part of wide-ranging consultation meetings and envisioning workshops, generating initiatives in alignment with the Strategy 2030 and the New Operating Model. The next stage will (i) Support unique ADB strengths to differentiate our value proposition to our clients and partners in the DMCs; (ii) Enable ADB to act as OneADB; (iii) Empower the new ways of working; (iv) Design client-centric digital solutions powered by data analytics and AI augmentation; (v) Leverage our extended partnership ecosystem as our force multipliers; and (vi) Achieve technology operations excellence. **Moderator**: Stephanie Hung, *Director General, Information Technology Department* **Discussants:** • **David Hardoon**, CEO, ADI • **Nicolas Mirravalls**, CEO, ORIS
12:00–1:05 p.m.	Break
1:05–2:20 p.m.	## The Promise of Digital Public Infrastructure (DPI) ### - Exploring Opportunities for Adoption and Scaling ### Panel Discussion Digital Public Infrastructure (DPI) refers to services such as identification (ID), payment, and data exchange systems that help governments deliver vital services to citizens. DPIs are built with open standards and open protocols and allow for cost-efficient adaptation and scaling. Increasingly recognized as essential infrastructure in today's digital age, *How can ADB developing member countries – which often lack domestic capabilities – build on top of an open source DPI software stack? What level of readiness in data management, governance, and regulatory frameworks is required? How can development partners assist?* **Moderator: Thomas Abell,** *Director, Digital Technology for Development, Climate Change and Sustainable Development Department, ADB* **Panelists:** • **Mohamed Shareef,** *Minister of State for Environment, Climate Change and Technology, Maldives* • **M. Jae Moon,** *Dean, College of Social Sciences, Distinguished Professor, Department of Public Administration, Yonsei University and Director, Institute of Future Government, Republic of Korea* • **Sanjay Anandaram,** *Executive Board Member, Modular Open Source Identity Platform (MOSIP), India* • **Emma Veve,** *Deputy Director General, Southeast Asia Department, ADB*
2:20–2:40 p.m.	Break

2:40–3:55 p.m.	**Earth Observation, National Spatial Data Infrastructure**
	Panel Discussion
	In recent years we have seen an increasing number of space agencies promoting using space assets to deliver free and open data. The private sector is also making new investments in the space economy. This impressive amount of raw data requires powerful processing infrastructure; this session will discuss the needs and opportunities for DMCs. National Spatial Data Infrastructures are also evolving to create downstream applications that will rely on the exploitation of national datasets including geospatial products derived from Satellite Earth Observation.
	Moderators:
	• **Yoonee Jeong,** *Senior Digital Technology Specialist (Digital Infrastructure and Economy), Digital Technology for Development Division, Climate Change and Sustainable Development Department*
	• **Paolo Manunta,** *Senior Digital Technology Specialist (Earth Observation), Digital Technology for Development Division, Climate Change and Sustainable Development Department*
	Panelists:
	● **Benjamin Koetz**, *Head of Sustainable Initiatives Office, Science, Applications and Climate Department Directorate of Earth Observation Programmes, European Space Agency*
	● **M. Rokhis Khomarudin**, *Senior Researcher, ORPA-BRIN Indonesia*
	● **Joel Joseph S. Marciano, Jr.**, *Director General, Philippines Space Agency*
	● **Maria Pia Ancora**, *Senior Urban Development Specialist, ADB*
	● **Suren Tovmasyan**, *Chairman of the Cadastre Committee, Government of Armenia*
3:55–4:15 p.m.	Break
4:15–5:30 p.m.	**Cybersecurity**
	Presentations
	The promotion of the digital economy does not come without risks; the reliance on digital technologies has exacerbated cybersecurity risks across the globe. The positive impact of digital technologies in accelerating poverty reduction can be undermined by the increase of cyber threats and risks at both national and international levels. How should cybersecurity policies and critical infrastructure protection be implemented? Good practices in the use of cybersecurity tools are discussed in this session.
	Moderator: Mary Grace Mirandilla-Santos, *ICT Policy Analyst at Secure Connections*
	Presenters:
	● **Keith Detros,** *Programme Manager, Tech for Good Institute*
	● **Frits Gerald Enriquez,** *Principal, KPMG*
	● **Aalok Kumar,** *Corporate Officer and Sr. VP-Head of Global Smart City Business and President and CEO, NEC Corporation India*
	● **Kim Kuok Chiang,** *Senior Security Advisor, Amazon Web Service (AWS)*

DIGITAL X ADB Data – Driving Digital Development

	Master of Ceremonies
	Mitzi Borromeo, *Media and Communication Specialist*
09:00–10:30 a.m.	**Artificial Intelligence and Data Analytics**
	– Development Impact, Emerging Solutions, and Governance for DMCs
	Panel Discussion
	With the recent surge of technological progress and developmental ambitions, artificial intelligence (AI) is reshaping economic landscapes and employment prospects. While AI presents tremendous opportunities for many countries, it concurrently raises socio-economic and ethical concerns and challenges. This session will delve into the recent advancements in AI and their implications for developing countries. It will assess the benefits and potential drawbacks it holds for DMCs, as well as outline ADB's recommended actions to enable these countries to harness the advantages of AI while effectively managing its inherent risks.
	Moderator: Ramayya Krishnan, *Professor and Dean, Heinz College of Information Systems and Public Policy, Carnegie Mellon University*
	Panelists:
	• **Erika Fille Legara,** *Aboitiz Chair in Data Science, Asian Institute of Management and Independent Director, Rizal Commercial Banking Corporation*
	• **Jasmine Begum,** *Regional Director, Legal and Government Affairs, Microsoft*
	• **Stephanie Sy,** *CEO and Lead Data Scientist, Thinking Machines*
	• **Eunice Huang,** *Head of AI and Emerging Tech Policy, APAC, Google*
10:30–10:50 a.m.	Break
10:50 a.m.–12:05 p.m.	**Digital Economy and Entrepreneurship**
	– Fostering Startup Ecosystem Development
	Panel Discussion
	Digital technology is driving development. Behind many pathbreaking innovations and novel business models, one finds startup entrepreneurs who were able to find the right product-market fit and bring their solutions or products to scale. Ranging from micro size ventures to well-known billion-dollar unicorn companies, startups drive the rapid growth of the digital economy in most emerging markets of Asia-Pacific.
	What are the lessons learnt by key ecosystem players in growing a vibrant startup ecosystem? How could ADB help replicate the success of leading ecosystems in other countries where ecosystems are nascent or struggling? If the smallness of an economy stands in the way of startup success, could entrepreneurs choose a different path towards growth and scale?

	Moderator: **Arndt Husar,** *Senior Public Management Specialist (Digital Transformation), Digital Technology for Development Division, ADB* **Panelists:** ● **Anish Anthony,** *Chief Delivery Officer, T-Hub, Hyderabad, India* ● **Shinta Dhanuwardoyo,** *Founder, Bubu.com and Board Chairwoman, StartupIndonesia.co* ● **Jose Avelino Flores,** *Co-Founder of Plug and Play Tech Center, Co-Founder of Launchgarage* ● **Makara Khov,** *Chairman, Cambodia Academy of Digital Technology and Secretary of State, Ministry of Posts and Telecom, Government of Cambodia* ● **Ming Tan,** *Founding Executive Director, Tech for Good Institute*
12:05–2:00 p.m.	Break
2:00–3:10 p.m.	**DATA X ADB** Marketplace of Ideas Venue: Innovation Hub Sharing of ideas for boosting ADB Operations' engagement, knowledge, capabilities, service lines and partnerships on *DATA* – as the foundation of digital transformation. These action ideas were generated through three *Data x ADB* workshops in Singapore, India, and Korea, involving ADB staff and Government delegates from 14 DMCs. Moderator: **Arndt Husar,** *Senior Public Management Specialist (Digital Transformation), Digital Technology for Development Division, CCSD, ADB*
3:10–3:30 p.m.	Break
3:30–5:00 p.m.	**DATA X ADB** SUMMIT Venue: Multifunction Hall 1 **Opening: Thomas Abell,** *Director, Digital Technology for Development Division, CCSD, ADB* **Brief Feature of Action Ideas** (20 mins): Sharing of action ideas by Data x ADB Alumni Moderator: **Arndt Husar,** *Senior Public Management Specialist (Digital Transformation), Digital Technology for Development Division, CCSD, ADB* **Panel Discussion** (1 hour) Client, Expert and Staff Perspectives and Call to Action ● **Sanjay Anandaram,** *Executive Board Member, Modular Open-Source Identity Platform (MOSIP) and Ambassador, iSpirt, India*

	Neeta Pokhrel, *Director, Water and Urban Development Sector Office, Pacific and Southeast Asia Team, ADB* **Jyotsana Varma,** *Country Director, Cambodia Resident Mission, ADB* **Winfried F. Wicklein,** *Director General, Southeast Asia Department, ADB* **N**erses Yeritsyan, *Head, Information Systems Agency of Armenia and former Deputy Governor, Central Bank of Armenia*
5:00–5:10 p.m.	## Closing Remarks **Bruno Carrasco,** *Director General, Climate Change and Sustainable Development Department, Asian Development Bank*

Day 3 - Thursday, 21 September | Multifunction Hall 1
DIGITAL X ADB   Accelerating Digital Transformation at ADB

