



# **Green Business Forum for Asia and the Pacific**

## Investing in a Sustainable Future

22–24 November 2016 • ADB Headquarters



# ABOUT THE FORUM

Sustainable Development Goals and Paris Climate Agreement will guide global efforts for sustainable development up to 2030. Success in meeting this transformative new global development imperatives will require mobilization of huge amount of resources. Given the limited availability of public sector resources, private sector investment in environmental goods and services is critical for success.

Sixty percent of the world’s population lives in Asia, fast migrating from rural to urban areas. With several of the major economic powerhouses, the region comprises nearly 40% of global output and contributes 60% to global growth. Several environmental issues including air pollution, deforestation and land degradation, water pollution and climate change, are of growing concern, and reduce the sustainability of our region’s economic development. At this core is a looming prospect of a dwindling supply of the region’s natural capital and increasingly vulnerable environmental services.

The Asian Development Bank’s (ADB) first Green Business Forum affirms that green business development is crucial for achieving environmentally sustainable growth and places special emphasis on importance of green business in underserved area such as pollution (i.e. water, air and soil), water and land resources degradation, and biodiversity loss. This is a prime opportunity for businesses and private sector investors to be more engaged, coupled with technologies, innovations, research and knowledge, all of which can serve as important engines for growth in the region.

The event brings together over 300 green business practitioners and professionals, financial institutions, government officials from ADB developing member countries, civil society stakeholders, national and international experts, and other stakeholders to share knowledge and identify avenues for promoting green business solutions in the region. The Forum will provide a platform for knowledge sharing and lessons learning on the best policies and incentives, institutional arrangements, and financing modalities that can best support rapid green business development in the region.

Notes:

ADB recognizes “China” as the People’s Republic of China; “Hong Kong” as Hong Kong, China; and “Vietnam” as Viet Nam. In this publication, “\$” refers to US dollars.



## Forum Schedule - Day 1: Tuesday, 22 November 2016

8:00–9:00 a.m.	Registration: Auditorium Hall A–C
9:00–9:10 a.m.	Introduction of Forum and GreenTech Connect: Auditorium A–C <b>WELCOMING REMARKS</b> <b>Ma. Carmela D. Locsin</b> , Director General, Sustainable Development and Climate Division, ADB
9:10–9:20 a.m.	INTRODUCTION - Green Business: Status and Trends  By <b>Daniele Ponzi</b> , Technical Advisor (Environment), and Chair, Environment Thematic Group Committee, ADB
9:20–10:30 a.m.	<b>OPENING PLENARY: HIGH-LEVEL ROUNDTABLE DISCUSSION</b> <i>Securing the Future of Green Business in Asia-Pacific</i>  MODERATOR: <b>Sharanjit Leyl</b> , Producer and Presenter, BBC News  PANELISTS: <b>Takehiko Nakao</b> , President, ADB <b>Anwar Hossain</b> , Minister, Ministry of Environment and Forestry, Bangladesh <b>Regina Lopez</b> , Secretary, Department of Environment and Natural Resources, Philippines <b>Erik Solheim</b> , Executive Director, United Nations Environment Programme <b>Madhu Khanna</b> , Professor in Environmental Economics, University of Illinois, Urbana–Champaign <b>Daniel Spitzer</b> , Chairman and CEO, Mountain Hazelnuts Group
10:30–11:00 a.m.	Coffee Break
11:00–12:30 p.m.	<b>PLENARY 1</b> Creating Enabling Policy and Regulatory Frameworks for Green Business Introduction: By <b>Herath Gunatilake</b> , Director, Environment and Safeguards Division, ADB  PRESENTATION ON: Policies for Green Business Complementaries and Synergies By <b>Lucy Hurst</b> , Director, Economist Intelligence Unit (EIU)  <b>Panel on “Getting the Policies Right: Prioritization Options”</b> MODERATOR: <b>Sharanjit Leyl</b> , Producer and Presenter, BBC News  PANELISTS: <b>F. Umiich Sengebau</b> , Minister, Ministry of Natural Resources, Environment and Tourism, Republic of Palau <b>Karlo Alexei Nograles</b> , Representative, First District, Davao City, Philippines <b>Oyun Sanjaasuren</b> , Chair, Global Water Partnership <b>Mark Laska</b> , Founder and President, Great Ecology; Managing Partner, Tellurium Partners <b>Sonomi Tanaka</b> , Technical Advisor (Gender), ADB <b>Herath Gunatilake</b> , Director, Environment and Safeguards Division, ADB
12:30–1:30 p.m.	Lunch, Executive Dining Room



1:30-3:00 p.m.	<p><b>Green Business Marketplace:</b> Auditorium A-C Facilitator: <b>Matthias Gelber</b>, Co-founder, Maleki GmbH</p> <p>The Green Business Marketplace is a venue for interaction and knowledge sharing among green enterprises, technology developers, representatives of financial institutions, and interested observers.</p> <p>Featured organizations will present their green innovations and businesses to participants in rotation every 15 minutes.</p>
3:00-3:30 p.m.	Coffee Break
3:30-5:00 p.m.	<p><b>PLENARY 2</b> Mobilizing Private Sector Finance</p> <p>Power Talk by <b>Paul Tregidgo</b>, Managing Director of Credit Suisse in the Global Markets Division, and Vice Chairman – Debt Capital Markets, New York With <b>Sharanjit Leyl</b>, Producer and Presenter, BBC News</p> <p><b><i>Panel on “Upscaling Green Business in Asia-Pacific through Private Sector Finance”</i></b> <u>MODERATOR:</u> <b>Michael Barrow</b>, Director General, Private Sector Department, ADB</p> <p><u>PANELISTS:</u> <b>Atiur Rahman</b>, Professor, Department of Development Studies, University of Dhaka <b>Christopher Knowles</b>, Head of Climate Change &amp; Environment Division European Investment Bank <b>Assaad Razzouk</b>, Group CEO, Sindicatum Sustainable Resources <b>Mahua Acharya</b>, Assistant Director-General and Head of Investment and Policy Solutions Global Green Growth Institute <b>Dipal Chandra Barua</b>, Founder, Bright Green Energy Foundation <b>Arun Agrawal</b>, Group President, International Banking &amp; MNC Corporate Banking, YES BANK</p>
5:30-7:30 p.m.	Cocktail Reception, ADB Courtyard



## Forum Schedule - Day 2: Wednesday, 23 November 2016

8:00–09:00 a.m.	Registration: Auditorium Hall A–C	
9:00–10:30 a.m.	<p><b>PLENARY 3</b>          Green Technology and Business Innovation, Auditorium A–C</p> <p><b>Panel on “Technology and Innovation for Green Business: From Niche to Mainstream”</b>  <u>MODERATOR:</u>  <b>Akmal Siddiq</b>, Director, Environment, Natural Resources and Agriculture Division, ADB</p> <p><u>PANELISTS:</u>  <b>Alka Upadhyay</b>, Assistant Vice President, Tata Sustainability Group  <b>Chris Tilaka-Sri Dharmakirti</b>, Executive Director,          Strategic Enterprise Management Agency, Sri Lanka  <b>Priyantha Wijayatunga</b>, Principal Energy Specialist, Energy Sector Group, SDCC, ADB  <b>Matthew Rajendra</b>, Founder and CEO, Green Data Center LLP  <b>David Sundahl</b>, Senior Research Fellow, Emerging Research, Clayton Christensen Institute for Disruptive Innovation  <b>Anthony Halog</b>, Faculty Member, Industrial Environmental Management University of Queensland</p>	
10:30–11:00 a.m.	Coffee Break	
11:00–12:45 p.m.	PARALLEL SESSIONS	
	<p><b>Track 1A</b>  <b>Mitigation Banking</b>          (Auditorium B)</p> <p><u>CHAIR:</u>  <b>Herath Gunatilake</b>, Director          Environment and Safeguards Division, ADB</p> <p><u>PANELISTS:</u>  <b>Douglas Pabst</b>, Division Chief, Drinking Water and Municipal Infrastructure Branch, US Environmental Protection Agency  <b>Mark Laska</b>, Founder and President, Great Ecology; Managing Director, Tellurium Partners  <b>Ritesh Kumar</b>, Conservation Program Manager, Wetlands International–South Asia  <b>Ary Sudijanto</b>, Director for Environmental Impact Prevention of Business and Activity, Directorate General for Forestry and Environmental Planning, Ministry of Environment and Forestry –Indonesia  <b>Eang Sophalleth</b>, Under Secretary of State, Ministry of Environment, Cambodia  <b>Lucy Hurst</b>, Director, EIU  <b>Matthias Gelber</b>, Co-founder, Maleki GmbH</p>	<p><b>Track 2A</b>  <b>Business Opportunities in Natural Capital</b>          (Auditorium C)</p> <p><u>CHAIR:</u>  <b>Bruce Dunn</b>, Principal Environment Specialist          Environment and Safeguards Division, ADB</p> <p><u>PANELISTS:</u>  <b>Paul Tregidgo</b>, Managing Director and Vice Chairman, Debt Capital Markets, Credit Suisse  <b>Daniel Spitzer</b>, Chairman &amp; CEO, Mountain Hazelnuts Group  <b>Chaoni Huang</b>, Head of Business Development – Asia, Trucost  <b>Yasushi Hibi</b>, Vice President, Asia Policy, Conservation International  <b>Agus Purnomo</b>, Managing Director for Sustainability and Strategic Stakeholder Engagement, Golden Agri-Resources Ltd.</p>
12:45–2:30 p.m.	Working Lunch: GreenTech Connect Innovation Demos Executive Dining Room	





