



Opening Session A: Sustainable Infrastructure through Technology

Digital and other technological applications can help drive the planning, construction, and operation and maintenance cycles of sustainable infrastructure offering a profound change to the delivery and operation of public infrastructure in the 21st century. This session will discuss the ways in which technology can enhance the provision of more sustainable and effective infrastructure, how technology can help countries achieve the Sustainable Development Goals, and where the greatest opportunities for the development of technology supported sustainable infrastructure may emerge.

Moderator: Sharanjit Leyl, BBC Singapore

Panelists:

Takehiko Nakao, President, ADB

Suma Chakrabarti, President, European Bank for Reconstruction and Development (EBRD)

Werner Hoyer, President, European Investment Bank (EIB)

Eriko Asai, President and Chief Executive Officer, GE Japan

Luis Alberto Moreno, President, Inter-American Development Bank (IADB)

Xian Zhu, Vice President Chief Operations Officer, New Development Bank (NDB)

Emma Sri Martini, President Director, PT Sarana Multi Infrastruktur (Persero), Indonesia

Kristalina Georgieva, Chief Executive Officer, World Bank Group (WB)

Sharanjit Leyl, BBC Singapore



Sharanjit Leyl is an experienced broadcaster with nearly 20 years presenting on international news channels. She anchors Newsday and Asia Business Report from the BBC's Singapore studio but has also anchored BBC programmes from London, filed reports for radio on the BBC World Service and written for BBC news online. She regularly anchors live on location for on breaking stories in the region such as Typhoon Haiyan in the Philippines, and the search for Malaysia Airlines flight MH370. Singaporean by birth, Sharanjit presents and produces documentaries on BBC World News including Singapore at 50, documenting one of the 20th century's greatest success stories -- the transformation of her home from developing to first world. Noteworthy interviews include the Prime Ministers of Thailand, Pakistan and New Zealand, Australia, Malaysia and Singapore, Presidents the Philippines, the World Bank and the IMF, and chief executives from companies ranging from Microsoft to Walmart. She's now such a familiar face of business for viewers in Asia that she is regularly invited to moderate high level debates for the United Nations, the World Bank, the IMF, the ADB and other NGOs. At the Asian TV Awards last year, she was highly commended as best anchor.

Takehiko Nakao, President of the Asian Development Bank



Takehiko Nakao is the President of the Asian Development Bank (ADB) and the Chairperson of its Board of Directors. He was elected President by ADB's Board of Governors and assumed office in April 2013.

Before joining ADB, Mr. Nakao was the Vice Minister of Finance for International Affairs at the Ministry of Finance of Japan. In a career spanning more than three



decades, Mr. Nakao has gained extensive experience in international finance and development. He has held senior positions in the Ministry of Finance in Japan, which he joined in 1978, including Director-General of the International Bureau, where he fostered close ties with leading figures in the Asia-Pacific region and G20 nations.

He was Minister at the Embassy of Japan in Washington D.C., between 2005 and 2007, and from 1994 to 1997 served as economist and advisor at the International Monetary Fund. Mr. Nakao has published books and numerous papers on financial and economic issues, and in 2010 and 2011 was a Visiting Professor at the University of Tokyo.

Sir Suma Chakrabarti, President, European Bank for Reconstruction and Development



Sir Suma Chakrabarti is the sixth President of the European Bank for Reconstruction and Development. He has extensive experience in international development economics and policymaking, as well as in designing and implementing wider public service reform.

Most recently he held the position of Permanent Secretary at the British Ministry of Justice and was its most senior civil servant. Prior to this, from 2002, he headed the UK's Department for International Development where he worked closely with economies undergoing substantial reform in Eastern Europe, the former Soviet Union, and the Middle East and North Africa. Sir Suma played a key role in developing the UK's successful Know-How Fund for Central and Eastern Europe and worked with the European Commission in improving its programs in the Middle East and North Africa.