9:00–9:30 a.m.	## AI x Impact at ADB "AI and Big Data Lab" ADB is moving towards a continuous transformation to achieve its digital ambition of becoming an insight-driven organization with platforms and AI embedded in every function. The panel will explore what's next in ADB's digital transformation journey. **Keynote on Governance of AI** **Eleonore Fournier-Tombs,** *Head, Anticipatory Action and Innovation, UNU-CPR* **Muhammad Ehsan Khan,** *The Secretary, ADB– AI Governance in ADB* **Briefing of ADB's AI and BIG DATA Lab** **Ozzeir Khan,** *Director, ITD-IA (10 mins)* **Kadra Saeed,** *Principal IT Specialist, ITD-IA*
9:30–10:40 a.m.	## Showcase of Data and AI The frenzy—and concerns—around LLMs and other types of GenAI will be with us for some time. Be inspired by the use cases being explored at ADB. **Kadra Saeed,** *Senior IT Specialist, ITD AI and Data Lab* - Briefing on AI and Big Data and 3 ADB Use Cases (15 mins) **Rod Aragon,** *Senior IT Officer (IT Learning), ITD-FS* - Microsoft Copilot demonstration (15 mins) - Nicolas Miravalls, CEO ORIS – AI in Transportation Sector Demo (15 mins) **Carolyn Dedolph- Cabrera -** Generative AI Courses (5 mins) - Online Staff Poll
10:40–11:00 am	Break
11:00 a.m.–12:00 p.m.	## Cyber Resilience The increasing and worsening cyber threat landscape introduces new risks that require stronger involvement of cyber security to improve the operational resilience of the ADB. Every day there is news about ransomware attacks, attacks against websites and

	communication infrastructures, and the rise of telework has opened new ways for attackers to break into the network of organizations. Given the growing dependency of business processes on a functioning IT environment, ADB has recognized that any major disruption of critical IT systems may have a devastating impact on the Bank. Ransomware attacks against Colonial Pipeline, a U.S. oil pipeline system or the Irish Health Service Executive (HSE) agency are widely published examples for what can happen when an organizations falls victim to these new attacks. Despite all the good work put in place by the ADB cybersecurity teams, there is one lesson taught to us every time we read about successful cyberattacks: Every organization can be hacked; nobody is immune to security breaches. ADB has fully recognized this and, as part of its cyber resiliency preparedness, takes necessary action to prepare for the day this happens to the Bank. It is also clear that this preparedness requires more than just IT involvement. It demands every business unit to rethink their procedures, assess their criticality in the overall ADB clockwork. And what alternative procedures are to be put in place to keep the ADB afloat when a cyber-attack impacts our entire IT system landscape. Discover more about the team and actions that are keeping ADB headquarters and field offices secure around the globe. Steffen Minkmar, *IT Specialist (Information Security)*
12:00–1:30 p.m.	Break
1:30–03:00 p.m.	### Connecting Asia through Digital Payments – Building on India's Experience and Lessons from Asia Globally and in Asia, the expansion of digital payments has become an important driver for financial innovation and inclusion. In India, the rapid expansion of digital payments has been facilitated by a strong digital infrastructure (including Aadhaar and Unified Payments Interface or UPI) and a supportive policy environment for advancing digital financial services. UPI services are an important part of digital public goods that the Government of India has been developing in recent years. At the same time, the authorities are taking advantage of fintech innovations to further improve financial sector infrastructure, digital money cross-border flows, as well as to expand access to mobile financial services. This session, led by South Asia Department's knowledge team, will provide an overview of latest developments in digital payments, with a focus on lessons from India, as well as look to a future of regional cooperation and integration in digital payment systems. This session will bring together international experts, with India's National Payments Corporation of India representative as key presenter. Moderator: **Peter DuPont**, Asia Clean Energy Partners Key Presenter: **Chetan Lotankar**, Senior Associate Business Development, International Business Development, National Payments Corporation of India Panelists: **Kenichi Yokoyama,** Director General, SARD (Opening Remarks) **Chul Park,** Director, Korea Financial Telecommunications & Clearings Institute *(virtual)* **Heba Shams,** VP for Global Public Policy, Mastercard *(virtual)* **Ozzeir Khan**, Director, Digital Innovation and Architecture Division, IT Department, ADB **Jazira Asanova**, Principal Operations Coordination Specialist, South Asia Department (Closing Remarks)

Speaker Profiles

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Day 1 - Tuesday, 19 September | Multifunction Hall 1
Building the Digital Infrastructure of the Future [9:30–11:00 a.m.]

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Michaela Browning
Vice President for Government Affairs and Public Policy for Google, Asia Pacific

Prior to Google, Michaela held a range of senior positions in the Australian government as a career diplomat, with over 27 years of experience focusing on the Asia-Pacific, international trade and investment, innovation, security, and economic development.

She was the inaugural CEO of the National Foundation for Australia China Relations in 2020. She served as Australia's Consul General to Hong Kong and Macau from 2017 to 2020, and on diplomatic missions in Singapore and Thailand. She also served as senior international adviser to Australian foreign and defense ministers.

Michaela has held senior trade and economic roles including leading Australia's global investment promotion activities, and leading trade and investment operations for established markets (Americas, Europe, Japan, Korea, NZ, and the Pacific) at the trade and investment commission (Austrade). She previously led Australia's development assistance program for Afghanistan and Pakistan, was a trade negotiator to the WTO and for Australia's free trade agreements with the US and Singapore.

She is one of Australia's members of the APEC Business Advisory Council, on the Board of the Australia Japan Business Co-operation Committee and of the Asia Society (Australia Chapter). She is an Advisory Board member for the Asian Development Bank. She is an Ambassador for the Australian Indigenous Education Foundation. She has previously served on boards for professional services, education, veterans volunteer and disaster response organizations.

She is a graduate of the Australian Institute of Company Directors and has a Bachelor of Economics and Master's in Foreign Affairs and Trade from Monash University.

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Antonio Puno
Head of Southeast Asia Investment Banking

Antonio is a Managing Director in the Southeast Asia Investment Banking team running Corporate Finance. He is also responsible for Bank of America Securities' Southeast Asia investment banking business.

Antonio joined Merrill Lynch in 2006, previously from ING in Manila and Singapore. Over his 20-year investment banking career, Antonio has completed numerous transactions in mergers and acquisitions, debt and equity capital markets and leverage finance in countries such as Indonesia, the Philippines, Singapore, Thailand, Korea and Australia across various sectors such as financial institutions, resources, power, industrials, infrastructure, consumer goods and telecommunications. He also manages some of the firm's key relationships in Southeast Asia.

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	Antonio graduated with a Bachelor of Science degree, major in Management Engineering from the Ateneo de Manila University.
	Mohit Gidwani *Partner in TMT, Southeast Asia, Roland Berger* Mohit Gidwani is a Partner in Roland Berger's Singapore office. He has worked in countries on the Indian Subcontinent and in Southeast Asia, where he primarily advised the telecom, media and technology industries. At Roland Berger, Mohit works with telecom operators in the region on strategy and long-term transformation. His expertise includes marketing and distribution strategy, branding, e-commerce and mobile payments, organization evolution and due diligence/regulatory support. He has also led various launch programs for new business units. Recently, Mohit led the transformation of the largest telecom operator in Myanmar, advising on commercial and organization evolution. Prior to Roland Berger, he worked at Southeast Asia's largest operator group, working with management on enterprise and IT strategy projects, with a specific focus on India and mergers & acquisitions. Mohit has a Bachelor of Technology from the Indian Institute of Technology, Bombay, and an MBA from the Indian Institute of Management, Ahmedabad.
	John Garrity *Chief of Party, USAID's Better Access and Connectivity (BEACON) Project* John Garrity is Chief of Party for USAID/Philippines' Better Access and Connectivity (BEACON) project, a USD 33m USAID program to improve digital connectivity infrastructure, the ICT enabling environment, and cybersecurity capacity in the Philippines. His background is as an economist, policy advisor and project manager with twenty years of experience working on economic development issues in the public sector at the state, federal and international levels, and in the private sector. His focus is on digital inclusion programs, universal access policy and last-mile connectivity deployments to foster effective universal Internet adoption for inclusive growth and poverty alleviation. Previously, he was an independent consultant to public sector and private sector organizations on digital infrastructure development, including the Asian Development Bank, UNDP Philippines, the UN Broadband Commission, the UN ITU, UNICEF, UNESCAP, among others. He was Senior Connectivity Advisor in the US Global Development Lab at USAID and before that spent ten years at Cisco, in emerging market strategy and global technology policy/government affairs based in Washington, D.C. He began his career at the World Bank and also worked at the US Federal Trade Commission. He serves as a technical advisor to the Network Readiness Index, on the advisory council of the Connect Humanity Fund, has co-authored several reports on technology and development and presented around the world on efforts to close the digital divide.

Christoph Wagner
Head of Cooperation, EU Delegation to the Philippines

Wagner has broad experience in EU external relations. Immediately before coming to the Philippines, Mr. Wagner was Head of Cooperation at the EU Delegation in Fiji covering 17 Pacific countries and territories.

In the European Commission headquarters, he worked in several functions: Deputy Head of Unit, Directorate General (DG) for Humanitarian Aid and Civil Protection; he headed a team providing balance of payments support to the EU neighborhood countries in DG Economic and Finance; and he worked as Ukraine desk officer in DG External Relations. In his EU career Mr. Wagner was posted twice in Africa: he led the economic and social policy section in the EU Delegation Ethiopia and, earlier, in a different role worked in the EU Delegation Mozambique. Before becoming an EU civil servant and joining the European Commission in 2000, Mr. Wagner was an Austrian diplomat focusing on development policy in the Ministry of Foreign Affairs and worked in the private sector on setting up a national package recycling system.

He holds a Masters in Economics, International Trade & Finance (University of Business Administration and Economics, Vienna, Austria) and a Postgraduate in Environment Management (Academy of Krems, Austria).