2:30-4:00 p.m.	<b>PARALLEL SESSIONS</b>	
	<p><b>Track 1B</b> <b>Certification and Labels</b> (Auditorium B) <u>CHAIR:</u> <b>Daniele Ponzi</b>, Technical Advisor (Environment) and Chair, Environment Thematic Group Committee, ADB</p> <p><u>PANELISTS:</u> <b>June Ng Thompson</b>, Communications Manager, Forest Stewardship Council – Asia <b>Geoffrey Muldoon</b>, Senior Manager, Business and Industry, WWF <b>Md. Fazlul Hoque</b>, Managing Director, Plummy Fashion Limited–Bangladesh <b>Madhu Khanna</b>, Professor, University of Illinois-Urbana Champaign <b>Sherin Lin</b>, Vice President, Academy &amp; Life Care Greater China, TÜV Rheinland (Guangdong) Ltd.</p>	<p><b>Track 2B</b> <b>Green Bonds: Catalyzing Debt Financing</b> (Auditorium C) <u>CHAIR:</u> <b>Noel Peters</b>, Senior Safeguards Specialist, Private Sector Operations Department, ADB <u>PRESENTATION ON:</u> <i>“Growing the Green Bond Market to Finance Green Business: Where are We, Where Next?”</i> By <b>Jonathan Drew</b>, Managing Director, Resources and Energy Group, HSBC</p> <p><u>PANELISTS:</u> <b>Gregory Schneider-Maunoury</b>, Head of Sustainable Responsible Investments, Humanis Gestion d’Actifs <b>Christopher Knowles</b>, Head of Climate Change &amp; Environment Division, European Investment Bank <b>Atiur Rahman</b>, Professor, Department of Development Studies, University of Dhaka <b>Anthony Ruschpler</b>, Treasury Specialist, Funding Division, Treasury Department, ADB</p>
4:00-4:30 p.m.	Coffee Break	
4:30-6:00 p.m.	<b>PARALLEL SESSIONS</b>	
	<p><b>Green Finance in Action: The Experience of PRC</b> (Auditorium B) <u>CHAIR:</u> <b>David Boland</b>, Environmental Economist, East Asia Department, ADB</p> <p><u>PANELISTS:</u> <b>Shouqing Zhu</b>, Senior Associate, Sustainable Finance World Resources Institute <b>Cheng Feng</b>, China Industrial Bank <b>Lyu Shaoyang</b>, Vice General Manager of the China Energy Conservation and Environmental Protection Consulting Co., Ltd. <b>Chaoni Huang</b>, Head of Business Development – Asia, Trucost</p>	<p><b>Scaling up Investments in Green Businesses - What Can Be Done to Support Green SMEs?</b> (Auditorium C) <u>CHAIR:</u> <b>Armin Bauer</b>, Principal Economist, Thematic Cluster, Sustainable Development and Climate Change Department, ADB</p> <p><u>PRESENTATION ON:</u> <i>“Achieving Environmental Bottom-line and Micro, Small, and Medium-sized Enterprises’ Development in Asia: Maximizing Green Growth Synergies”</i></p> <p><u>PANELISTS:</u> <b>Zuaraina Zaharin</b>, CEO, Eco Loo <b>Risa Gama Siregar</b>, Co-CEO, Rubysh Jewelry <b>Paolo Limcaoco</b>, Investment Associate, Southeast Asia, LGT Impact Ventures <b>Alka Upadhyay</b>, Assistant Vice President, Tata Sustainability Group <b>Maricen S. Jalandoni</b>, General Manager Base Bahay Foundation, Inc.</p>
18:00-19:30	Cocktail Reception, ADB Courtyard	



## Forum Schedule - Day 3: Thursday, 24 November 2016

8:00–8:30 a.m.	Registration: Auditorium Hall A–C	
8:30–9:15 a.m.	<b>SPECIAL SESSION: Youth and Green Business - led by ADB-NGOC</b> (Auditorium A–B) <b>CHAIR: Amy Leung</b> , Deputy Director General concurrently Chief Thematic Officer, Thematic Advisory Service Cluster, Sustainable Development and Climate Change Department, ADB	
9:15–10:45 a.m.	PARALLEL SESSIONS	
	<b>Track 3A</b> (Auditorium A-B) <b>Sustainable Farming, Soft Commodities, Agro-Processing, and Food Industry</b> <b>CHAIR:</b> <b>Michiko Katagami</b> , Principal Natural Resources and Agriculture Specialist, Agriculture, Rural Development and Food Security Unit, Asian Development Bank  <b>Introduction: Marc Buckley</b> , Co-founder and CEO, ANJA GmbH & Co. KG  <b>PANELISTS:</b> <b>Dewi Bramono</b> , Deputy Director for Sustainability and Stakeholder Engagement, Asia Pulp and Paper <b>Pacita Juan</b> , Owner, ECHOstore <b>David Conn</b> , Papua New Guinea Chamber of Commerce and Industry	<b>Track 3B</b> (Auditorium C) <b>Greening Industry: Improving Resource Use, Reducing Waste</b> <b>CHAIR:</b> <b>Matthias Gelber</b> , Co-founder, Maleki GmbH  <b>PANELISTS:</b> <b>Tatiana Gallego-Lizon</b> , Director, Urban and Water Division, Southeast Asia Department, ADB <b>Puan Sri Maimon Arif Patail</b> , Director, Malaysian Mosaic Sdn. Bhd. <b>Pavel Cech</b> , Managing Director, ResourceCo Asia <b>Tamal Sarkar</b> , Director, Foundation for MSME Clusters– India <b>Anthony Halog</b> , Faculty Member, Industrial Environmental Management, University of Queensland
10:45–11:00 a.m.	Coffee Break	
11:00–12:30 p.m.	PARALLEL SESSIONS	
	<b>Track 3C: Greening the Service Sectors</b> (Auditorium A-B) <b>CHAIR: Victor Lee You</b> , Principal Knowledge Sharing and Services Specialist, ADB  <b>PANELISTS:</b> <b>Dilshan David</b> , Executive (Sustainability & Environmental Management), Heritage Kandalama – Sri Lanka <b>Matthew Rajendra</b> , Founder and CEO, Green Data Center LLP <b>Lote Lima</b> , ICT Training Coordinator, Samoa Chamber of Commerce and Industry <b>Margarita Fores</b> , President, Cibo Inc. <b>Roderick Ruhl</b> , Chief Technology Officer, Geo Data Intelligence Ltd.	<b>Track 3D: Innovation and Green Business</b> (Auditorium C) <b>CHAIR: Daniele Ponzi</b> , Technical Advisor (Environment) and Chair, Environment Thematic Group Committee, ADB <b>PANELISTS:</b> <b>Carlo Figa Talamanca</b> , Manager, Sustainable Green Fuel Enterprise – Cambodia <b>Katerina Kimmorley</b> , Co-founder, Pollinate Energy-India; Senior Associate for Business Development, Clean Energy Finance Corporation – Australia <b>David Sundahl</b> , Senior Research Fellow, Clayton Christensen Institute for Disruptive Innovation <b>Phat Nguyen</b> , Project Manager, Inclusive Business Accelerator, Viet Nam <b>Patrick Chan</b> , Chief Executive Officer, GAC Ventures; Managing Director, VisionEdge Technologies <b>Simon Baptist</b> , Chief Economist and Managing Director, EIU
12:30–1:00 p.m.	<b>SUMMARY AND CLOSING REMARKS</b> (Auditorium A–C) <b>Diwakar Gupta</b> , Vice-President for Private Sector and Cofinancing Operations, ADB	
1:00–2:30 p.m.	Lunch	



## *Post-Forum Special Session*

<p>2:30-4:00 p.m.</p>	<p><b>Investment Opportunities for Nature-Based Tourisms in the Coral Triangle</b> <b>Jointly led by ADB and WWF Coral Triangle Program</b> (Auditorium A-B)</p> <p><u>CHAIR:</u> <b>Lida Pet-Soede</b>, Leader of the WWF Coral Triangle Global Initiative, WWF</p> <p><u>PANELISTS:</u> <b>Jose Felipe Dias Quintas</b> National Director, Tourism Marketing and International Relations, Timor-Leste</p> <p><b>Alcinda Trawen</b> Director, Policy and Planning, PNG Tourism Promotion Authority, Papua New Guinea</p> <p><b>Gregory Auta'a</b> Principal Tourism Officer, the Government of the Solomon Islands</p>
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## OPENING PLENARY: *Securing the Future of Green Business in Asia-Pacific*

The year 2016 is ending on a good note for the global sustainable development agenda, particularly those Sustainable Development Goals that support environmental sustainability. This comes amidst the backdrop of adequate recognition of green finance in the G20's agenda and the recent entry into force of the Paris Climate Agreement.

However, successful implementation of the SDGs and the Paris Climate Agreement will face several challenges. Amongst these challenges, foremost is the huge financing gap for investments required to achieve environmental sustainability. Estimates of annual investment requirements for oceans, forestry, land and agriculture, and biodiversity sectors amount to \$300 billion to \$1 trillion globally.<sup>1</sup> Available information shows that only a small portion of this requirement is currently provided by public sector funds and development assistance. For example, only 13–17% of the total global annual funding requirements for forest conservation and restoration are currently met.<sup>2</sup> To fill this gap we need a much greater flow of investments from the private sector and here lies the crucial role of green business. It is clear therefore that success in meeting the transformative new global development imperatives will require the mobilization of huge private sector resources in investment areas such as natural resources management, ecosystem services, biodiversity, and pollution prevention and control. Extending private sector participation beyond corporate social responsibility is therefore a vital step for ensuring sufficient investments in these underserved areas.

The opening plenary will reflect on the role of green business development in Asia and the Pacific region. While there is no universally defined concept of what constitutes green business, we refer to green business as profit-oriented activities that support environmentally sustainable growth (ESG). In this context, speakers will discuss how to accelerate the process of bringing private sector to the front and center of action, with the support of the public sector, and help secure an environmentally sustainable future for the region through the promotion of green business.

The session will open with an overview of the rationale for stronger private-public collaboration and green business development. Preliminary findings of a new draft report, currently being prepared in collaboration with the Economist Intelligence Unit, will be presented with some details on the current status and trends of green businesses in the region.

This will be followed by a high-level roundtable discussion, where thought leaders will share their authoritative perspectives on the imperative and opportunity for green business development. In particular, they will discuss what the latest global development commitments mean for the private sector, how these can translate to green business opportunities, and the role of green business as an additional engine of growth. Panelists will also discuss the role of their organizations in taking forward the green business agenda and the research, policy and governance gaps (and overlaps), and what types of cooperation with development partners such as ADB, governments, academe and private sector will be needed to promote green businesses.

### MODERATOR:

**Sharanjit Leyl**, Producer and Presenter, BBC News

### PANELISTS:

**Takehiko Nakao**, President, ADB

**Anwar Hossain**, Minister, Ministry of Environment and Forestry, Bangladesh

**Regina Lopez**, Secretary, Department of Environment and Natural Resources, Philippines

**Erik Solheim**, Executive Director, United Nations Environment Programme

**Madhu Khanna**, Professor in Environmental Economics, University of Illinois, Urbana-Champaign

**Daniel Spitzer**, Chairman and CEO, Mountain Hazelnuts Group

<sup>1</sup> UN System Task Team (TT) Working Group on Sustainable Development Financing.  
<sup>2</sup> World Resources Institute, 2014.

# SESSION INFORMATION

## Plenary 1:

### Creating Enabling Policy and Regulatory Frameworks for Green Business

Market failures prevent development of business for environmental goods and services. Creating markets for these goods and services, through innovative policy and regulatory measures, is vital for green business development. This plenary will discuss the role of enabling policy and regulatory frameworks in promoting green business.

The potential for private sector participation in areas of environmental protection, pollution control, and natural resource management is largely dependent on the incentives, policies, and regulatory frameworks that are in place (or lacking). Perceived regulatory pressure, market pressures to go green, and greening as a business strategy may persuade private companies to adopt environmentally-friendly approaches mainly through corporate social responsibility (CSR). In some cases, private companies may act through self-regulation. CSR and self-regulation, however, are at the lower end of green business spectrum. However, greening the corporate sector of the economy will have a significant impact on the environment.

Mitigation and conservation banking, renewable energy industries, pollution control equipment industries, green product/service certification and labelling providers, and emerging markets for environmental services exemplify other major segments of the green business spectrum. For the profit-driven private sector to dedicate its time, skills, and resources to these types of businesses, there needs to be a clear business case with profit – perhaps incentivized by appropriate and innovative regulations. Crafting sound policies – or revisiting existing regulatory issues – is crucial to establishing a profitable environment in these high-potential areas.