Werner Hoyer, Ph.D., President of the European Investment Bank



Werner Hoyer has been President and Chairman of the Board of Directors of the European Investment Bank since 2012. Prior to his appointment, Dr. Hoyer was Deputy Foreign Minister at the German Foreign Office between 2009 and 2011 after having been Deputy Chairman and Foreign Affairs Spokesman of the Free Democratic Party (FDP) between 2002 and 2009.

Dr. Hoyer was a Member of the German Bundestag between 1987 and 2011 and also held the positions of whip and Security Policy Spokesman, FDP's Deputy Chairman, Deputy Chairman of the German-American Parliamentary Friendship Group, and FDP Secretary General. He was Deputy Foreign Minister at the German Foreign Office between 1994 and 1998 and President of the European Liberal Democratic Reform Party (EDLR) between 2000 and 2005. From 1994 to 1998, Dr. Hoyer was Minister of State at the Foreign Office in the Fifth Cabinet Kohl under Foreign Minister Klaus Kinkel. In 1996, he was the German negotiator at an intergovernmental conference in Turin that was aimed at improving the European Union's decision making processes.

Eriko Asai, President and CEO, GE Japan



Eriko Asai joined GE Healthcare Japan in 2011 as the Managing Director for Government Affairs. In 2013, she moved to GE Japan expanding her responsibility for all the businesses in Japan. In addition, she has served as the co-leader for GE Women's Network Japan. In January 2018, Eriko assumed the role of President and CEO, GE Japan, in addition to her role as Executive Managing Director of Government Affairs & Policy.



Before joining GE, Eriko worked for Microsoft Japan as the Director for Corporate Affairs for eight years, where she worked extensively on information technology policy. Earlier in her career, Eriko worked for Sony Corporation both in Japan and its European headquarters with roles in marketing communications.

Eriko is the Governor of American Chamber of Commerce in Japan (ACCJ). She has a bachelor's degree in law and political science from Keio University in Japan.

Luis Alberto Moreno, President of the Inter-American Development Bank



Luis Alberto Moreno assumed the presidency of the Inter-American Development Bank (IDB) in October 2005. As President of the IDB, Moreno also chairs the Board of Executive Directors of the Inter-American Investment Corporation (IIC) and the Donors' Committee of the Multilateral Investment Fund (MIF), both institutions of the IDB Group.

Before joining the Bank, Moreno served as Colombia's Ambassador to the United States for seven years. In his country, he served as Minister of Economic Development and President of the Instituto de Fomento Industrial. In the private sector, he served as advisor to major Colombian and foreign investors and was executive producer of a leading television news program.

Moreno has received numerous distinctions awarded by governments and private entities, including the Grand Cross of the Order of Boyacá and the Clinton Global Citizen Award for Leadership in Public Service. Moreno holds a degree in Business Administration and Economics from Florida Atlantic University and an MBA from the Thunderbird School of Global Management. He also pursued specialized studies at Harvard University under a Neiman Fellowship.

Xian Zhu, Vice President Chief Operations Officer, New Development Bank



Mr. Xian Zhu is Vice President and Chief Operations Officer of the New Development Bank. He is responsible for project lending, other investment instruments operational compliance and project procurement as well as the regional offices of the Bank.

Over the past three decades, Mr. Zhu assumed various senior management roles in the public sector. Most recently Mr. Zhu served as Vice President and Chief Ethics Officer at World Bank Group from 2012 to 2015. Since 2002, he served as Strategy and Operations Director for South Asia, Country Director for Bangladesh (based in Dhaka) and Country Director for the Pacific Islands, Papua New Guinea, and Timor Leste (based in Sydney). From 1999 to 2001, Mr. Zhu served as Executive Director for China in the World Bank Group.

In 2001, Mr. Zhu served in Asian Development Bank based in Manila, the Philippines, first as Senior Advisor for Infrastructure Department, Western Asia Region (South Asia), and then appointed as Principal Director, Co-Finance.

Until the late 1990s, Mr. Zhu worked at China's Ministry of Finance in various capacities. His last job in Ministry of Finance was Director General, International Department. He also worked in different departments, including External Finance, World Bank Operations and Sovereign Debt Management.