MODERATOR

Yoonee Jeong
Senior Digital Technology Specialist (Digital Infrastructure and Economy), Digital Technology for Development Division, Climate Change and Sustainable Development Department, ADB

Yoonee Jeong is a Senior Digital Technology Specialist with the Digital Technology for Development Division at ADB. She is a public policy professional with nearly 20 years of international experience in digital technologies in Asia Pacific and Africa. Before joining ADB, Yoonee was the Director of Public and Regulatory Affairs with the Telenor Group, a global mobile operator. Previously, Yoonee served as a senior consultant on digital economy policy and capacity building to the World Bank and UN-ESCAP and lead policy advocacy for tech companies as Director of Research and Consulting with TRPC, an advisory firm. A Korean native, Yoonee obtained her master's degree in international development policy from Duke University as a Foreign Language and Area Studies (FLAS) Scholar and her bachelor's from the Ateneo de Manila University of the Philippines.

ADB's Digital Transformation Action Plan (DTAP) [11:15 a.m.–12:00 p.m.]

David Hardoon
CEO, ADI and Chief Data and AI Officer, UnionBank of the Philippines

David R. Hardoon is the Chief Executive Officer of Aboitiz Data Innovation and the Group Chief Data and AI Officer of the Union Bank of the Philippines.

Prior to his current roles, David was the Monetary Authority of Singapore (MAS)'s first appointed Chief Data Officer and Head of Data Analytics Group reporting to the agency's Deputy Managing Director for Financial Supervision and subsequently Special Advisor for Artificial Intelligence reporting to Deputy Managing Director for Markets and

Development. In these roles, he led the development of the AI strategy both for MAS and Singapore's financial sector as well as driving efforts in promoting open cross-border data flows.

David holds a PhD in Computer Science in the field of Machine Learning from the University of Southampton and graduated from Royal Holloway, University of London with First Class Honors B.Sc. in Computer Science and Artificial Intelligence.

Nicolas Miravalls,
Co-Founder and CEO, ORIS

Nicolas Miravalls is the CEO of ORIS and co-founder of ORIS, the first digital construction materials platform for a smart-use of resources and low-impact infrastructure. Nicolas has extensive international experience in the infrastructure industry, from site engineering to general management, international contracting and business development. He spent 15 years abroad in Africa and Eastern Europe for an international contractor, and several years as an international independent consultant. He co-founded ORIS, an independent and neutral entity, aiming for sustainable infrastructure.

MODERATOR

Stephanie Hung
Director General, Information Technology Department, Asian Development Bank

Stephanie King-Chung Hung is the Chief Information Officer of the Asian Development Bank and Director General of the bank's Information Technology Department (ITD). Stephanie is responsible for ADB's digital strategies and transformation, and its IT infrastructure, operations and talent spanning across more than 30 countries.

She has 25 years of leading and delivering technology solutions and innovation to improve the productivity and collaboration across many organizations, enable situational insights and better decision-making, and achieve optimization and process improvements. Her technology leadership at IBM, Hewlett-Packard, Microsoft, and ST Engineering involved servicing clients from a wide variety of industries which include, but not limited to, banking, financial services, and the public sector. She also founded Alitheia Partners, a private limited company providing business advisory to start ups and consultancy to enterprises and academia on business ventures, new digital business, business transformation and innovation.

As a strong advocate of mentoring and diversity inclusion, Stephanie was the Chairperson of Women@ST Engineering, responsible for improving women representation and developing talents and women leadership across the ST Engineering group. She actively participates in various organizations such as the Cloud Security Alliance APAC Research Advisory Council (APRAC), Industry Advisory Panel (IAP) for Career Attachment Office (CAO) at the Nanyang Technological University of Singapore, and Women in Tech Chapter of Singapore Computer Society. She was the 2020 recipient of the Singapore 100 Women in Tech (SG100WIT), besting over 1,000 nominations. She served as a member (2016-2018) of the Media Literacy Council under the Ministry of Communications and Information in Singapore where she worked on developing public awareness and education on cyber wellness and Internet and media trends and development.

She holds a Master's degree in Business Administration with High Honors from the

University of Chicago Booth School of Business in the United States where she was recognized as an Amy and Richard Wallman Scholar. She holds a Bachelor's degree in Business Administration with concentration in Finance from the Chinese University of Hong Kong. She is a national of Singapore and fluent in both English and Chinese (Mandarin and Cantonese).

The Promise of Digital Public Infrastructure (DPI) [1:05 – 2:20 p.m.]

Emma Veve
Deputy Director General, Southeast Asia Department, ADB

Emma Veve is Deputy Director General with the Southeast Asia Department of ADB, in Manila, Philippines. Here she supports the Director General, with special areas of focus being the strategic planning of country operations, policy-based lending, and quality oversight of operations.

Prior to her joining the Southeast Asia Department in April 2023, she served as the Deputy Director General of the Pacific Department. She was responsible for supporting the Director General in the delivery of ADB operations across the 14 Pacific developing member countries, as well as filling the role of regional director for the north Pacific.

Previously in the Pacific Department, she also held positions of Director, Social Sectors and Public Sector Management; as well as Director Urban, Social Development and Public Sector Management; Principal Economist responsible for macroeconomic monitoring; Senior Country Specialist with ADB's Pacific Subregional Office in Suva, Fiji; and Regional Economist. Emma joined ADB in 2005 following a period as Economic Advisor with the Pacific Islands Forum Secretariat in Suva, Fiji. Prior to this she held various positions in the Australian commonwealth public service, predominantly in economic research.

She completed a double degree in agricultural science and economics from the University of Queensland, Brisbane, Australia and holds a master's degree in economics from the University of New England, Armidale, Australia.

M. Jae Moon
Dean, College of Social Sciences, Distinguished Professor, Department of Public Administration, Yonsei University and Director, Institute of Future Government, Republic of Korea

M. Jae Moon is currently Underwood Distinguished Professor of Public Policy and Management and Director of the Institute for Future Government at Yonsei University. He is currently a member of the Presidential Committee on Digital Platform Government and also chairs the Digital Government Document Innovation Forum as well as the National Strategies Research Committee of the National Research Council for Economics, Humanities, Social Sciences. He is also currently co-chairing the Organizing Committee for the Seoul Smart City Prize of the World Smart Sustainable Cities Organization (WEGO). He was a former Dean of College of Social Sciences at Yonsei University and served as International Director of American Society for Public Administration and Vice President of the Korean Association of Public Administration as well as the Korean Policy Studies Association.

He is an elected Fellow of National Academy of Public Administration (NAPA). He was selected as one of world's 100 most influential people in Digital Government 2018 and

2019 consecutively by Apolitical which is a London-based leading nonprofit organization. His work on digital government and e-government was also selected as one of the most influential 75 pieces published in Public Administration Review which celebrates the 75th anniversary. He received Order of Service Merit-Red Stripe from the Government of the Republic of Korea for his contribution to the public sector innovations. He also received the Donald C. Stone Award (2020) and the Peter Boorsma Award for his professional and international services from the American Society for Public Administration and Southeastern Conference on Public Administration, respectively. He was a recipient of Mosher Award and Best Article Award for his works published in Public Administration Review and Review of Public Personnel Administration, respectively.

He has been participating in consultation and training programs in areas of public management and digital government for various official development assistance (ODA) projects of the Republic of Korea as well as various international organizations Prior to joining in Yonsei University, he was a full-time faculty at the Graduate School of Public Affairs of the University of Colorado (1998-2002), the Bush School of Public Services at Texas A&M University (2002-2004), and the Department of Public Administration of Korea University (2004-2006).

Sanjay Anandaram
Executive Board Member, Modular Open Source Identity Platform (MOSIP), India

Sanjay Anandaram has over 30 years of experience as an entrepreneur, investor, corporate executive, teacher, board member, columnist and mentor. He has been and continues to be part of several startups and technology investment funds, both private and government.

He is the global ambassador for iSpirt (ispirt.in), a not-for-profit technology focused think-do tank that works to create digital platforms for societal Transformation; Executive Committee member of IIIT Bangalore housed Mosip.io, an open-source national ID platform for countries that is the world's largest Digital Public Goods deployed initiative; and advisor with the Data Governance Network. He has been part of the THINK20 initiative where he contributed to the policy brief on Digital Inclusion strategies for the G20 Italy 2021. He enabled the iSpirt and Japan's IPA and JETRO announcement on digital public platforms in 2019.

Apart from this, he is the co-founder of not-for-profit company Network of Indian Cultural Enterprises (NICEorg.in) that aims to create cultural entrepreneurs building businesses based on India's cultural assets and ultimately enhance Brand India. His book Startup Mantras was recognized as one of the top business books of 2016.

Mohamed Shareef
Minister of State for Environment, Climate Change and Technology, Maldives

Mohamed Shareef is a distinguished public servant with a strong background in government, academia, and international organizations. Currently serving as the Minister of State for Environment, Climate Change, and Technology, he leads the government's Digital Development Plan 2021 – 2023. This initiative focuses on laying the groundwork for digital transformation in the island nation, including the establishment of a digital identity platform for verification and data sharing. Shareef is also driving the creation of regulatory frameworks for data protection, cybersecurity, and national digital transformation. He heads the National Center for Information Technology (NCIT).

Prior to this appointment, Shareef was the Permanent Secretary at the Ministry of Communication, Science, and Technology. He served as the CIO and deputy to the CEO of NCIT for nearly a decade. Shareef also contributed to the Maldives Qualification Authority and was an academic leader at Cyryx College. He gained international experience at the Center for Electronic Governance, UNU-IIST, China, working on global projects and publishing research in electronic government. Elected Chair of the Asia-Pacific Information Superhighway initiative's Steering Committee, he strives to bridge digital divides in the region.

MODERATOR

Thomas Abell
Director, Digital Technology for Development, Climate Change and Sustainable Development Department, ADB

Thomas Abell is the Director of ADB's Digital Technology for Development Division, which promotes the effective use of digital technology across ADB programs to improve development impact. His team works with ADB member countries in supporting the transition to the digital economy and provides assistance across many areas, including eGovernment, connectivity, tech startup ecosystems, earth observation, technology policy, and industry partnerships.