Plenary 1 will discuss key regional and country perspectives on policy measures and innovative approaches that require prioritization for green business development globally and in the region. Panelists will offer their views, broadly covering notable domestic strategies and provisions that support uptake of green business models (i.e. economic instruments, certifications/labels and voluntary approaches, multi-stakeholders' partnerships, trade associations, green jobs laws). This session will also share lessons in other countries and sectors, identify the initiatives that have been successful in drawing parallels between these approaches, and discuss needed reforms to support standard regulations in the region.

This session will also explore how market-based instruments can lead to market and green business creations. It will discuss examples as to how flexible market-based approaches such as environmental taxes and tradable permits have resulted in technological innovations and green businesses. This will also provide a perspective on how environmental tax revenues, as a result of nature-based tourism expansion, can be a self-sustaining means of protected area management. There will be some discussion on environmental taxes and double-dividends hypothesis.

Introduction: By **Herath Gunatilake**, Director, Environment and Safeguards Division, ADB

PRESENTATION ON: Policies for Green Business Complementaries and Synergies by **Lucy Hurst**, Director, EIU

#### **Panel on “Getting the Policies Right: Prioritization Options”**

MODERATOR:

**Sharanjit Leyl**, Producer and Presenter, BBC News

PANELISTS:

**F. Umiich Sengebau**, Minister, Ministry of Natural Resources, Environment and Tourism, Republic of Palau

**Karlo Alexei Nograles**, Representative, First District, Davao City, Philippines

**Oyun Sanjaasuren**, Chair, Global Water Partnership

**Mark Laska**, Founder and President, Great Ecology; Managing Partner, Tellurium Partners

**Sonomi Tanaka**, Technical Advisor (Gender), ADB

**Herath Gunatilake**, Director, Environment and Safeguards Division, ADB



## Plenary 2: Mobilizing Private Sector Finance

An estimated average annual investment of \$5.7 trillion from 2013 and 2020 is required to meet investment needs for natural resources, sustainable infrastructure, and climate change mitigation, according to the 2013 World Economic Forum Green Investment Report. Although the Addis Ababa Action Agenda is reassuring, the challenge of bridging financing and investment gap is so immense that public funds alone are not sufficient. It is evident that more private capital is needed to fund and scale businesses in green market segments, such as green micro, small, and medium-sized enterprises, natural capital and pollution control, and other underserved environmental sectors.

However, mobilizing the private sector for green finance still faces many challenges, some of which are largely unique to green projects. These often include difficulties in internalizing environmental externalities, information asymmetry, inadequate analytical capacity, and lack of clarity in defining what is “green.”

Plenary 2 will examine the private sector financing opportunities and challenges in the context of green business development in the region. Particular attention will be given to discuss the shift from donor-driven to private sector-driven approaches in green investments. Speakers will discuss available and new innovative financing instruments supporting green business and will look at how they can accelerate and scale up innovation activities. Speakers will also discuss the crucial role of the public sector in generating blended finance (e.g. de-risking and risk sharing) and thus helping to more effectively leverage private funds for green business uptake.

Power Talk by **Paul Tregidgo**, Managing Director of Credit Suisse in the Global Markets Division, and Vice Chairman – Debt Capital Markets, New York, with **Sharanjit Leyl**, Producer and Presenter, BBC News

### ***Panel on “Upscaling Green Business in Asia-Pacific through Private Sector Finance”***

MODERATOR:

**Michael Barrow**, Director General, Private Sector Department, ADB

PANELISTS:

**Atiur Rahman**, Professor, Department of Development Studies, University of Dhaka

**Christopher Knowles**, Head of Climate Change & Environment Division, European Investment Bank

**Assaad Razzouk**, Group CEO, Sindicatum Sustainable Resources

**Mahua Acharya**, Assistant Director-General and Head of Investment and Policy Solutions  
Global Green Growth Institute

**Dipal Chandra Barua**, Founder, Bright Green Energy Foundation

**Arun Agrawal**, Group President, International Banking & MNC Corporate Banking, YES BANK

# SESSION INFORMATION

## Plenary 3: Green Technology and Business Innovation

Achieving the goals of the ambitious 2030 Sustainable Development Agenda requires a major shift towards sustainable management of the environmental resource base and sustainable patterns of consumption and production. Technology and innovation are essential drivers and enablers in these processes. However, the markets for green technology remain generally slow relative to the pace at which innovation takes place in some more dynamic sectors, such as information and communication technology.

Speakers will discuss how innovation, as a sustainability driver, influences corporate business operations, and how it pushes corporations' creative boundaries for products, processes and the valuation of natural capital within the group. Speakers will also give their perspectives on the main constraints and opportunities for rapid generation, diffusion, transfer and deployment of technologies in green business segments to support green growth. They will also identify targeted public sector interventions across green technology development in order to overcome specific technical, financial and market barriers. The session will cover a range of sectors including technology startups to large-scale industries. The aim is to learn from leading edge practitioners and the audience on the best way forward to minimize the impact of pollution and waste from further growth in the region.

### ***Panel on “Technology and Innovation for Green Business: From Niche to Mainstream”***

#### MODERATOR:

**Akmal Siddiq**, Director, Environment, Natural Resources and Agriculture Division, ADB

#### PANELISTS:

**Alka Upadhyay**, Assistant Vice President, Tata Sustainability Group

**Chris Tilaka-Sri Dharmakirti**, Executive Director, Strategic Enterprise Management Agency, Sri Lanka

**Priyantha Wijayatunga**, Principal Energy Specialist, Energy Sector Group, SDCC, ADB

**Matthew Rajendra**, Founder and CEO, Green Data Center LLP

**David Sundahl**, Senior Research Fellow, Emerging Research  
Clayton Christensen Institute for Disruptive Innovation

**Anthony Halog**, Faculty Member, Industrial Environmental Management, University of Queensland



## Track 1A: Mitigation Banking

Environmental management in most developing countries is characterized by weakly enforced environmental regulations -- typically, command-and-control (CACs) approaches -- to pursuing chosen objectives. However, exclusive or overwhelming reliance on command-and-control could result in rigidity and a high compliance cost as the regulated community cannot make use of technological and management opportunities to achieve compliance more flexibly at a lower cost. The early experience of applying alternative or complementary approaches to environmental regulation elsewhere deserves to be carefully assessed in order to draw policy- and practice- related lessons and assess their applicability to individual or suitably grouped countries. Mitigation and conservation banking and other credit offsets are examples which demonstrate how innovative regulatory approaches create markets for environmental goods and services.

This session will focus on ecosystem services approaches, highlighting case examples of ecological offsets, watershed protection programs, and the Next Generation Compliance drawing from developed country experience. Panelists will focus on the application of offsets trading in wetlands and streams to demonstrate a successful green business. The session will explore the regional or local context for rolling out compensatory mitigation schemes particularly wetland banking and other emerging credit types in the ecosystem marketplace in Asia. Panelists will also examine how economic incentives for watershed management can accelerate water quality improvements, and support private landowners and place communities to the front and center of action. Track 1A discusses the critical tools necessary to develop mitigation and conservation banking and its applicability in the region.

### CHAIR:

**Herath Gunatilake, Director**

Environment and Safeguards Division, ADB

### PANELISTS:

**Douglas Pabst**, Division Chief, Drinking Water and Municipal Infrastructure Branch  
US Environmental Protection Agency

**Mark Laska**, Founder and President, Great Ecology; Managing Director, Tellurium Partners

**Ritesh Kumar**, Conservation Program Manager, Wetlands International–South Asia

**Ary Sudijanto**, Director for Environmental Impact Prevention of Business and Activity, Directorate General for Forestry and Environmental Planning, Ministry of Environment and Forestry –Indonesia

**Eang Sopheleth**, Under Secretary of State, Ministry of Environment, Cambodia

**Lucy Hurst**, Director, EIU

**Matthias Gelber**, Co-founder, Maleki GmbH



# SESSION INFORMATION

## Track 2A: Business Opportunities in Natural Capital

Natural capital, or the stock of natural resources and ecosystems within the countries of Asia and the Pacific, is a critical, but often overlooked element of the region's economies. Studies show that natural capital contributes as much as a quarter of the wealth generated, although direct cash flows to the economy are a smaller proportion. Forests, fisheries, protected areas, water resources, agricultural lands, and minerals are key sources of wealth. Currently, this wealth is under extreme threat from habitat loss and unsustainable management, threatening economic progress in the region, limiting income opportunities for the poor, and curtailing opportunities for green business.

Restoring degraded natural capital and protecting and managing it to ensure critical ecosystem services is vital for environmentally sustainable growth. Moving to a more sustainable model of natural capital management will require improved planning and a serious injection of financial resources. However, public sector and philanthropic funds are the main source of investment to conserve and manage natural capital resources, with private sector participation limited in most countries. This leaves a major investment deficit and misses opportunities for the private sector to generate business incomes while making sizeable conservation gains. So what is limiting conservation as a mainstream asset class? And how can the public sector enable the private sector to make natural capital a core business assets?

Track 2A will discuss current business trends in natural capital, including private investment opportunities and financial flows, emerging challenges, enabling conditions and innovative instruments to generate long-term returns and manage asset risks. Speakers will discuss how much natural capital contributes to the value of business in Asia and the Pacific, as well as business participation trends in the sector. Speakers will also discuss policy and regulatory priorities for natural capital investments, including conservation measures to protect natural assets.

### CHAIR:

**Bruce Dunn**, Principal Environment Specialist  
Environment and Safeguards Division, ADB

### PANELISTS:

**Paul Tregidgo**, Managing Director and Vice Chairman, Debt Capital Markets, Credit Suisse  
**Daniel Spitzer**, Chairman & CEO, Mountain Hazelnuts Group  
**Chaoni Huang**, Head of Business Development – Asia, Trucost  
**Yasushi Hibi**, Vice President, Asia Policy, Conservation International  
**Agus Purnomo**, Managing Director for Sustainability and Strategic Stakeholder Engagement  
Golden Agri-Resources Ltd.



## Track 1B

### Certification and Labels

Inability to distinguish green products, services, and processes from others result in market failures and labeling prevent such market failures. Recognizing the links between consumption patterns and agricultural and other natural resource management uses, new voluntary initiatives have been designed to support governments and the private sector to develop green supply chains. These may include promoting internationally recognized certification schemes for responsible forestry and fisheries sectors.

This session will explore demand for eco-certification and labels in sustainable manufacturing, sustainable agriculture and fisheries. Other voluntary approaches such as industry codes of conduct, statements of policy and principle and best practice guidance will also be explored. Panelists will provide perspectives on how standardization, certification and labelling are used as a set of incentive-driven policy tools to effectively promote green products, services, and processes. Viewed from another perspective, providing a steady stream of certification and eco-labels exemplifies green business in itself. In this context, panel members may address related issues on product certification costs and standards harmonization.