Mr. Zhu graduated from Peking University in 1982 with BA in western language and literature. He won Heinz Fellowship and studied economics in Pittsburgh University in mid-1980s.

Emma Sri Martini, President Director, PT Sarana Multi Infrastruktur (Persero)

Ms. Emma Sri Martini has been President Director at PT Sarana Multi Infrastruktur (Persero) since February 23, 2009. Ms. Martini is in charge of overseeing the overall operation of the PT Sarana Multi, including the development of its long term strategy and ensuring strict compliance to good corporate governance practices in all of the operations. Previously, Ms. Martini served as Director of Finance and Support at PT Perusahaan Pengelola Aset (Persero) from 2004 to 2009, Commissioner at PT Trans Pacific Petrochemical Indotama from 2004 to 2009. She served as Senior Vice President from 2002 to 2004 and Assistant Vice President - Group Head from 1998 to 2001 of the Indonesian Bank Restructuring Agency (IBRA) and PT Kustodian Depositori Efek Indonesia/ Indonesian Clearing and Depository System from 1993 to 1998. She has been Director of PT Sarana Multi Infrastruktur (Persero) since 2009. She has been actively involved in supporting Indonesia's infrastructure development, among others as speakers and panelists in various domestic and international infrastructure forums. She earned her Bachelor's Degree in Informatics from Bandung Institute of Technology in 1993 and attended the Infrastructure in a Market Economy program at the Harvard Kennedy School Executive Education in 2011.



Kristalina Georgieva, Chief Executive Officer of the World Bank



As the CEO for the [International Bank for Reconstruction and Development](#) and the [International Development Association](#), the World Bank's lending arms for middle-income and poor countries, Georgieva will build support across the international community to help mobilize resources and develop more effective solutions for the poor at the scale required.

Previously, Georgieva, a Bulgarian national, helped shape the agenda of the European Union since 2010, first as Commissioner for International Cooperation, Humanitarian Aid and Crisis Response, where she managed one of the world's largest humanitarian aid budget and established herself as a global champion for resilience.

As the European Commission Vice President for Budget and Human Resources, Georgieva was in charge of the European Union's €161 billion (US \$175bn) budget and 33,000 staff across its institutions around the world. She tripled funding available to the refugee crisis in Europe and drove rapid progress towards achieving a target of 40 percent women in management by 2019 in order to improve the Commission's gender balance.

Georgieva is widely respected for her efforts to mobilize the international community to find innovative solutions to today's complex challenges. As the co-chair of the United Nations Secretary-General's High-Level Panel on Humanitarian Financing, she secured the adoption of a much more effective system to meet the needs of record numbers of vulnerable people.

Before joining the European Commission, Georgieva held multiple positions at the World Bank. In her most recent role as the Vice President and Corporate Secretary (2008-2010), she was the interlocutor between the World Bank Group's senior management, its Board of Directors and its



shareholder countries. In the wake of the 2008 international financial crisis, she played a key role in the World Bank's governance reform and accompanying capital increase.

From 2007 to 2008, Georgieva was Director for Sustainable Development in charge of policy and lending operations in infrastructure, urban development, agriculture, environment and social development, including support to fragile and conflict-affected countries. In this role she oversaw around 60% of lending operations of the World Bank Group.

Prior to that, in 2004, Georgieva was made World Bank Director for the Russian Federation, based in Moscow. Then she became Director in charge of the World Bank environmental strategy, policies and lending. Following that assignment, she became Director for Environment and Social Development for the East Asia and Pacific Region. Georgieva started working at the World Bank in 1993 as an Environmental Economist.

Deeply knowledgeable in international development and finance, Georgieva established a well-deserved reputation during her time at the Bank for her ability to build broad consensus and turn strategies into practice. She has more than 100 publications on environmental and economic policy topics, including a textbook on microeconomics.

Kristalina Georgieva was born in Sofia, Bulgaria, in 1953. She holds a Ph.D in Economic Science and a M.A. in Political Economy and Sociology from the University of National and World Economy, Sofia, where she was an Associate Professor between 1977 and 1991.