Thomas has over 30 years of professional experience in digital technology, including technology policy and strategy, software development, and systems architecture. During his 10+ years of experience in international development, he has worked extensively across Asia, Africa and Latin America, working with governments, development organizations, NGOs and corporations. He has authored many publications on technology innovation in development, focused mainly on education, financial inclusion and agriculture. Thomas has master's degrees in engineering and management and a bachelors in engineering from MIT.

Earth Observation, National Spatial Data Infrastructure [2:40–3:55 p.m.]

Benjamin Koetz
Head of Sustainable Initiatives Office, Science, Applications and Climate Department
Directorate of Earth Observation Programme
European Space Agency

Benjamin Koetz is the head of the Sustainable Initiatives Office in the Earth Observation Directorate of the European Space Agency. The tasks of the Sustainable Initiatives Office focus on partnerships co-designed together with international user communities and stakeholders with the goal of long-term and sustainable adoption of Earth Observation (EO) information in operations. As part of the Global Development Assistance ESA has a very active partnership with the ADB for mainstreaming EO into the development assistance operations.

As Mission Scientist of the Land Surface Temperature Monitoring (LSTM) mission he also prepares one of the proposed Copernicus Expansion missions aiming at improved agricultural management.

M. Rokhis Khomarudin
Senior Researcher, ORPA-BRIN Indonesia

Muhammad Rokhis Khomarudin is a researcher in the field of remote sensing technology and geomatics who have long been involved in the research of remote sensing applications, especially in the fields of environment and disaster management. He graduated and received his PhD in Geography of Remote Sensing from Ludwig-Maximilians-University of Munich in 2010. In his professional career, he was the head of the Department of Environment and Disaster Management from 2011 to 2014 and the Director of Remote Sensing Applications Center at the National Institute of Aeronautics and Astronautics (LAPAN) from 2014 to 2021.

In his career as a researcher, he has authored more than 100 articles in the form of papers, book sections, and scientific proceedings in Indonesian and English. He is currently the Editor-in-Chief of the International Journal on Remote Sensing and Earth Sciences (IJRESES). Teaching and public lectures in various universities such as Bogor Agricultural Institute, Gadjah Mada University, State University of Malang, Jakarta State University, Sumatran Institute of Technology, and Yogyakarta National University of Technology. Student advisor and thesis examiner at Bogor Agricultural Institute, Gadjah Mada University and University of Indonesia. He serves as a consultant in various ministries and institutions on the use of remote sensing in various fields such as agriculture, forestry, plantations, water resources, and other strategic areas.

Currently, he is a member of Indonesian Agricultural Meteorological Association (PERHIMPI), member of Indonesian Society of Remote Sensing Experts (MAPIN) and Head of Indonesian Research Association for Jakarta regions. In the international world, he also serves as the coordinator of RSO UNSPIDER (Regional Supporting Office United Nations on Space Information for Disaster Emergency Response) 2016-2021, Sentinel Asia, and has participated several times as a delegation of the Republic of Indonesia in the UN COPUOS Session and the Technical Working Group (TWG) on Transboundary Haze Pollutions in ASEAN. Become a project manager at the International Disaster Charter.

Joel Joseph S. Marciano, Jr.
Director General, Philippine Space Agency

Dr. Joel Joseph S. Marciano Jr. is the first and current Director General (DG) of the Philippine Space Agency (PhilSA). He is also a Full Professor of Electrical and Electronics Engineering at the University of the Philippines Diliman (UPD) where he held the Dado and Maria Banatao Professorial Chair. As PhilSA DG, Dr. Marciano holds the rank of a Cabinet Secretary and serves as Presidential Adviser on Space Matters.

He obtained his BS Electrical Engineering from UPD and his PhD in Electrical Engineering and Telecommunications from the University of New South Wales in Sydney, Australia. He was the UP-Dado Banatao Postdoctoral Fellow at the Berkeley Wireless Research Center (BWRC) in the University of California Berkeley in 2004 and at the University of California San Diego (UCSD) in 2005. In 2007 and 2009, he was a Visiting Associate Research Scientist in UCSD. From 2013 to 2016, he served as Director of the Institute for Information Infrastructure Development of the Philippines-California Advanced Research Institutes (PCARI) of the Commission on Higher Education.

Dr. Marciano led the development and utilization of the Philippines' first scientific earth observation microsatellites, Diwata-1 and Diwata-2, and the Maya nanosatellites,

	including ground station and mission control operations, computational methods and analyses, calibration, and ground truthing, data archiving and distribution, and academic program and industry linkage development. He is a recipient of the Gawad Tsanselor Para Sa Natatanging Guro in UP Diliman, the Most Outstanding Electronics Engineer in the field of Education from the Institute of Electronics Engineers of the Philippines, the 50 Men and Women of Science from the Department of Science and Technology, the 100 Outstanding Alumni Engineers from the UP Alumni Engineers, the 2015 Manila Water Foundation Prize for Engineering Excellence, the 2017 Distinguished Alumni Award in Science and Technology from the University of the Philippines Alumni Association and 2019 Regional Winner of the Dangal ng Bayan Awards of the Civil Service Commission. For his distinguished contributions to advancing education and research via international exchanges, Dr. Marciano was conferred an Honorary Doctorate (Honoris Causa) by Hokkaido University in January 2023.
	Maria Pia Ancora *Senior Urban Development Specialist, ADB* With over two decades of experience, Maria Pia has designed and implemented sustainable urban infrastructure investments and offered environmental policy advisory across Asia. Her expertise has impacted nations like China, India, Mongolia, Pakistan, and others. Currently based in Tbilisi, she oversees ADB's urban and climate programs in the dynamic South Caucasus region. Hailing from Italy, she holds a master's degree in environmental and Land Use Planning from the University of Trento and a Ph.D. in Environmental Science and Engineering from Tsinghua University in Beijing, PRC.
	Suren Tovmasyan *Chairman of the Cadastre Committee, Government of Armenia* Studied at the National University of Architecture and Construction of Armenia (NUACA), Candidate of Technical Sciences. Participated in a number of courses and trainings such as "Current Issues in Geodesy and Seismology" England, "Current Trends in Geodesy, Cartography and Geographic Information Systems" Canada, "Satellite Technologies, Modern Geodetic Equipment" Germany, "3D Scanning and Data Processing" Spain, Sweden, USA and a number of other trainings, in many of which he made reports. Suren Tovmasyan has more than 15 years of work and professional experience in the field of Applied Geodesy, Cadastre and Cartography. Worked in both private and public sectors. He started his career in 2008 as a Land Surveyor's assistant. Continuing to self-develop and improve his knowledge, he gained professional success. During these years, he worked as a Chief Surveyor, Construction Quality Control Manager, Project Manager, Lecturer, Chairman of Engineering Geodesy (NUACA). Suren Tovmasyan emphasizes the need to have an educated society, and share the professional skills to students is very important for him, since 2013, he has been lecturing at the NUACA. He is the author of 25 Scientific Articles and 5 Educational Manuals.

Yoonee Jeong
Senior Digital Technology Specialist (Digital Infrastructure and Economy), Digital Technology for Development Division, Climate Change and Sustainable Development Department

Yoonee Jeong is a Senior Digital Technology Specialist with the Digital Technology for Development Division at ADB. She is a public policy professional with nearly 20 years of international experience in digital technologies in Asia Pacific and Africa. Before joining ADB, Yoonee was the Director of Public and Regulatory Affairs with the Telenor Group, a global mobile operator. Previously, Yoonee served as a senior consultant on digital economy policy and capacity building to the World Bank and UN-ESCAP and lead policy advocacy for tech companies as Director of Research and Consulting with TRPC, an advisory firm. A Korean native, Yoonee obtained her master's degree in international development policy from Duke University as a Foreign Language and Area Studies (FLAS) Scholar and her bachelor's from the Ateneo de Manila University of the Philippines.

MODERATOR

Paolo Manunta
Senior Digital Technology Specialist (Earth Observation), Asian Development Bank

Paolo Manunta is Senior Digital Technology Specialist in ADB's Sustainable Development and Climate Change Department (SDCC). He specializes in Earth Observation (EO), online Geographic Information Systems (GIS), and Spatial Data Infrastructure (SDI). Paolo helps set up geospatial initiatives and has worked on cloud-based integration of EO, GIS, and Artificial Intelligence (AI) in Timor-Leste, Cambodia, Kazakhstan, Indonesia, Georgia, Armenia, Mongolia and other ADB Developing Member Countries.

Paolo has co-authored several knowledge products and is currently working on a project deploying satellite imagery and AI for land use and coastal planning. To ensure financial sustainability in ADB Developing Member Countries, Dr. Manunta promotes ADB digital solutions in collaboration with several potential European donors as part of a joint initiative with the World Bank and the European Space Agency (ESA).

Paolo joined ADB as a secondee from the European Space Agency (ESA). His Asia experience started in 2014 with a transport project in Papua New Guinea that led to a full-time secondment to ADB in 2017 and eventually became a staff in 2022. After completing his PhD, Paolo Manunta worked in Canada for the Provincial Government of Alberta on climate change modelling. He has also worked extensively in the private sector in Italy.
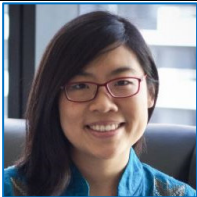
Cybersecurity [04:15 – 05:30 p.m.]

Keith Detros
Programme Manager, Tech for Good Institute

Keith Detros is a Programme Manager at the Tech for Good Institute handing policy studies on cyber resilience and the digital economy.   Keith leverages almost a decade of experience in government affairs, evidence-based policy research, and stakeholder

engagement. He is also involved in thought-leadership activities including participating and moderating panels in both regional and international discussions.