#### CHAIR:

**Daniele Ponzi**, Technical Advisor (Environment), and Chair, Environment Thematic Group Committee, ADB

#### PANELISTS:

**June Ng Thompson**, Communications Manager, Forest Stewardship Council – Asia

**Geoffrey Muldoon**, Senior Manager, Business and Industry, WWF

**Md. Fazlul Hoque**, Managing Director, Plummy Fashion Limited–Bangladesh

**Madhu Khanna**, Professor, University of Illinois-Urbana Champaign

**Sherin Lin**, Vice President, Academy & Life Care Greater China, TÜV Rheinland (Guangdong) Ltd.

# SESSION INFORMATION

## Track 2B

### Green Bonds: Catalyzing Debt Financing

Green bonds are debt-financing instruments aiming to connect private sector funding with projects with positive environmental benefits. The green bond market has seen significant growth in recent years. Sales of green bonds are expected to reach at least \$50 billion in 2016, up from \$41 billion in 2015, according to a February 2016 report from Moody's Investors Service.

Green bonds are currently mainly confined to mainstream sectors such as transport and energy projects. The potential for scaling-up the green bond market is significant, especially in under-served sectors such as the waste, agriculture and forestry sectors. These rely upon addressing market, valuation methodology and reporting, and institutional challenges constraining its development.

One of the key challenges standing in the way of green finance is maturity mismatch for green lending. Many green projects, such as water and waste treatment, clean energy, clean transportation, and some energy efficient buildings, are long-term in nature and tend to have high up-front capital costs and frequently inflation-linked income streams. By virtue of the issuance of long-term green bonds, they provide a viable option to mitigate the constraint of such maturity mismatch.

Track 2B will first discuss the opportunities of green bond markets in the region, with the PRC leapfrogging the world and Bangladesh and Indonesia following the footsteps of Japan, the Republic of Korea and India, as well as how recent international discussions at the UN and G20 are shaping the green bonds market. Areas to explore include how green bonds can be scaled up in waste and pollution control, biodiversity, agriculture and forestry, building and industry, and water sectors. Other areas to explore include addressing challenges due to lack of awareness of benefits and international practices; lack of local green bond guidelines; cost of green bond issuance and compliance requirements; lack of green bond ratings, indices and listings; difficulties for international investors to access local markets; lack of domestic green investors, amongst others.

#### CHAIR:

**Noel Peters**, Senior Safeguards Specialist, Private Sector Operations Department, ADB

#### PRESENTATION ON:

*"Growing the Green Bond Market to Finance Green Business: Where are We, Where Next?"*

By **Jonathan Drew**, Managing Director, Resources and Energy Group, HSBC

#### PANELISTS:

**Gregory Schneider-Maunoury**, Head of Sustainable Responsible Investments  
Humanis Gestion d'Actifs

**Christopher Knowles**, Head of Climate Change & Environment Division, European Investment Bank

**Atiur Rahman**, Professor, Department of Development Studies, University of Dhaka

**Anthony Ruschpler**, Treasury Specialist, Funding Division, Treasury Department, ADB



## Special Session

# Green Finance in Action: The Experience of the People's Republic of China

Rapid economic development in the People's Republic of China (PRC) in recent decades has come at significant cost to the environment, through dwindling natural resources, extensive pollution, and ecosystem degradation. Increasingly, attention is turning to green finance, which has developed rapidly over the last few years in the PRC and through international forums such as the G20 under the PRC's presidency in 2016.

In September 2016, leaders of the G20 met in Hangzhou and released a communiqué that highlighted green finance as an effective means to support global sustainable growth. They also released a Green Finance Synthesis Report, which contained a range of policy options and recommendations for governments to enhance the ability of the financial sector to mobilize private capital for green investment.

In the lead up to and in parallel with the G20 process, the PRC initiated a series of green finance reforms, with input from international partners including United Nations Environment Programme, International Institute for Sustainable Development, and China Council for International Cooperation, that culminated in the release of PRC's Guidelines for Establishing the Green Financial System. Released a few days before the G20 Summit, it lays out a detailed road map on which PRC will improve its financial system. These guidelines represent the world's first attempt at an integrated financial sector policy package to promote a shift towards a green economy.

PRC's new guidelines call for government ministries and financial institutions to collaborate on the development of a wide range of financial instruments to move money from high-polluting to low-polluting sectors. These include green credits, green bonds, green insurance, green equity indices, green development funds, and carbon finance.

This session will hear from experts directly involved in the development of green finance initiatives in the PRC, about the emerging channels by which sustainable development in PRC will be financed, the regulatory and policy regimes that will enable such financing, and the lessons and opportunities that are emerging.

**CHAIR:** **David Boland**, Environmental Economist, East Asia Department, ADB

**PANELISTS:**

**Shouqing Zhu**, Senior Associate, Sustainable Finance World Resources Institute

**Cheng Feng**, China Industrial Bank

**Lyu Shaoyang**, Vice General Manager, China Energy Conservation and Environmental Protection Consulting Co., Ltd.

**Chaoni Huang**, Head of Business Development – Asia, Trucost

# SESSION INFORMATION

## Special Session

### Green Growth Opportunities for Micro, Small and Medium Enterprises

Many of today's green businesses are start-up companies or small-scale business models of larger companies. Their main challenge is scaling the business model to increase the company's financial return and to widen the impact on and benefits for the environment and people, especially the low income and poor. However, green businesses, in their efforts to scale up, face challenges such as translating innovative techniques into commercially viable and bankable business propositions, finding appropriate finance, approaching educated customers interested in green products, and high production costs due to lack of business innovations and economies of scale.

A panel of investors and green business experts will discuss the experiences and challenges of small and medium enterprises (SMEs) as well as larger companies offering green solutions to environmental and social problems. It will bring out recommendations for financing, technical assistance, government support, and partnerships for more effective market solutions for greening the economy. The panel will also interact with the audience to exchange views and suggestions on what development banks like ADB can do to promote small and medium green business.

**CHAIR: Armin Bauer**, Principal Economist, Thematic Cluster, Sustainable Development and Climate Change Department, ADB

#### PRESENTATION ON:

*“Achieving Environmental Bottom-line and Micro, Small, and Medium-sized Enterprises’ Development in Asia:*

*Maximizing Green Growth Synergies”*

#### PANELISTS:

**Zuaraina Zaharin**, CEO, Eco Loo

**Risa Gama Siregar**, Co-CEO, Rubysh Jewelry

**Paolo Limcaoco**, Investment Associate, Southeast Asia, LGT Impact Ventures

**Alka Upadhyay**, Assistant Vice President, Tata Sustainability Group

**Maricen S. Jalandoni**, General Manager, Base Bahay Foundation, Inc.





## Special Plenary: Youth and Green Business

Asia and the Pacific is home to more than 700 million youth (aged 15-24) (UN ESCAP, 2013) making it the largest generation of young population in the history of the region and the world. But even with such potential, the region also has largest population of poor. According to ADB's Key Indicators for Asia and the Pacific 2016, 330 million people still live on less than \$1.90 a day in Asia and the Pacific. Hence economic development is the primary agenda for most countries across Asia and the Pacific. Changing the mindset of young generation and orienting them towards environmentally sustainable development will have long term benefits for the region.

ADB's NGO and Civil Society Center (NGOC) launched Youth for Asia (Y4A) in early 2013. Y4A aims to empower Asia's youth as development partners by mainstreaming their participation in ADB operations. To this end, Y4A has organized and executed a four-day parallel event alongside the Green Business Forum where 30 youth participants from diverse backgrounds (young professionals, students, CSO/NGO representatives, youth leaders and volunteers) will convene. The youth participants will discuss challenges and share perspectives to identify tangible youth-led and youth-focused initiatives for green business development across the region. These ideas will be structured in the form of road map, which aims to work as an operational document for decision makers to increase active youth participation in green business development in Asia and the Pacific.

The last day of the Green Business Forum will kick off with an inspiring Special Plenary on Youth and Green Business, where the Youth Road Map will be presented by the youth participants. The objective of this session is to communicate the importance of youth involvement in the solution-making process and to showcase various youth-led green social enterprises which currently deliver green business solutions across Asia and the Pacific.

### CHAIR:

**Amy Leung**, Deputy Director General concurrently Chief Thematic Officer, Thematic Advisory Service Cluster, Sustainable Development and Climate Change Department, ADB

# SESSION INFORMATION

## Track 3A: Sustainable Farming, Soft Commodities, Agro-processing, and Food Industry

A 60% increase for food demand is expected by 2050, with the main growth markets being in Asia. At the same time, environmental degradation and resource scarcity, exacerbated by the impacts of climate change, are affecting food production. Degradation of the resource base and heavy reliance of chemical inputs and resultant soil and water pollution, together with handling and storage, provide major challenges for the industry. As a whole, the agricultural sector faces immense innovation needs to transform it to sustainable agriculture while addressing food security.

Track 3A will discuss a holistic cradle to grave vision for the industry based on greening agriculture, food manufacturing, and distribution. Speakers will look at soft commodities through a regional case study on how to work effectively with smallholders and local communities to prevent negative environmental impacts such as forest fires. An environmentally based food and consumer product business will give realistic updates on consumer demand and what is possible in greening the agricultural supply chain. Representation from the private sector will provide input from smaller markets.

### CHAIR:

**Michiko Katagami**, Principal Natural Resources and Agriculture Specialist, Agriculture, Rural Development and Food Security Unit, Asian Development Bank

Introduction: **Marc Buckley**, Co-founder and CEO, ANJA GmbH & Co. KG

### PANELISTS:

**Dewi Bramono**, Deputy Director for Sustainability and Stakeholder Engagement, Asia Pulp and Paper

**Pacita Juan**, Owner, ECHOstore

**David Conn**, Papua New Guinea Chamber of Commerce and Industry



## Track 3B: Greening Industry: Improving Resource Use, Reducing Waste

The adverse impacts of waste are growing fast. Uncollected and inadequately treated waste contributes to air, water, and soil pollution, flooding and public health impacts. At the same time, this implies a forgone opportunity of recoverable resources lost. Waste has thus become one of the major global concerns of today as the growing volumes of waste are not matched with equal recovery and treatment capacity, especially in developing countries. According to a 2012 World Bank report, in the Asia-Pacific region, about 25-35% of municipal solid waste still remain uncollected.

Waste volumes in Asia and the Pacific are expected to double in the next decade. This is a result of high growth rates in population, urbanization and consumption that are much higher than in the industrialized nations. The region and has the highest growth rate in waste generation per capita.

Waste management remains one of the most underserved areas of infrastructure in Asia but due to its cross-cutting effects on soil, water and air demands urgent action to ensure environmental sustainability and to improve the quality of life in DMCs. Waste management has strong linkages to a range of other global challenges: health, climate change, poverty reduction, food and resource security, sustainable production and consumption.

Track 3B will examine how a range of industries address resource use and efficiency, including identifying use of new and innovative materials and business scope expansion. These will be discussed in the context of application of the triple bottom line, “Reduce, Reuse, and Recycle”, circular economy, cradle-to-cradle principles, using a broad range or specific technologies, and innovation strategies in their internal operations. This session will showcase some successful examples of market acceleration approaches to advance green technology and waste-related businesses.