He previously served as digital economy specialist at the U.S. Embassy in Manila, Philippines. Notably, he was the coordinator for the U.S.-Philippines Joint Cybersecurity Working Group from 2016-2020. Earlier in his career, he was a Research Specialist at the Philippine Institute for Development Studies.

He holds a master's degree in international Affairs from the National University of Singapore's Lee Kuan Yew School of Public Policy and a BA in Political Science from University of the Philippines Manila.

Frits Gerald Enriquez
Principal, KPMG

Frits is an incoming Principal of KPMG in the Philippines who's leading Cybersecurity and Data Privacy Advisory for various industries both in public and private sectors in the country. A Security Leader with over thirteen (13) years of experience in Security Risk Management and Enterprise Security Architecture.

Enriquez graduated Bachelor of Science in Electronics and Communications Engineering as Magna Cum Laude at Bulacan State University and has his Master of Engineering in Electrical Engineering in the University of the Philippines.

He is a Certified Information Systems Security Professional who has been helping organizations across APAC and US regions. He is experienced in engaging stakeholders to align security strategy with business objectives, risk, and the technology landscape. He is also a Certified in Risk and Information System Control (CRISC), a Certified Lead Privacy Implementer, Certified ISO 27001 Senior Lead Auditor, and a Certified Zero Trust Strategist.

He has led three (3) major security consulting engagements for the largest utility companies in the Philippines. He was a Security Advisor for one government agency in Malaysia, a commercial bank and insurance company in Vietnam and one global port management company. He was also a Lead Consultant for Technology Risk Office of one international insurance company and Security Solution Advisor of a global technology and consulting provider. He's been leading advisory engagements in Cybersecurity, Data Privacy and Business Continuity for KPMG in the Philippines.

Aalok Kumar
Corporate Officer and Sr. VP-Head of Global Smart City Business and President and CEO, NEC Corporation India

Aalok Kumar, Corporate Officer and Sr VP-Head of Global Smart City Business, NEC Corporation, and President and CEO, NEC Corporation India Pvt. Ltd, is responsible for spearheading the Global Smart Cities Business, building a global business and expanding NEC India's business offerings across the country. With over 26 years of experience in providing strategic direction to leading global brands in Indian and international markets including Japan, APAC and EMEA, Aalok holds a strong track record of driving market share growth by creating new market opportunities.

Aalok's journey with NEC began in March 2020 as he took up the mantle as the President and CEO at NEC Corporation India, a wholly owned subsidiary of NEC Corporation, Japan. His expertise in sales & marketing, product management, channel management, strategy, P & L management, and healthcare & financial services industry uniquely qualifies him to help propel the organization towards greater heights in India.

His diverse experience and continuous learning agility have prepared him to be open to and navigating new challenges. Prior to joining NEC, Aalok has been the Senior Vice President at McKinsey & Co, where he adorned the role of transformation, strategy and growth specialist. He was also associated with GE Healthcare as their Chief Growth Officer and Strategic Initiatives Leader - APAC.

An alumnus of St'. Stephens College, Delhi and Indian Institute of Management, Ahmedabad, Aalok's primary objective has always been to maintain high-quality performance standards to meet the challenges to stay ahead in a fast-paced and competitive business environment. He is a proven leader in business transformation, performance improvement and margin expansion. A truly prudent and decisive leader, Aalok's journey has been inspiring and noteworthy.

Kim Kuok Chiang
Senior Security Advisor, Amazon Web Service (AWS)

Kim Kuok Chiang is a Senior Security Advisor to public sector organizations across Asia Pacific Japan (APJ) region to deliver secure and resilient public services that serve millions of citizens. Aside from diving deep into cyber security topics, he is also an AWS Customer Incident Responder who helps customers overcome difficult active security situations.

MODERATOR

Mary Grace Mirandilla-Santos
ICT Policy Analyst, Secure Connections

Mary Grace Mirandilla-Santos is an independent ICT policy researcher with a special focus on Internet connectivity, telecoms, and recently, the information security of critical infrastructure. She has worked as a consultant for various government institutions and development organizations, including The Asia Foundation, Asian Development Bank, World Bank, Department of Justice, Department of Information and Communications Technology, Department of Science and Technology, and the Philippine Institute for Development Studies. Grace is lead advocate of Better Internet PH, an advocacy group pushing for an accessible, reliable, affordable, and secure Internet. In 2020, she ventured into cybersecurity policy and started Secure Connections, a group of experts and stakeholders advocating for policy to improve cybersecurity in the Philippines.

Grace's research work on Internet connectivity and cybersecurity have appeared in multiple publications. In 2021, she worked with the Philippine Institute for Development Studies (PIDS) and co-authored the analysis of the country's first National ICT Household Survey by the Department of Information and Communications Technology (DICT). In 2022, Grace co-authored "Cybersecurity in the Philippines: Global Context and Local Challenges," the first comprehensive review of the country's cybersecurity landscape, published by The Asia Foundation. She was also involved in the first-ever assessment of

	the Philippine Government's Information Security posture, soon to be published by the DICT.
Day 2 - Wednesday, 20 September | Multifunction Hall 1 **Artificial Intelligence and Data Analytics** [09:00–10:30 a.m.]	
	Erika Fille Legara *Aboitiz Chair in Data Science, Asian Institute of Management and Independent Director, Rizal Commercial Banking Corporation* Erika is a scientist, educator, board director, and policy and strategy advisor. She is the founding Academic Program Director of the Asian Institute of Management's Master of Science in Data Science program (MSDS), whose curriculum design she led. Dr. Legara also played a key role in crafting the Philippine National AI Roadmap. Erika is also a partner to firms collectively valued at over 4.5M USD, focusing on DSAI R&D, Strategy, and Governance. Dr. Legara holds a Ph.D. in Physics. A distinguished scientist, she's recognized as one of Asia's Rising Scientists.
	Jasmine Begum *Regional Director, Legal and Government Affairs, Microsoft* Jasmine, based in Kuala Lumpur, leads Microsoft's Corporate External and Legal Affairs for the ASEAN region. With over 30 years of award-winning experience, she brings extensive expertise in legal, policy, regulatory engagement, and communications. Prior to Microsoft, Jasmine held leadership positions at Dell, the UNDP, and the United Nations Executive Office of the Secretary-General in New York. She has made significant milestones in her career, including being appointed to the Internet Governance Forum (IGF) Multistakeholder Advisory Group (MAG) by UN Secretary General in December 2021. Her remarkable achievements have also earned her prestigious accolades such as the inaugural WIM's Tan Sri Napsiyah Omar Women Leaders Award and the Global Leadership Award for ICT Excellence. These honors recognize her exceptional contributions to advancing policies on accessibility and promoting women in the field of technology. Jasmine holds a double degree in Law from the International Islamic University in Kuala Lumpur, pursued post-graduate studies in the UK, and earned a Ph.D. in business and human rights. With admission to practice law in Malaysia, UK, and State of Washington, she is currently an Adjunct Professor in several Universities across the region and has received an Honorary Doctorate for her outstanding leadership and contributions in Public Policy and Governance from UNITAR International University.
	Stephanie Sy *CEO and Lead Data Scientist, Thinking Machines* Stephanie Sy is the founder of Thinking Machines. Thinking Machines is an international data science consultancy trusted by some of the largest organizations in the region. She is an awardee of Forbes Asia 30 Under 30, Asia Society Asia 21 Young Leaders, and TOWNS Philippines for her work making AI real for people.

Eunice Huang
Head of AI and Emerging Tech Policy, APAC, Google

Eunice Huang leads Google's AI and emerging tech policy work in the Asia-Pacific (APAC) region, where she engages governments and other stakeholders on the responsible development and deployment of AI. Prior to her current role, she led Google's digital trade and competitiveness policy work in APAC, as well as Google's engagement with the World Trade Organization (WTO).

MODERATOR

Ramayya Krishnan
Professor and Dean, Heinz College of Information Systems and Public Policy, Carnegie Mellon University

Ramayya Krishnan is the W. W. Cooper and Ruth F. Cooper Professor of Management Science and Information Systems at the H. John Heinz III College and the Department of Engineering and Public Policy at Carnegie Mellon University. A faculty member at CMU since 1988, Krishnan was appointed as the Dean in 2009 of the Heinz College.

Krishnan was educated at the Indian Institute of Technology and the University of Texas at Austin. He has a Bachelor's degree in mechanical engineering, a Master's degree in industrial engineering and operations research, and a PhD in Management Science and Information Systems. Krishnan's research interests focus on consumer and social behavior in digitally instrumented environments. His work has addressed technical, policy and business problems that arise in these contexts and he has published extensively on these topics.

He has founded multiple research centers at CMU and is the faculty director of the Block Center for Technology and Society. He advises governments and policy making organizations on technology policy and the deployment of data driven policy making. He is an advisor to the President of the Asian Development Bank and is a member of the Geotech Commission of the Atlantic Council. He is an American Association for the Advancement of Science - AAAS Fellow (section T), an INFORMS Fellow, an elected member of the National Academy of Public Administration and a distinguished alumnus of both the Indian institute of Technology and the University of Texas at Austin. He served in 2019 as the 25th President of INFORMS, the Global Operations Research and Analytics Society. He was appointed to the National AI Advisory Committee to the President and the AI Initiatives office in 2022.

Digital Economy and Entrepreneurship [10:50 a.m.–12:05 p.m.]

Anthony Anish
Chief Operations Officer, T-Hub

Wing Commander Anthony Anish (Retd) is currently the COO (Chief operations officer) of T-Hub. T-Hub is the largest innovation campus in the work with 2.3 million Sq Ft of innovation space and India's most advanced rapid prototyping facility. At T-Hub he drives all the programs, projects, initiatives, and various departments for more than 2500 startups across 25+ sectors and 19 technologies.