### CHAIR:

**Matthias Gelber**, Co-founder, Maleki GmbH

### PANELISTS:

**Tatiana Gallego-Lizon**, Director, Urban and Water Division, Southeast Asia Department, ADB

**Puan Sri Maimon Arif Patail**, Director, Malaysian Mosaic Sdn. Bhd.

**Pavel Cech**, Managing Director, ResourceCo Asia

**Tamal Sarkar**, Director, Foundation for MSME Clusters– India

**Anthony Halog**, Faculty Member, Industrial Environmental Management, University of Queensland

# SESSION INFORMATION

## Track 3C: Greening the Service Sectors

Services sectors contribute significantly to the region's economic growth and have the potential to be one of the main drivers of growth for the future. By adopting and encouraging the development of innovative solutions, businesses in the service sector can make significant contributions to resource efficiency and pollution management. For instance, tourism is a low-hanging fruit in terms of achieving high value impact due to its close connections to several sectors (i.e. transport and energy, waste) and actors (i.e. local communities). Even modest improvements in sustainability practices in this sector will generate important impacts in the shift towards more sustainable development.

Track 3C will examine how green innovations in the service sector are generating environmental and social benefits across Asia and the Pacific, including green jobs, reducing environmental impacts of various service industries, and improving natural resource management. Speakers will share case studies from across the region, highlighting necessary efforts to scale up innovations in the service sector more effectively.

### CHAIR:

**Victor Lee You**, Principal Knowledge Sharing and Services Specialist, ADB

### PRESENTERS:

**Dilshan David**, Executive (Sustainability & Environmental Management),  
Heritage Kandalama – Sri Lanka

**Matthew Rajendra**, Founder and CEO, Green Data Center LLP

**Lote Lima**, ICT Training Coordinator, Samoa Chamber of Commerce and Industry

**Margarita Fores**, President, Cibo Inc.

**Roderick Ruhl**, Chief Technology Officer, Geo Data Intelligence Ltd.



## Track 3D: Innovation and Green Business

The combination of innovation, sustainability, and profitability is powerful for green business. Whether it is innovation motivated by sustainability goals and targets or sustainability motivated by innovation, the result is the achievement of financial gain for green businesses and benefits for the people and the environment.

According to the Innovation for Sustainability Guide by Harvard Business School, innovation can happen at different levels. Innovation should move beyond operational optimization to organizational transformation – the creation of disruptive new products and services by viewing sustainability as a market opportunity. In the end, innovation can happen at a systemic level, such as when disparate organizations cooperate to create a “circular economy” in which one firm’s waste is another’s resources. New opportunities for green business can be developed by leveraging these innovations.

The session will start with a brief introduction of key innovation frameworks, such as disruptive innovation. Speakers will highlight the challenges and opportunities of green business innovation in the region. It will discuss (a) how an innovation framework like disruptive innovation can help in accelerating innovation and green technology adoption/transfer in slow-moving and pollution-intensive industries; (b) the main barriers that prevent niche innovations from becoming mainstream; and (c) key success factors and framework conditions to turn innovations into disruptive businesses, as applicable.

**CHAIR: Daniele Ponzi**, Technical Advisor (Environment) and Chair  
Environment Thematic Group Committee, ADB

### PANELISTS:

**Carlo Figa Talamanca**, Chief Executive Officer, Sustainable Green Fuel Enterprise – Cambodia  
**Katerina Kimmorley**, Co-founder, Pollinate Energy-India; Senior Associate for Business Development, Clean Energy Finance Corporation – Australia  
**David Sundahl**, Senior Research Fellow, Clayton Christensen Institute for Disruptive Innovation  
**Phat Nguyen**, Project Manager, Inclusive Business Accelerator, Viet Nam  
**Patrick Chan**, Chief Executive Officer, GAC Ventures; Managing Director, VisionEdge Technologies  
**Simon Baptist**, Chief Economist and Managing Director, EIU

## Closing Plenary: Going Beyond CSR

As the Green Business Forum draws to a close, the audience will have a chance to revisit themes and trends discussed over the three days, including opportunities and addressing challenges and constraints to green business development in Asia and the Pacific. In particular, the discussion will cover green business possibilities beyond CSR as part of growing global efforts to an environmentally sustainable growth.

### **SUMMARY AND CLOSING REMARKS:**

**Diwakar Gupta**, Vice-President for Private Sector and Cofinancing Operations, ADB



# SESSION INFORMATION

## Green Business and Technology Showcase

The Green Business Forum brings together experts, business practitioners, and key stakeholders to share knowledge and identify avenues for promoting green business solutions in the region. As such, the event presents opportunities to learn about existing and emerging green business initiatives, make connections, and identify new avenues for collaboration.

## The Green Business Marketplace

The Green Business Marketplace is a venue for interaction and knowledge sharing among green enterprises, technology developers, representatives of financial institutions, and interested observers. The speed networking format enables participants to interact with featured organizations, who will present their green innovations and businesses. Participants will have the chance to connect with multiple organizations by rotating every 15 minutes.

The Green Business Marketplace is open to all.

## GreenTech Connect: Innovation Demos

GreenTech Connect is a showcase of technology innovations with environmental benefits. Sixteen organizations from across Asia and the Pacific and beyond have been selected to showcase technologies and other innovations that address environmental issues, including pollution control, waste minimization, and resource efficiency, among others. Three of these organizations were selected through the Green Business Solutions Search, an ADB Youth for Asia call for youth-run green enterprises. The ongoing exhibit will give participants the opportunity to interact with green entrepreneurs about their innovations and learn more about up-and-coming technologies and methods to manage the environment.

GreenTech Connect: Innovation Demos: Wednesday, 23 November 2016  
12:45 to 14:30 pm, Executive Dining Room

To supplement the ongoing GreenTech Connect exhibit, selected companies will be featured over lunch to demonstrate their green innovations. New technologies, concepts, and ideas will be shared with the audience in an interactive way, facilitating exchange and possible collaborations to bring green businesses in the region to wider audiences.

# SPEAKERS



**Mahua Acharya**, Assistant Director-General and Head of Investment and Policy Solutions, Global Green Growth Institute  
In her current capacity, Acharya drives GGGI's Green Investment Advisory Services to support GGGI member countries develop and seek financing for green investment projects, conceptualize knowledge products that build a strong theoretical and empirical base for green growth, build capacity for green growth implementation, and facilitate South-South cooperation. Prior to joining GGGI, Acharya was Managing Director at C-Quest Capital LLC, a carbon finance business specializing in carbon credits to bring investment capital to social welfare projects in developing countries. Her team also oversaw the management of operations for C-Quest's projects in Nigeria, Zambia, and Malawi. Prior to her work at C-Quest, Acharya held numerous positions in the field of green investments and finance in both international organizations, such as the World Business Council for Sustainable Development and the World Bank, as well as in the private sector, such as at ArcelorMittal and Emergent Ventures India.



**Arun Agrawal**, Group President  
International Banking & MNC Corporate Banking, YES BANK  
Agrawal heads International Banking at YES BANK, developing business and managing relationship with global financial institutions including banks, multi/bilateral agencies, exchange houses, merchant banks and financial sponsors. Focus of the team is on building strategic relationships in important geographies across the globe, in close coordination with the various product/business/service groups. He also leads the Multinational Corporate Banking team with focus on developing YES BANK as a strong Host Country Bank for MNCs in India. He joined YES BANK in 2005 as the Country Head – Financial Institutions & International Banking, where he led the Financial Institutions Relationship Management function. Prior to joining YES BANK, he was heading ICRA Limited's (Indian subsidiary of global rating agency, Moody's Investor Service) Western Region operations, as General Manager and Regional Head.



**Puan Sri Maimon Arif Patail**, Director, Malaysian Mosaic Sdn. Bhd.  
Arif Patail is also a Council Member of the Federation of Malaysian Manufacturers (FMM) and within FMM, she is the Chairman of Malaysian Ceramic Industrial Group and the Chairman of the Energy Management Committee. Additionally, she is also a trustee of the National Heart Institute Foundation. Arif Patail is currently the Corporate Social Responsibility Director of Hap Seng Consolidated Berhad (HSCB), a diversified conglomerate with seven core businesses across plantations, property development and investment, credit financing, automotive, fertilizers trading, quarry and building materials as well as trading. Her current role enables her to translate her operational experience into effective, meaningful and business-led social impact. This has been demonstrated in the strategy and programs of HSC, including a focus on the integration of technology into bringing scalable impact to rural communities.



	<p><b>Gregory Auta'a</b>, Principal Tourism Officer, the Government of the Solomon Islands Auta'a is the Principal Tourism Officer for the Government of the Solomon Islands, overlooking projects and product development within the Ministry of Culture and Tourism for the whole of the country, with a special focus on pilot projects led by the ministry and the Eco-tourism project grant program. He commenced his work as public servant officer for the Government Ministry of Culture and Tourism in 2006 when he was appointed as tourism officer for the countries' central region which encompasses three provinces: Malaita, Guadalcanal and Central island province. Mr Auta'a' role at that time was providing information to local people on the best practices of sustainable eco-tourism project development. Prior to his position with government, he implemented a contract with UNDP where he worked providing Logistic Assistance for the Election Observer Coordination Team under UNEAD Team with the UNDP Sub-Office in Honiara, Solomon Islands.</p>
	<p><b>Simon Baptist</b>, Chief Economist and Managing Director, EIU Baptist is responsible for providing intellectual leadership for the EIU's coverage, for ensuring that our economic and political analysis and forecasts are the best available for international decision-makers, and for managing a global team of economists, consultants and editors. As Managing Director for the EIU's Asia consultancy arm, he works with governments to design and assess the impact of public policy, and with companies to drive successful strategy and operational performance in Asia. Baptist is an experienced economist who has previously spent time as a lecturer at Oxford University and as an economics consultant advising governments, multinational corporations and international organizations. He has a doctorate in economics from Oxford University, where his research investigated productivity and technology in emerging-market manufacturing firms. He also has degrees in economics and science from the University of Tasmania.</p>
	<p><b>Michael Barrow</b>, Director General Private Sector Department, ADB Barrow is also the co-chair of ADB's Water Community of Practice. Prior to joining ADB, he worked for the Deutsche Bank group over the course of 15 years in London, Tokyo and Singapore, lastly as both Director of Project Finance and Transportation with a project finance and PPP focus. Mr Barrow has had extensive experience in project financing, PPPs, privatization advisory, and corporate restructuring in Asia, Eastern Europe and the Middle East, and has covered most sectors including water, power, oil and gas, transportation, telecommunications and manufacturing.</p>
	<p><b>Dipal Chandra Barua</b>, Founder, Bright Green Energy Foundation Barua is the pioneer of solar energy in Bangladesh and played a role in the conceptualization resulting to the initiation of Grameen Bank project in later part of 1976. From then Barua started his creative work as a co-founder of Grameen Bank and dedicated himself 35 years for building Grameen Bank. As Co-Founder of Grameen Bank, he he was Deputy Managing Director until December 2009. He is also the main architect of the Grameen Shakti. Barua received 14 different national and international awards including Energy Globe Award (Austria) 2002, International Microfinance Awards from PlaNet Finance (Paris), 2009, Mowlana Abdul Hamid Khan Vashani award and the IDCOL Solar Prize in 2008. Barua was awarded the First Zayed Future Energy Prize 2009 from Abu Dhabi, UAE as the first winner of the Prize since its introduction by Abu Dhabi Government, UAE. Barua became Ambassador of the Global 100% RE Campaign – the first international initiative that advocates and inspires change for 100% renewable energy – in May 2014. In 2014, Barua was elected as the President of Bangladesh Solar and Renewable energy Association for the second time.</p>

# SPEAKERS



**Armin Bauer**, Principal Economist  
Thematic Cluster, Sustainable Development and Climate Change Department, ADB  
Bauer is Principal Economist in ADB's Sustainable Development Department, a think tank department on sector and cross cutting thematic issues, where he is heading the poverty and inclusive growth team. He also coordinates the Inclusive Business initiative of ADB, in cooperation with ADB's private sector investment department. Mr. Bauer works with ADB since 1995 in knowledge, strategy, and operations departments. He also managed various poverty funds in ADB. Mr. Bauer, a German national, has a Ph.D. in development economics, a M.A. in Political Economy, and a B.A. in Administrative Science. Prior to working at ADB, Dr. Bauer was with the German technical assistance agency (GIZ) in 1991-1995, the German development bank (KfW) in 2003-2006, and grassroots NGOs in India in the mid-end 1980s.



**David Boland**, Environmental Economist  
Environment, Natural Resources and Agriculture Division, ADB  
Boland is an environmental economist in ADB's East Asia Department, where he contributes to the ADB's efforts to support environmentally sustainable growth in the People's Republic of China and Mongolia. His work aims to ensure the economic and environmental sustainability of investments, including policy reforms that encourage sound environmental and institutional governance. He analyzes the financial and economic impacts of environmental externalities and increasing competition for resources, and has helped to develop tools for the business sector to incorporate natural capital issues in financial risk assessment.



**Dewi Bramono**, Deputy Director for Sustainability and Stakeholder Engagement  
Asia Pulp and Paper  
Bramono is the Deputy Director of Sustainability and Stakeholder Engagement of APP Indonesia. Bramono is responsible in driving and monitoring the implementation of standards and global best practices that improve the sustainability of APP's operations in Indonesia. She is a key contributor to the development of policies, guidelines and systems required to help the organization in achieving its sustainability goals throughout its operation and that of its suppliers. Bramono has BSc and MSc in engineering from Tufts University, United States, and an MBA degree from INSEAD, France and Singapore.



**Marc Buckley**, Co-founder and CEO, ANJA GmbH & Co. KG  
Buckley is a serial entrepreneur and has owned 12 companies and been involved as a partner in 6 International family businesses. He comes from 5 generations of German organic farmers and 3 generations of European Hydroponic gardeners. He is an International expert in the Agriculture, Food and Beverage Industry. Marc is an International Climate Speaker trained by Al Gore, TEDx speaker, Kinnernet Speaker, Green Brand Educator, and a Industry Innovation Expert. He has completed degrees at the following institutions; Bucerius Law School - LLM International Law and MLB, Business Administration, Computer Science and Economics, Heidelberg University, University of Utah, and University of Phoenix.



**Pavel Cech**, Managing Director, ResourceCo Asia  
After studies of Agricultural Mechanization and Business Administration in the Czech Republic, Cech started his carrier with Lafarge in 1995 in Supply Chain and in what then used to be called Resource Recovery, which evolved into industrial ecology and, which has become the main point of his future occupation.  
He has worked in the Czech Republic, Nigeria, Jordan, the Philippines, and Malaysia on various positions. Since 2009 had been developing and managing the Alternative Fuel and Raw Material businesses in Asia Pacific, initially with Lafarge and lately as a managing director of ResourceCo Asia. His strength is in the intimate knowledge of the cement as well as waste management industries, especially in Asia.





**Patrick Chan**, Chief Executive Officer, GAC Ventures  
Managing Director, VisionEdge Technologies  
Chan is also a co-founder of Cleantech Marketplace Forum and Green Trade Hub, an O2O platform for B2C and B2B eco-products plugging them into the East Asia Business Exchange. Chan is a practicing management consultant and a certified Green Productivity Consultant and Trainer by APO. He is an accredited trainer and serves on the advisory board of WIPO Green, and as ADB Senior Green Business Development Advisor (Consultant) for its Green Business Forum. He was formerly a Director at Singapore Business Federation and Singapore Sustainability Alliance, where he published the sustainability award winners' case studies handbook "Riding the Megatrend of Sustainability", and served as local cluster manager for International Cleantech Network. He had also done work for OECD in green job skills development. VT, a 2014 IAIR Awards Winner for Best Company for Sustainability (Cleantech) in Southeast Asia, assisted GGGI in its WtE feasibility study for Mongolian government and is currently helping ADB to roll out a low-carbon technology marketplace across Asia Pacific.



**David Conn**, Papua New Guinea Chamber of Commerce and Industry  
Conn has been a long-term resident of PNG since 1977, when he arrived as a volunteer teacher in Manus Province. After a career in teaching and running his own business for 15 years he became involved with the Port Moresby Chamber of Commerce and Industry in 1988. He has over 27 years' experience with the Chamber and now provides full-time management services to the POMCCI Bizcentre as CEO. He is currently the host of Business Plus, a regular business and current affairs programme, on the new TV station, TVWAN. Conn holds a Master's Degree from Glasgow University and training qualifications from RMIT in Melbourne, and is a founding member of the PNG Institute of Directors.



**Dilshan David**, Executive (Sustainability and Environmental Management)  
Heritage Kandalama – Sri Lanka  
David possess a Bachelor's Degree in Natural Sciences and currently reading for the master's degree in Environmental Management, has been awarded the Presidents Medal for the Environmental Pioneer program conducted by the Central Environmental Authority of Sri Lanka. Having served many years in the hospitality industry in Sri Lanka in the fields of eco-tourism, environmental management and sustainability he has gathered knowledge and experience on practical application of sustainability principles in to tourism activities. His services in tea sector, eye care, garments and education have added other areas of interests such as compliance management, quality management, food safety management, energy management and occupational health and safety management. He has done consultancies and training in all above areas in several organizations in Sri Lanka.



**Chris Tilakasri Dharmakirti**, Executive Director  
Strategic Enterprise Management Agency, Sri Lanka  
Dharmakirti serves on the Investment Committee of this green and impact investment space venture capital company, a regionally focused fund targeting investments in emerging economies in Asia, Middle East and Africa. From 2012 to 2016, he was Chairman of the National Ocean Affairs Committee (NOAC). It is a Cabinet-appointed committee with overall responsibility for steering the national policy and management of National Ocean Affairs, which includes both the living resources and the non-living resources, ports, fisheries harbors, seabed mining exploration, protected area management, coastal and ocean based tourism, ocean energy development, bilateral boundary negotiations and also the management of Sri Lanka's United Nations claim for the extended continental shelf area in the Bay of Bengal Basin, under the UNCLOS treaty provisions. He was also Chief Operating Officer/Board Member of the Strategic Enterprise Management Agency, President's Office, Government of Sri Lanka, from 2004 to 2005.

# SPEAKERS

	<p><b>Jonathan Drew</b>, Managing Director, Resources and Energy Group, HSBC Drew graduated with an MA in Economics from Cambridge University in England and is also qualified as a Chartered Accountant. He started his banking career more than 20 years ago in London and after working in rapidly emerging Latin America and on capital intensive transactions in the Middle East has been based in Hong Kong, China since 1997. During this time, he has been involved in successful transactions across a wide range of sectors including advising on and arranging finance for projects that produce and deliver energy (renewable and non-renewable) as well as a wide range of infrastructure projects in social and education sectors with a focus on resource efficiency and sustainability.</p>
	<p><b>Bruce Dunn</b>, Principal Environment Specialist, Environment and Safeguards, ADB Dunn's current responsibilities cover two main areas: (i) facilitation of ADB's collaboration with the Global Environment Facility, and (ii) environmental safeguards, including leading on biodiversity conservation issues. Since joining ADB in 2010, he has supported ADB in developing several new regional environment programs with GEF funding. He currently chairs ADB's Biodiversity and Ecosystems Group. He obtained his Bachelor of Science (Botany) with Honors from the University of Queensland in 2002, and a Bachelor in Environmental Science from Griffith University in 1999 in Australia.</p>
	<p><b>Cheng Feng</b>, Director, Environmental Finance Department of China's Industrial Bank Feng is responsible for the innovation, development and application of sustainable financing products and services, and project management and risk assessment. Since 2013, he has been devoted to environmental financing innovation in the field of water resources protection and utilization, sustainable financing products and services, and public-private partnerships in environmental protection and infrastructure construction.</p>
	<p><b>Margarita Fores</b>, President, Cibo Inc. Fores is known for fusing her Italian background with Filipino cooking and ingredients, and uses organic ingredients to help the farmers who produce these. She prepared the welcome dinner for the Asia-Pacific Economic Cooperation summit for APEC leaders, together with Glenda Barretto, founder of Via Mare, in Manila in November 2015. She is Asia's Best Female Chef for 2016, according to Asia's 50 Best Restaurants' Awards. Fores is also the first Filipino chef to win the award. She is a Certified Public Accountant graduate of Assumption College.</p>
	<p><b>Tatiana Gallego-Lizon</b>, Director, Urban and Water Division Southeast Asia Department, ADB Gallego-Lizon started at ADB in 2002 under the Young Professionals Program. Between 2002 and 2014, Tatiana led project development and implementation work in South Asia and Southeast Asia and selected policy and strategy development assignments for ADB. Before ADB, she was Senior Environmental Engineer with GlaxoSmithKline in the United Kingdom and a researcher at Imperial College at the University of London, Shell, and Norsk Hydro. She holds a PhD in Environmental Engineering and a Master of Engineering in Chemical Engineering from Imperial College at the University of London.</p>
	<p><b>Matthias Gelber</b>, Co-founder, Maleki GmbH Gelber was voted "Greenest Person on the Planet" in 2008, in an online competition by 3rdWhale in Canada. Gelber graduated with a master's degree in Environmental Science from Brunel University in the UK and went on to start an environmental consulting company in 1999 which was subsequently acquired by a listed engineering company in the UK. In 2007, he co-founded Maleki GmbH. He also served for the last four years as a Board Member of Solexel Malaysia Sdn Bhd. His eco-friendly private pension system is a bio-diverse reforestation project in Panama where he owns 3 hectares of forest which delivers passive income from thinning and from certified carbon credits. Gelber has published his first book, <i>The Greenman's Guide To Green Living and Working</i>, printed on FSC-certified recycled paper, and which received a carbon-neutral certificate.</p>