Prior to T Hub he was the founding team member of "MyGate", which is India's largest Gated community management solution spread across 21 cities, 1000 employees and 4 million Homes and about 82% market share. He was also the co-founder of Apposite learning Solutions Pvt Ltd which is a 2-time Brandon Hall award winning company in the domain of Content and Instructional designing with offices in India and the US.

Prior to that he was a helicopter pilot in the Indian Air Force. He is a 2-time war veteran, a flying instructor, a test pilot and the project manager for India's first government sponsored indigenous drone program at DRDO. He is also a member of the Startup Board of directors of the Institute of company secretaries of India.

He comes with a vast experience of Innovation, execution at scale, raising funds, strategizing and an on-ground experience of building 2-multimillion-dollar companies from scratch. This gives him the unique ability to blend the exploratory nature of an entrepreneur with the focus, grit and perseverance of a veteran.

Shinta Dhanuwardoyo
Founder, Bubu.com and Board Chairwoman, StartupIndonesia.co

Shinta is a tech industry veteran and trailblazer. Since the inception of her first company Bubu.com in 1996, the award-winning entrepreneur has impacted Indonesia's digital landscape in countless ways. She has been recognized by Globe Asia as one of the "99 Most Powerful Women," Tatler's Asia most influential and was named as the "Inspiring Women Honor Roll" by Forbes Indonesia Magazine. Shinta has worked tirelessly to advance technology in the region since founding Bubu.com and serving as the company's CEO, a position she still holds.

Her first company, Bubu.com started as a web development company that later evolved into a full-service data-driven digital agency. In 2019, Bubu turned into a venture builder, growing a number of new ventures under the holding. One of the ventures include Bubu Gaming, a full-service gaming and esports agency, backed by 25+ years of experience in digital and by individuals who have more than 10 years in Esport industry. Helping brands to perform with better ROI, possessing unrivalled experience and understanding of the eSports industry.

At the end of December 2019, she launched another new venture called Startupindonesia.co, which is an online platform to help connect all the startup ecosystems in Indonesia, which include the connection to Venture Capitals, Angel investors and mentors. The online platform is looking to democratize network and knowledge for Indonesia's tech startup ecosystem, especially those with a strong socio-economic impact. It is developed as Indonesia's online startup directory and online education center for tech-entrepreneurship.

Her long history in the tech industry also includes being the CEO of Plasa.com (then called Blanja.com), a Telkom Indonesia owned e-commerce marketplace. Plasa.com attracted investments from eBay in 2012.

After her role in Plasa.com, Shinta went on to become one of the Managing Partner at Nusantara Ventures, a pioneering technology venture capital fund in Indonesia aimed at helping entrepreneurs create and grow market-leading digital media companies throughout the region from 2011 until 2013.

As one of Indonesia's leading authorities on ICT, Shinta has also been instrumental in fostering valuable ties with Silicon Valley. She co-founded Silicon Valley Asia Technology Alliance, a non-profit organization (incorporated in 2014) whose mission is to bridge the flow of ideas and collaboration between the tech industry in Indonesia and Silicon Valley.

She also initiated Angel EQ Network, a premier angel investor network that was established in October 2015–2017 and founded by thirteen founding members with the goal to boost the Indonesian entrepreneurial ecosystem through education, active engagement, and funding. This initiative is now thru the initiative startup Indonesia.

Shinta has also recently been appointed as one of the founding members Asia Gender Network under Asia Venture Philanthropy Network and supported by Bill Gates and Melinda Gates Foundation. AVPN is the first pan-Asia Network that moves capital to causes that empower women and girls in Asia to drive gender equality across the region. The network is continuously working on gender-related causes all year round.

Jose Avelino "JOJO" Flores
Co-Founder of Plug and Play Tech Center, Co-Founder of Launchgarage

Jojo is Co-Founder at Plug and Play Tech Center, a Silicon Valley based early stage investor and technology startup accelerator, which he started in January 2006. Plug and Play accelerates over 2,000 tech startups yearly from all around the world in over 20 countries in over 50 global offices, which access a network of angel investors, venture capital firms, and over 550 large corporations. Since inception, Plug and Play startups have been able to raise in excess of $12 billion in funding. Plug and Play Ventures have over 2,500 companies in its portfolio, with over 30 unicorns including PayPal, Dropbox, Lending Club, N26, Soundhound, Honey, Flutterwave, among others.

In the Philippines, Jojo is Co-Founder of Launchgarage, which started operations in March 2016. Patterned after Plug and Play, Launchgarage is an accelerator and investor in tech startups in the Philippines and the ASEAN region. In addition, Launchgarage also works with the Departments of Science and Technology, ICT, and Trade and Industry, on various training and commercialization programs for local startups.

Jojo serves as a Board Member and Vice-President in the Science and Technology Advisory Council to the Philippine government and leading universities, helping them bridge technology entrepreneurs to Silicon Valley. He is also a Board of Trustee at De La Salle Lipa. As well, a board member at Animo Labs-ICAST of De La Salle University.

Jojo completed his BS Business Administration studies in 1989 at the University of the Philippines, Diliman.

Makara Khov
Chairman, Cambodia Academy of Digital Technology and Secretary of State, Ministry of Posts and Telecom, Government of Cambodia

Makara Khov graduated Engineer Degree in Electrical Engineering from the Institute of Technology of Cambodia (ITC), Master and Ph.D Degree in Automation and Decisional Computing from the Institut National Polytechnique de Toulouse (INPT). He has held various positions such as lecturer/researcher/invited professor, national expert, under-secretary of state, and chairman of Telecom Cambodia. Currently, he serves as Secretary of State at the Ministry of Post and Telecommunications of Cambodia (MPTC), Chairman

of Cambodia Academy of Digital Technology (CADT), Board Member of Commercial Gambling Management Commission of Cambodia (CGMC), and Board Member of Techo Startup Center (TSC).

Ming Tan
Founding Executive Director, Tech for Good Institute

Ming Tan is the founding Executive Director for the Tech for Good Institute, a non-profit founded by Grab to catalyze research and collaboration on social, economic, and policy trends accelerated by the digital economy. She is concurrently a Senior Fellow at the Centre for Governance and Sustainability at the National University of Singapore. Her interests lie at the intersection of technology, business and society, including sustainability and innovation.

MODERATOR

Arndt Husar
Senior Public Management Specialist (Digital Transformation), Digital Technology for Development Division, ADB

As a senior public management specialist in ADB's Digital Technology for Development Division, Arndt facilitates the effective use of digital technology, advising ADB clients, regional departments, as well as sector and thematic groups on digital transformation.

Arndt provides technical assistance, knowledge and capacity development support on data management, technology risks, tech start-up ecosystems, and digital transformation strategies. He has authored working papers and reports on cloud computing, digital connectivity solutions, startup ecosystem development and the future of transport. Contributing to the future-readiness of ADB, he has been promoting futures thinking and foresight activities, co-leading foresight projects of the transport sector group as well as country-level activities.

Prior to ADB, Arndt worked with the UN Development Programme at national, regional, and global levels. He holds a master's degree in spatial planning from TU Dortmund University, Germany.

DATA X ADB

Marketplace of Ideas [2:00–3:10 p.m. | Venue: Innovation Hub]

MODERATOR

Arndt Husar
Senior Public Management Specialist (Digital Transformation), Digital Technology for Development Division, ADB

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DATA X ADB

Summit [3:30–5:00 p.m.| Venue: Multifunction Hall 1]

OPENING

Thomas Abell,
Director, Digital Technology for Development Division, CCSD, ADB

Thomas Abell is the Director of ADB's Digital Technology for Development Division, which promotes the effective use of digital technology across ADB programs to improve development impact. His team works with ADB member countries in supporting the transition to the digital economy and provides assistance across many areas, including eGovernment, connectivity, tech startup ecosystems, earth observation, technology policy, and industry partnerships.

Thomas has over 30 years of professional experience in digital technology, including technology policy and strategy, software development, and systems architecture. During his 10+ years of experience in international development, he has worked extensively across Asia, Africa and Latin America, working with governments, development organizations, NGOs and corporations. He has authored many publications on technology innovation in development, focused mainly on education, financial inclusion and agriculture. Thomas has master's degrees in engineering and management and a bachelors in engineering from MIT.

Brief Feature of Action Ideas: Sharing of action ideas by Data x ADB Alumni
Client, Expert and Staff Perspectives and Call to Action

Sanjay Anandaram
Executive Board Member, Modular Open-Source Identity Platform (MOSIP) and Ambassador, iSpirt, India

Sanjay Anandaram has over 30 years of experience as an entrepreneur, investor, corporate executive, teacher, board member, columnist and mentor. He has been and continues to be part of several startups and technology investment funds, both private and govt.

He is the global ambassador for iSpirt (ispirt.in), a not-for-profit technology focused think-do tank that works to create digital platforms for societal Transformation; Executive Committee member of IIIT Bangalore housed Mosip.io, an open-source national ID platform for countries that is the world's largest Digital Public Goods deployed initiative; and advisor with the Data Governance Network. He has been part of the THINK20 initiative where he contributed to the policy brief on Digital Inclusion strategies for the G20 Italy 2021. He enabled the iSpirt and Japan's IPA and JETRO announcement on digital public platforms in 2019.

Apart from this, he is the co-founder of not-for-profit company Network of Indian Cultural Enterprises (NICEorg.in) that aims to create cultural entrepreneurs building businesses based on India's cultural assets and ultimately enhance Brand India. His book Startup Mantras was recognized as one of the top business books of 2016.