	<p><b>Eang Sophalleth</b>, Under Secretary of State, Ministry of Environment, Cambodia Eang obtained his PhD from the University of Calgary. Prior to his current position, he was Chairman of the Association of Natural Rubber-Producing Countries, and was Under Secretary of State, Ministry of Agriculture, Forestry and Fisheries, Cambodia, from 2013 to 2016. He was also Under Secretary of State in the Ministry of Public Work and Transport from 2011 to 2013. He worked for the Cambodian Construction Company Ltd. (1995 to 1997) and in Bettis Canada Inc. (1994 to 1995). From 1989 to 1994, he worked in Paragon Corporation – Sigma Measurement Inc., in Calgary, Canada.</p>
	<p><b>Herath Gunatilake</b>, Director, Environment and Safeguards Division, ADB Gunatilake joined ADB as an environment specialist and served as natural resource economist, economist, and energy economist in different departments. Prior to joining ADB, he served as head of the department and professor of environmental economics in a Sri Lankan university. He had published more than 50 journal articles; about 25 ADB publications; and five books on energy, natural resources, and environmental economics. He has a Bachelor’s degree in Agriculture (Sri Lanka), Postgraduate Diploma in Sustainable Agriculture (Norway), Masters in Natural Resources Management (Norway), and PhD in Resource Economics (United States). He also received Harvard, Cambridge, and Gothenburg University training in environmental economics.</p>
	<p><b>Diwakar Gupta</b>, Vice-President for Private Sector and Cofinancing Operations, ADB Gupta assumed office in August 2015. Gupta oversees ADB’s assistance to private sector projects with a clear development impact but limited access to capital. He is also responsible for building and maintaining cofinancing partnerships with various organizations and financial institutions. Under ADB’s long-term Strategy 2020 framework, ADB is scaling up its support in these two areas of activities. Gupta was Managing Director and Chief Financial Officer of the State Bank of India. He joined the State Bank of India in 1974 and held several positions at its various units and subsidiaries. Gupta also worked as Independent Director on the boards of various business councils, financial services companies and other private organizations in India. He holds a Master of Science degree in Physics from the University of Delhi, and a Bachelor of Science degree in Physics (with Honors) from St. Stephen’s College in Delhi.</p>
	<p><b>Anthony Halog</b>, Faculty Member Industrial Environmental Management, University of Queensland (UQ) Halog joined the UQ from the University of Maine, where he was an assistant professor in Industrial Ecology. His research focuses on the sustainability of the human-nature complexity through understanding the nexus of material and energy systems. His Research Group in Industrial Ecology and Circular Economy at UQ endeavours to provide service/expertise for industry clients in transforming existing linear system-based value chains and operations towards circularity, which enhances their resource efficiency &amp; productivity, creates added value products from wastes, and reduces their emissions into the environment for a more sustainable consumption and production in the future.</p>
	<p><b>Yasushi Hibi</b>, Vice President for Asia Policy Managing Director for Japan Program Conservation International Yasu has been the Managing Director of Conservation International (CI) Japan since 2003. He leads CI’s efforts in Japan in engaging the Japanese government and the private sector in global sustainable development. In addition, Yasu has taken up responsibilities as Vice President for Asia Policy to consolidate CI’s regional policy engagements in the Asia-Pacific, developing partnerships with multilateral institutions and governments in the region. Before joining CI, Yasu worked for Nomura Research Institute, Ltd. and for UNDP as Regional Environment Officer for the Asia Pacific. He served on Japanese Government committees including Ministry of the Environment’s business biodiversity mainstreaming and GEF7 Financial Needs Assessment Experts Group for the Convention on Biological Diversity.</p>

# SPEAKERS



**Md. Fazlul Hoque**, Managing Director, Plummy Fashion Limited–Bangladesh  
Hoque has 20 years of experience in the Knitwear industry, and was the president of the Bangladesh Knitwear Manufacturers & Exporters’ Association for 6 years. He was also the President of Bangladesh Employers Federation and Director of the International Apparel Federation. In these roles, he has travelled extensively and has developed a strong understanding of the requirements of major markets and customers. Plummy Fashion Ltd. In Bangladesh strives for sustainable and accountable business practices in the country, and commenced the ground-breaking project, The Green Knit Apparel manufacturing unit.



**Anwar Hossain**, Minister  
Ministry of Environment and Forestry, Bangladesh  
Hossain is Minister of Environment and Forests for Bangladesh. He has also served as Minister of Energy and Mineral Resources, Minister of Communications and a Member of Parliament. Prior to entering politics he was in the media business, serving as editor and publisher of the Daily Ittefaq. Hossain is a graduate of the University of Dhaka, and he pursued International Relations at Georgetown University in Washington, DC.



**Chaoni Huang**, Head of Business Development – Asia, Trucost  
Chaoni has been Head of Business Development for Asia at Trucost Plc since October 2012. Chaoni joined Trucost in 2012 and is responsible for business development, account management and partnership in Asia. Prior to Trucost, she was a Senior Environment, Social, Governance analyst at MSCI (London and Beijing), and a project manager at the UNEP Finance Initiative. She has been an executive board member of China Carbon Forum, a guest researcher for the China Economy and Sustainable Development Centre at the Cheung Kong Graduate School of Business. Chaoni has an honors degree in Economics from the University of Warwick.



**Lucy Hurst**, Director, EIU  
Prior to rejoining the company in 2007, Hurst was an independent consultant with project management expertise in strategic planning, benchmarking, and business intelligence. She was deputy editor for the Economist Intelligence Unit’s custom publishing group, conducting client research on corporate strategy projects in Latin America and Europe, and a consultant with its consulting and research group, working on projects for clients looking to enter markets in Asia, Europe, and South America from 1988 to 1994. Hurst’s previous business associations include Sotheby’s and the Museum of Modern Art.







**Maricen S. Jalandoni**, General Manager and Chair of the Board of Trustees Base Bahay Foundation, Inc.  
Jalandoni presents over 25 years of Sales, Marketing and Operations experience covering consumer goods, banking and real estate. A major part of her career reflects her 15 year-tenure with the Megaworld Corporation in different senior management positions. She is also engaged in entrepreneurial ventures, and continues to support private relief and livelihood projects and is focused on her calling for nation building. Base Bahay Foundation, Inc. is a subsidiary of Base Builds Ltd. (an initiative of HILTI Foundation).



**Pacita Juan**, Owner, ECHOstore  
Juan co-founded ECHOstore in 2008 and has since won many awards like Entrepreneur of the Year in 2011 (for social enterprise) by Ernst and Young, Social Entrepreneur of the Year by GO Negosyo and Bossing award by PLDT/Smart. She also chairs the Women’s Business Council of the Philippines, an advocacy group for policy reforms to empower women in business composed of women CEOs and COOs. She also founded and heads the Philippine Coffee Board, Inc., the Philippine chapters of the International Women’s Coffee Alliance and the Women Corporate Directors International. Juan is also the Chair of ASEAN Women Entrepreneurs Network for 2016–2017. She sits in several non-profit boards such as in the Haribon Foundation and Philippine Coffee Board Inc.





	<p><b>Michiko Katagami</b>, Principal Natural Resources and Agriculture Specialist Agriculture, Rural Development and Food Security Unit, ADB Michiko Katagami is Principal Natural Resources and Agriculture Specialist and responsible for advising on food security, agriculture and natural resources issues and supporting ADB’s food security engagement both at the country and regional levels. She has over 15 years of the sector investment experience at ADB, ranging from microfinance to agribusiness development, fair trade, irrigation, agricultural research and various sector development programs in Asia and the Pacific. Before joining ADB she worked for UNDP, Mitsubishi Trust &amp; Banking and UBS Securities. She holds a master degree in development economics from the Institute of Social Studies (Nuffic Scholar, with distinction).</p>
	<p><b>Madhu Khanna</b>, Professor in Environmental Economics University of Illinois, Urbana-Champaign Khanna obtained her PhD and MS from the University of California, Berkeley. For research, she has worked on diverse topics ranging from technology adoption and agro-environmental policy analysis, voluntary approaches to environmental protection and the land use, market and greenhouse gas implications of biofuels. Her work on technology adoption seeks to provide a rationale for the often-observed low rates of adoption of efficiency-enhancing technologies and shows the importance of considering heterogeneous producer characteristics, risks, uncertainty and market failures that distort prices while analyzing the incentives to adopt these technologies. Khanna also examines the design of conservation payments to induce the adoption of improved land management practices to reduce non-point pollution from agriculture and enhance soil carbon sequestration.</p>
	<p><b>Katerina Kimmorley</b>, Co-founder, Pollinate Energy – India Representing Pollinate Energy and the Clean Energy Finance Corporation (CEFC) – Australia Kimmorley is a renewable energy expert and a social entrepreneur. Founding the UN award-winning Pollinate Energy, she is a leading voice in the development of renewable energy in Australia and India. She spoke at the UNFCCC COP 19 and has been recognized by the Financial Review as one of Australia’s 100 Women of Influence. She has worked in the renewable energy industry for the last 8 years advising private equity investing in the region and running the tender process for the NSW Government’s 100-MW Solar Flagship Program. She is an economist by training and was awarded a Chevening and London scholarship for her Masters in Environmental Economics and Climate Change at the London School of Economics.</p>
	<p><b>Christopher Knowles</b>, Head of Climate Change and Environment Division European Investment Bank (EIB) Knowles joined EIB in 1982 and has held a number of positions inside and outside Europe. Since January 2006 he has been part of an initiative by EIB to reinforce its activity in sectors of high policy priority for the EU and in which the EIB seeks to develop innovative approaches. In this capacity he has a pan-European responsibility for a diverse portfolio of activities, which includes equity funds for infrastructure and clean energy, carbon finance, and structured finance in the energy and environmental sectors. He represents EIB on various Advisory Committees including that for the Climate Bond Initiative, and Chairs the Board of Directors of the green for Growth Fund. From 2000 to 2005, he led the lending operations team responsible for EIB’s financing in the transport and infrastructure sectors in Spain. He spent the 1990s doing broadly similar jobs throughout the Central European region, Finland and Greece and the 1980s in the African and Caribbean regions. Prior to EIB he worked for the Lesotho National Development Corporation, the European Commission and Lazard Brothers. He has degrees in Economics and Management from the University of Durham.</p>

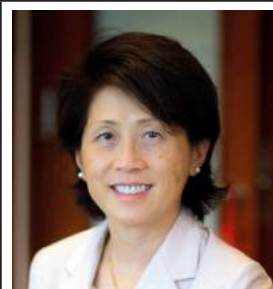
# SPEAKERS



**Ritesh Kumar**, Conservation Program Manager  
Wetlands International–South Asia  
Kumar has been the Conservation Programme Manager of the organization since 2009, responsible for organizational strategy development, resource development, communications, programme management. Prior to his position, he was Senior Technical Officer from 2006 to 2009, and and Technical officer from 1999 to 2005 in the Wetlands International - South Asia. He obtained his PhD in Environmental Economics in University of Delhi in 2012.



**Mark Laska**, Founder and President, Great Ecology  
Managing Partner, Tellurium Partners  
Laska is one of the United States foremost authorities on ecological restoration, environmental strategies, wetland mitigation and conservation banking, natural resource damage evaluation and restoration, and is an ecologist and entrepreneur with more than 25 years of experience. Laska is an environmental industry pioneer, driving innovation on the frontiers of restoration ecology and sustainability. Laska is the Founder (2001) of Great Ecology one of the fastest growing environmental consulting businesses in the US. Laska serves on the Board of Directions of the National Mitigation Bank Association. Laska also is co-founder and managing partner at Tellurium Partners, a privately held natural capital investment group that develops and operates habitat and wetland mitigation banks throughout the US. He is an investor, operator, consultant, advisor and evangelist for the “banking” industry.



**Amy Leung**, Deputy Director General concurrently Chief Thematic Officer  
Thematic Advisory Service Cluster, Sustainable Development and  
Climate Change Department, ADB  
Leung has over 20 years of experience in water and urban development. She was chair of ADB’s in-house Water Community of Practice from 2008 to 2014. Her expertise includes urban planning, water and sustainable development, public-private partnerships, and green cities. Leung’s work in ADB allowed her to complement her expertise with on-the-ground work on project design and implementation covering urban development and water management projects, as well as direct involvement in policy discussions with government and development partners.