	Neeta Pokhrel *Director, Water and Urban Development, Sectors Group, ADB* Neeta Pokhrel has more than 25 years of experience working with ADB, the private sector, international consulting firms, nongovernment organizations, and water utilities. She leads strategic development of ADB's water sector and provides knowledge management and implementation support to the operational departments to meet ADB's goal of a resilient and water-secure Asia and the Pacific.
	Jyotsana Varma *Country Director, Cambodia Resident Mission, ADB* Jyotsana Varma has been working in the development arena for over 30 years—14 years with the Asian Development Bank and 17 with government—spanning the spectrum of development policy, project development and implementation, and regional cooperation. She joined ADB in 2009 in the corporate secretariat, moving on to the Southeast Asia department to serve in the Greater Mekong Subregion secretariat. In 2017, she moved to a field assignment in Bangladesh in the South Asia department where she worked closely with the government and other stakeholders for five years to develop a strong and diverse pipeline and ensure smooth operations. Before joining as country director in Cambodia in July 2022, she briefly led the Maldives country coordination office. Before joining ADB, in the Indian civil service since 1992, she led large district and state teams to implement social sector projects, and served in the policy advisory team of the Indian Finance Minister.
	Winfried F. Wicklein *Director General, Southeast Asia Department, ADB* As Director General of ADB's Southeast Asia Department, Wicklein leads the planning and delivery of ADB's goals, strategies and work plan in Southeast Asia. This involves ADB's relationships and public sector work in ASEAN countries, as well as support for sub-regional cooperation initiatives in the region. The Southeast Asia Department has over 400 staff, a total portfolio of $25 billion and annual commitments of $7 billion. With ADB for over 23 years, Wicklein has wide-ranging experience in the areas of infrastructure finance, private sector development, and country strategy and program coordination across Asia and the Pacific. Prior ADB assignments included country director

to Indonesia and Myanmar, as well as country postings in Australia, the Philippines and Thailand.

Prior to joining ADB, Wicklein worked in corporate finance advisory (PricewaterhouseCoopers) and prior to that, for the United Nations Industrial Development Organization (UNIDO). A national of Austria, Wicklein holds a master's degree in business administration from the University of Muenster, Germany.

Nerses Yeritsyan
Head, Information Systems Agency of Armenia and former Deputy Governor, Central Bank of Armenia

Nerses Yeritsyan is the Director of the Information Systems Agency of Armenia (ISAA). He also serves as the Secretary of Armenia's Information Systems Management Board (ISMB). In this role, Mr. Yeritsyan oversees the creation of a Digital Society and Economy in Armenia, an ambitious initiative to drive inclusive growth, enhance the provision of citizen-centric services, and empower all Armenians to continuously improve their lives and wellbeing.

Nerses Yeritsyan was the Deputy Governor of the Central Bank of Armenia. Since joining the Central Bank in 1993, Mr. Yeritsyan has occupied a wide range of roles, from heading the Monetary Policy Department to founding the Financial Intelligence Unit (FIU), as well as serving as Member of the Board. Across all leadership roles, Mr. Yeritsyan has helped advance the Central Bank's impact and led the implementation of innovative analytical, organizational, and policymaking capabilities.

From 2001 to 2003, he served as an Advisor to the Dutch Executive Director of the IMF. From 2007 to 2010, Mr. Yeritsyan served as the Minister of Economy of Armenia. He has also represented Armenia in several international organizations such as the World Bank, International Monetary Fund, EBRD, and ADB.

Mr. Yeritsyan holds a Ph.D. in Economics awarded by the Joint Council of the Yerevan State University, Yerevan Institute of National Economy and Institute of Economics of the Academy of Science. He is a graduate of Columbia Business School's Columbia Senior Executive Program (CSEP).

MODERATOR

Arndt Husar
Senior Public Management Specialist (Digital Transformation), Digital Technology for Development Division, CCSD, ADB

As a senior public management specialist in ADB's Digital Technology for Development Division, Arndt facilitates the effective use of digital technology, advising ADB clients, regional departments, as well as sector and thematic groups on digital transformation.

Arndt provides technical assistance, knowledge and capacity development support on data management, technology risks, tech start-up ecosystems, and digital transformation strategies. He has authored working papers and reports on cloud computing, digital connectivity solutions, startup ecosystem development and the future of transport. Contributing to the future-readiness of ADB, he has been promoting futures thinking and

foresight activities, co-leading foresight projects of the transport sector group as well as country-level activities.

Prior to ADB, Arndt worked with the UN Development Programme at national, regional, and global levels. He holds a master's degree in spatial planning from TU Dortmund University, Germany.

Closing Remarks [5:00–5:10 p.m.]

Bruno Carrasco
Director General, Climate Change and Sustainable Development Department, ADB

Bruno Carrasco leads ADB-wide knowledge, innovation, policies, and strategies in all thematic and sector operation areas and ensures compliance with environment and social safeguards policies. He oversees the administration of trust funds and global funding initiatives and provides advice to Management on strategic and policy matters, work plans, and major operational matters. He joined ADB 25 years ago and has served in countries across all its regional departments. He holds a doctorate degree in economics from the University of Essex.

Day 3 - Thursday, 21 September | Multifunction Hall 1
Accelerating Digital Transformation at ADB

AI x Impact at ADB "AI and Big Data Lab" [9:00–9:30 a.m.]

Eleonore Fournier-Tombs
Head of Anticipatory Action and Innovation, United Nations University for Policy Research

Eleonore Fournier-Tombs has worked as a data scientist throughout the United Nations system and conducted research at the intersection of technology and gender, migration, democracy and health.

In 2012, she was awarded the UN21 Award by Secretary General Ban Ki Moon for her work at UN-OICT on the Rio+20 Conference. She then worked for the Human Development Report Office from 2012 to 2015, where she managed human development data and online communications. Between 2015 and 2018, she obtained her PhD from the university of Geneva, during which she developed a machine learning method to measure the quality of political deliberations online. She was then awarded a post-doctoral fellowship at McGill University, where she worked on using this tool to analyze parliamentary debates in the Canadian territories of Nunavut, Yukon, and the Northwest Territories.

From 2018 to 2020, Eleonore worked as a data scientist at the Centre for Humanitarian Data, OCHA, where she contributed notably to modelling COVID-19 in countries experiencing humanitarian crises. She continued this work in 2020 and 2021 at the World Bank, where she also participated in climate-related policy research in Afghanistan, Morocco, and Jamaica.

In 2021, Eleonore founded a research lab in the research chair on Accountable AI in a Global Context at the University of Ottawa Faculty of Law, where she was one of the recipients of an IDRC grant on AI for COVID-19 in Senegal and in Mali. Eleonore has

also lectured at the Université de Montréal in new technologies for international cooperation and is a member of the editorial board for Data & Policy journal.

Muhammad Ehsan Khan
The Secretary, Asian Development Bank

Muhammad Ehsan Khan, a Pakistani national, joined Office of the Secretary on 15 January 2021. As the Secretary, he is the focal point for relations between ADB's Management and Staff and the Board of Directors. In his current role, he coordinated four annual meetings, including Hybrid Annual Meeting in ADB Headquarters in 2022 and in-person Annual Meeting in Incheon, Republic of Korea in 2023.

Between May 2019 and January 2021, as Senior Advisor, Central and West Asia Regional Department (CWRD), Mr. Khan supported the Director General, CWRD in overseeing the operational matters relating to the ten development member countries covered by the department. In this role, he contributed to the department's key operational deliverables, particularly country partnership strategies, the policy-based operations and COVID-19 Pandemic Response Option (CPRO) operations.

Between February 2017 and May 2019, Mr. Khan headed the Human Resources Business Partners Division, in the Budget, Personnel and Management Systems Department (BPMSD) as Director, where he was responsible for bank-wide human resources management, including talent acquisition. Between May 2014 and May 2017, he served as the Advisor BPMSD and Head of the Unit for Institutional Coordination, where he oversaw the organizational and workforce analysis and planning for the Asian Development Bank. While working in BPMSD, Mr. Khan led the key reforms relating to position management and recruitment and initiated the work force analysis as the basis for work force planning.

Between August 2012 and May 2014, Mr. Khan served as a Senior Advisor to the ADB President, where he advised the President on the proposed investment projects, policy-based loans and technical assistance projects. Prior to that, Mr. Khan worked as the Principal Economist and Senior Economist in ADB's Economics and Research Department (now the Economic Research and Regional Cooperation Department) from October 2006 and July 2012. In these roles, he led economic diagnostic studies in a range of development member countries. Between February 2003 and September 2006, Mr. Khan worked as a Project Economist in ADB's Southeast Asia Regional Department, where he worked in Indonesia and the Philippines on a range of projects in agriculture, irrigation and rural development sectors.

Prior to joining ADB in 2003, Mr. Khan was working with Halcrow Group, a consulting firm, where he managed the Group's projects in agriculture, irrigation and rural development sectors in Pakistan. In addition, he worked as a freelance consultant for ADB, International Fund for Agricultural Development, Islamic Development Bank, Japan Bank for International Cooperation, United Nations and the World Bank in a number of countries in the South and Southeast Asia and the Middle East.

He co-edited the monographs, 'Diagnosing the Indonesian Economy – Toward Inclusive and Green Growth' (2012) and 'Diagnosing the Philippine Economy-Toward Inclusive Growth' (2009). He was also the lead author of 'Indonesia: Critical Development Constraints', 'Philippines: Critical Development Constraints', 'Nepal: Critical Development Constraints', and 'Papua New Guinea: Critical Development Constraints'. Other major publications that he contributed to include the 'Special Report – Food Prices and Inflation

| | in Developing Asia: Is Poverty Reduction Coming to an End?' (2008), 'Indonesia – Strategic Vision for Agriculture and Rural Development', Pakistan Water Sector Strategy, and Water Sector Medium Term Investment Plan.

Mr. Khan holds PhD in Agricultural Economics (Oklahoma State University 1993), MS in Agricultural Economics (University of Wyoming 1990), and a BS in Agriculture (Colorado State University 1989). |
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| | **Ozzeir Khan**
Director, ITD-IA

Ozzeir Khan is the Director of the Office of Digital Innovation and Architecture Division within Asian Development Bank. He is currently also heading the ADB Digital Innovation Sandbox Program.

He has worked for United Nations and global financial banking services sector in Asia, Europe, and the USA.

Prior to joining the ADB, he was Chief of Innovation and Business Relationships at United Nations HQ in New York, where he was responsible for developing relationships with departments, member countries, facilitating public-private sector partnerships and leading innovation labs' development globally.

His broad areas of expertise include Digital Transformation, Innovation, and Emerging Technologies adoption by Public Sector and International Agencies. |
| | **Kadra Saeed**
Principal IT Specialist (Digital Products Lead), Asian Development Bank

With over 18 years of experience in diverse industry in Europe, Africa and Asian. Kadra is an AI and big data lead with a breadth of experience across finance, risk, and transformational technology. At ADB, she is leading the product vision and delivery of emerging digital products - from incubation to scale. Prior to joining ADB, Kadra worked at UBS AG, leading work in the AI, robotics and big data space. |
| **Showcase of Data and AI** [9:30–10:40 a.m.] |
| | **Kadra Saeed**
Principal IT Specialist (Digital Products Lead), Asian Development Bank

With over 18 years of experience in diverse industry in Europe, Africa and Asian. Kadra is an AI and big data lead with a breadth of experience across finance, risk, and transformational technology. At ADB, she is leading the product vision and delivery of emerging digital products - from incubation to scale. Prior to joining ADB, Kadra worked at UBS AG, leading work in the AI, robotics and big data space. |
| | **Rod Aragon**
Principal IT Specialist (Engineering and Innovation), Asian Development Bank

He is responsible for organizing and conducting training and coaching activities on newly deployed IT systems and refreshers on existing ADB applications for the Headquarters and |

the Field Office personnel. He also leads the teams providing Adoption and Change Management services for mainstreamed applications and IT eLearning development.

Rod is known for his problem-solving skills and his ability to adapt to new technologies quickly. His colleagues appreciate his collaborative approach and his dedication to improving the department's efficiency through innovative IT solutions. As a Senior IT Officer, Rod continues to contribute significantly to the IT Department's goals and objectives. His work at the Asian Development Bank exemplifies his commitment to excellence in the field of Information Technology.

Nicolas Miravalls
Co-Founder and CEO, ORIS

Nicolas Miravalls is the CEO of ORIS and co-founder of ORIS, the first digital construction materials platform for a smart-use of resources and low-impact infrastructure. Nicolas has extensive international experience in the infrastructure industry, from site engineering to general management, international contracting and business development. He spent 15 years abroad in Africa and Eastern Europe for an international contractor, and several years as an international independent consultant. He co-founded ORIS, an independent and neutral entity, aiming for sustainable infrastructure.

Carolyn Dedolph-Cabrera
Principal IT Specialist (Digital Adoption and Outreach), Asian Development Bank

Carolyn's current role as Principal IT Specialist is to help build Asian Development Bank's digital capability through the Digital Fitness Program and Driving Digital Leadership Program. Her career has spanned communications, knowledge management, change management, climate change and agriculture. Prior to ADB, she worked at the International Rice Research Institute as a science editor and writer. Her interests include hiking and green living.

Cyber Resilience [11:00a.m.–12:00 p.m.]

Steffen Minkmar
IT Specialist (Information Security), Asian Development Bank

As the Head of IT Risk and Operational Resilience at the Asian Development Bank (ADB), Steffen leads a team of experts in the fields of cyber resilience, ICT risk management, ICT compliance, and IT audit support. He has more than 20 years of experience in the areas of IT security, risk management, and IT governance, working with various stakeholders and partners across the globe. Steffen's career began in IT audit and security consultancy with PricewaterhouseCoopers in Germany and later in Hong Kong. Following this, he joined several multilateral development banks, where he held different roles such as team lead for information security at ADB, IT compliance supervisor at the World Bank, and acting Head of the Cybersecurity Division at the European Investment Bank which Steffen is expected to rejoin after completing his second ADB tour. His unique exposure to all three lines of defense enables him to look at cybersecurity and resilience from different perspectives and to align them with the strategic objectives and values of the organization*.*

Connecting Asia through Digital Payments –
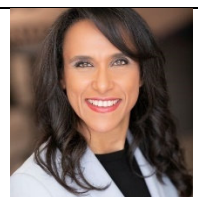## Building on India's Experience and Lessons from Asia [1:30–03:00 p.m.]

Kenichi Yokoyama
Director General, SARD

Kenichi Yokoyama is the Director General of the Asian Development Bank (ADB) South Asia Department. He assumed office in May 2020. Mr. Yokoyama oversees the operations of seven sector divisions and six country offices in South Asia regions as well as regional cooperation initiatives. The six countries include Bangladesh, Bhutan, India, Maldives, Nepal, and Sri Lanka. Mr. Yokoyama joined ADB in 1999 and has since occupied progressively responsible positions. Early in his ADB career, he was assigned to project operations in South Asia covering the water resources sector. Between 2012 and 2017, he served as Country Director for Nepal Resident Mission. In 2017, he was appointed as Country Director for India Resident Mission where he stayed until April 2020. Prior to joining ADB, he worked for the Government of Japan for 16 years. He holds a master's degree in agriculture economics from Stanford University, USA, and obtained his undergraduate degree in Agriculture Engineering from Iwate University Japan.

Chul Park
Senior Analyst, Korea Financial Telecommunications and Clearings Institute

Mr. Chul Park joined the company more than 16 years ago. Starting his career as a S/W developer in KFTC, Mr. Park undertook payment and PKI software development for about 11 years. Returning with a master's degree of science in cybersecurity, Mr. Park resumed his work in International Cooperation team, proving to be a valuable asset to the team and the company as a whole. He has carried out many international consulting and training programs recently including 'Policy Advice on Implementation of Open Banking Platform in the Lao PDR', 'Basic Research: Environment for Open Banking Cooperation in the ASEAN Region', and 'KOICA Fellow Program for Bank Al-Maghrib'. He has also supported other international cooperation projects with his IT expertise. Mr. Park earned his Bachelor's degree in Computer Science and Engineering from Seoul National University in Korea and his master's degree of Science in Cybersecurity from Korea University in Korea.

Heba Shams
VP for Global Public Policy, Mastercard

Heba Shams, Vice President for Global Public Policy - Leads Mastercard engagement with multilateral institutions. A fellow of Mastercard Policy Center for the Digital Economy focusing on inclusive Fintech and international development. Before joining Mastercard, she had a 15-year career at the World Bank playing a variety of leadership roles and advising over 30 governments on financial sector and investment policy reform. She is a published author and Editor of the Multilateral Monitor.

Ozzeir Khan
Director, IT Department, ADB

Ozzeir Khan is the Director of the Office of Digital Innovation and Architecture Division within Asian Development Bank. He is currently also heading the ADB Digital Innovation Sandbox Program. He has worked for United Nations and global financial banking services sector in Asia, Europe, and the USA.

Prior to joining the ADB, he was Chief of Innovation and Business Relationships at United Nations HQ in New York, where he was responsible for developing relationships with departments, member countries, facilitating public-private sector partnerships and leading innovation labs' development globally. His broad areas of expertise include Digital Transformation, Innovation, and Emerging Technologies adoption by Public Sector and International Agencies.

Jazira Asanova
Principal Operations Coordination Specialist, South Asia Department (SARD)

Jazira Asanova has over 20 years of experience, including 15 years with ADB, in three operations departments and Strategy, Policy and Review Department (SPD). In SPD, she led development of ADB's corporate results frameworks for 2017-2020 and 2019-2024. Jazira designed and implemented investment projects in the education sector in the People's Republic of China, Mongolia, Central Asia, and Caucuses. In ADB's South Asia Department, she leads knowledge management, digital technology and capacity development initiatives. Prior to ADB, Jazira held lecturer positions at the University of Toronto, Canada. She has published book chapters and articles on educational reform in developing countries in peer reviewed journals. She holds a Ph.D. in Educational Leadership and Policy from Hofstra University, New York, and has undertaken graduate study in comparative and international education at Columbia University, New York.

MODERATOR

Peter du Pont
Asia Clean Energy Partners

Peter du Pont has more than 30 years' experience developing sustainable energy and climate programs in the U.S. and Asia. He has carried out assignments related to the design, implementation, and evaluation of clean energy policy and plans, energy and climate finance, and climate change programs. He contributes to the clean energy ecosystem in the region through a variety of assignments, including as Southeast Asia Regional Coordinator of the Private Financing Advisory Network (PFAN); his founding and continuing role helping to leading the Asia Clean Energy Forum; and through a variety of strategic advisory and capacity-building assignments for public- and private-sector clients. Peter has a masters degree in Public Health from the University of California, Berkeley, and a Ph.D. in Energy and Environmental Policy from the University of Delaware.

KEY PRESENTER

Chetan Lotankar
Market Lead (APAC)
National Payments Corporation of India, International Payments Ltd.

Chetan is an accomplished payment professional with strong background in financial ecosystem. Chetan holds a master's in business administration from DSIMS, Mumbai. Chetan's expertise lies in foreign payments, where he combines strategic thinking, financial acumen, and innovation to navigate the evolving landscape of transactions. Off the clock, Chetan's passion for cricket takes center stage as he enjoys playing the sport and celebrating its team spirit.

Master of Ceremonies (19-20 September)

Mitzi Borromeo

Mitzi Borromeo is a media and communications specialist with over two decades of multi-media communications experience with media networks, non-government organizations, and corporations focused on conservation, sustainability, and popular education. She was previously an award-winning broadcast journalist with CNN Philippines. Among her projects is Director, Executive Producer, and Screenwriter of MIND S-COOL TV, the top-rated family TV show in the Philippines. Mitzi is also a Climate Reality Leader trained by former U.S. Vice President Al Gore.