**Sharanjit Leyl**, Producer and Presenter, BBC World News  
Leyl regularly anchors Asia Business Report and Newsday from the BBC’s Singapore studio. She is also a reporter and producer on these shows along with World Business Report. She has filed reports for radio on the BBC World Service business and arts programmes and written features for BBC news online. Leyl began her broadcasting career at the Canadian Broadcasting Corporation in 1997. She joined financial news service provider Bridge Information Systems where she wrote for its newswires on foreign exchange movements in the aftermath of the crisis. In 2000, Leyl moved to Bloomberg Television in its headquarters in Tokyo. She also anchored a weekly lifestyle and culture segment from Asia. As one of the first main anchors for Bloomberg’s Asia Pacific headquarters, she played an integral role in editing and influencing the content of its programming. Leyl joined BBC World News in September 2003.



**Lote Lima**, ICT Training Coordinator, Samoa Chamber of Commerce and Industry  
Lima is the member services manager at the Samoa Chamber of Commerce. She has worked at the organization for four years. Lima graduated from the Auckland University of Technology in Auckland, New Zealand with a Bachelor in Social Sciences and Human Resource Management in 2011 and has been working in Samoa since then. As the Member Services Manager, she works extensively with the Samoa Chamber of Commerce membership (over 350 businesses) and with donor partners and stakeholders. Lima also coordinates events and training for the private sector, playing a role in capacity building for staff, and building awareness of issues that affect the economy in Samoa.



	<p><b>Paolo Limcaoco</b>, Investment Associate, Southeast Asia, LGT Impact Ventures Limcaoco was previously the ICats Investment Associate Fellow of the LGT Venture Philanthropy, and has also worked as a finance consultant for Rags2Riches Inc. He worked as Senior Associate, Investment Banking and Capital Markets Department at the Amalgamated Investment Bancorporation from 2007 to 2011. He studied at the Massachusetts Institute of Technology – Sloan School of Management.</p>
	<p><b>Sherin Lin</b>, Vice President, Academy &amp; Life Care Greater China TÜV Rheinland (Guangdong) Ltd. Lin oversees Academy and Life Care business of TUV Rheinland Group in Greater PRC region. She set up the Competence Centre of CSR &amp; Sustainability. She has dedicated herself actively together with the team and achieved some highlights including development of capacity building program “FIT FIVE®” in 2005 with recognition of Best Practice by Global Compact for supply chain solution; consultancy of probably the first management system based on ISO26000 in PRC; consultancy to Carbon Pioneer in PV industry to win WWF Climate Saver award. She acts also as the project director of FEES – a green finance project of EU SWITCH-Asia.</p>
	<p><b>Ma. Carmela D. Locsin</b>, Director General Sustainable Development and Climate Division, ADB Locsin assumed the position of Director General at the SDCC in July 2014. Prior to this, she assumed various positions including: Head of the Office of Co-financing Operations (OCO); Deputy Director General, South Asia Department; Deputy Director General, RSDD; and Director of OCO. Prior to joining ADB in 1997, she worked at the International Finance Corporation, United States and the World Bank for 7 years. She has a Master’s degree in Business Administration from Georgetown University, Washington, DC, United States and a Bachelor’s degree in Economics from the University of the Philippines.</p>
	<p><b>Regina Lopez</b>, Secretary Department of Environment and Natural Resources, Philippines Lopez is an environmentalist and has initiated Bantay Bata 163, the country’s first media-based hotline. In 1997, Bantay Bata was the United Nations Grand Awardee for Excellence besting 187 countries. She also spearheaded Bantay Kalikasan, for which she received the 1997 International Public Relations Award of Excellence for the Environment and Outstanding Manilans Award for the Environment, 2009. For Sineskwela, Lopez was honored with the Unesco Kalinga Award, the first Southeast Asian to earn this distinction. She is also the Vice-Chairperson of ABS-CBN Bayan Foundation, and the Chairman Emeritus of Southeast Asian Children’s Television. Lopez also initiated the rehabilitation of the Pasig River and its tributaries, one of the most polluted and toxic river systems in the Philippines today. She also launched the “Save Palawan Movement” along with partner organizations.</p>
	<p><b>Geoffrey Muldoon</b>, Senior Manager, Business and Industry, and Director of Asia Pacific Sustainable Seafood &amp; Trade Network, WWF Coral Triangle Program Muldoon handles responsibility for managing a regional multi-national coastal fisheries a program and for establishing and building an Asia-Pacific regional seafood platform to bring together regional and international seafood producers and buyers and use market-based tools. He has accumulated more than a decade of experience working in fisheries and aquaculture sectors across the Asia-Pacific and joined WWF in 2008, firstly as a Strategy lead coordinating the Coral Triangle Programs Coastal Fisheries initiative. Muldoon now leads the seafood markets and private-sector engagement work of WWF’s Coral Triangle Programme, a multi-national program addressing food security, livelihoods and responsible seafood production at a regional scale. He has an academic background in finance and environmental economics, having studied at the University of Tasmania (BEc) and Queensland University (GDip Applied Economics) before receiving his PhD in Natural Resource Management and Fisheries Economics from James Cook University.</p>



# SPEAKERS



**Takehiko Nakao**, President, ADB

Nakao is the President of ADB and the Chairperson of ADB Board of Directors. He was elected President by ADB Board of Governors and assumed office in April 2013. Before joining ADB, 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, 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 assigned as 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. He 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. Born in 1956, Nakao holds a Bachelor's degree in Economics from the University of Tokyo and a Master of Business Administration from the University of California, Berkeley.



**Phat Nguyen**, Project Manager, Inclusive Business Accelerator, Viet Nam

Nguyen has 10 years of experience in business accelerator and private equity/impact investment with Inclusive Business Accelerator (Viet Nam), Impact Venture Accelerator (Viet Nam, Thailand, Indonesia, and the Philippines), and Indochina Capital. He was part of the consultant team drafting a World Bank-funded legal framework for public-private partnerships in Vietnam that formed the basis for a new PPP law. He obtained certificates in Climate Change and Environmental Analysis from the UNEP Finance Initiative and in Incubation Manager training by AsiaSEED. He is also a fully certified trainer of Microfinance by ADB Institute and World Bank Tokyo DLC (accredited with distinction).



**Karlo Alexei Nograles**, House Representative, Philippines

Nograles hails from Davao City, Philippines, and has served as Congressman in the First District since 2010. He is currently the Chairman of the Committee on Appropriations for the 17th Congress. He is member of both the Global Organization of Parliamentarians Against Corruption (GOPAC) and the South East Asian Parliamentarians Against Corruption (SEAPAC). He is also a member of the Philippine Constitution Association. Nograles obtained his Bachelor of Science degree in Management Engineering, and Juris Doctor in 2003 from Ateneo de Manila University.



**Douglas Pabst**, Division Chief, Drinking Water and Municipal Infrastructure Branch, Region 2, United States Environmental Protection Agency

Pabst is an environmental scientist at the U.S. Environmental Protection Agency's regional office which serves New York, New Jersey, Puerto Rico and the U.S. Virgin Islands. He currently serves as Chief of the Drinking Water and Municipal Infrastructure Branch (DWMIB). In 2014, Pabst served as Chief of the Superstorm Sandy Recovery Green Team (SRGT). The SRGT fosters the inclusion of green infrastructure, green design, resilience, climate change adaptation and community planning in Sandy recovery projects. Pabst received an MS in Oceanography from State University of New York/Stony Brook and a BS in Biology from Clark University.



**Noel Peters**, Senior Safeguards Specialist

Private Sector Transaction Support Division, ADB

Peters is an environmental specialist supporting ADB's private sector transactions. Prior to joining ADB he provided environmental finance services to clients including major corporations, trading companies, international banks, the UN, national and regional governments and non-profit organizations. He was formally a member of the Australian Government's Domestic Offsets Integrity Committee advising the Australian Government on the integrity of the Carbon Farming Initiative and as one of the first climate bond verifiers, worked closely with the Climate Bonds Initiative in the development of its climate bond standards. Most recently, he provided the technical support for the issuance of the first climate bond in Asia and the Pacific.





	<p><b>Lida Pet-Soede</b>, Leader of the WWF Coral Triangle Global Initiative, WWF Pet-Soede is a senior strategic marine and coastal resource management professional with practical, policy, technical and project management skills. She leads development of innovative programs for the marine unit of PT Hatfield Indonesia and environmental expert group. She has a PhD in Tropical Fisheries Management and more than 20 years of work in the Asia-Pacific region, with current understanding of challenges and opportunities to the development of Marine Conservation, Coastal Management, Fisheries management and Tourism management in the region. Amongst several projects, she is engaged in a project to consider opportunities for strengthening constituency and financial support for The Coral Triangle Marine Protected Areas Network through supporting WWF’s Coral triangle program in developing responsible nature-based tourism in Timor-Leste, Papua New Guinea, and Solomon Islands.</p>
	<p><b>Daniele Ponzi</b>, Technical Advisor (Environment) and Chair Environment Thematic Group Committee, ADB Ponzi has, for more than 30 years, worked in the field of environment policy and management as staff and consultant for various international organizations and Italian companies including academes and NGOs. He joined ADB in 1995, and is currently the Technical Advisor (Environment) and Chair, Environment Thematic Group Committee. In his 18 years with ADB, Ponzi has worked in several departments and held a wide range of responsibilities covering the Bank corporate strategic green growth and environment agenda, and associated policies and knowledge management for green growth. He also worked on country environment strategies and programs and led the development and administration of several environmental and natural resources management loans, grants and technical assistance projects. From 2005 to 2008 he was with the African Development Bank (AfDB) where he managed the Sustainable Development Division. In this capacity he led the expansion of the AfDB–Global Environment Facility program, started the AfDB environmental and social safeguards review process, and initiated and led the development of the AfDB climate change adaptation strategy and associated programs. Ponzi holds a university degree in Economics from Bocconi University, Milan and a two-year postgraduate master degree in Environmental Policies and Management. He is a member of the Italian Journalists Professional Association.</p>
	<p><b>Agus Purnomo</b>, Managing Director for Sustainability and Strategic Stakeholder Engagement, Golden Agri-Resources Ltd. (GAR) Purnomo joined GAR in October 2014. He had held many positions for the government, multilateral institutions and international and national NGOs, including Special Assistant to the President of Indonesia for Climate Change (2010–2014), Special Assistant to the Minister of Environment (2004–2009), the World Bank (2002–2004), Executive Director of WWF Indonesia, and half a dozen other national organizations on sustainable development issues. He graduated with a Master’s Degree in Environmental Conservation Policy from Tufts University in the US in 1994 and a Master’s in Business Administration from Prasetya Mulya Management Institute in Indonesia in 1985.</p>
	<p><b>Jose Felipe Dias Quintas</b>, National Director Tourism Marketing and International Relations, Timor-Leste Quintas has been working for the Ministry of Tourism, Arts and Culture since 2003. He completed his Bachelor Degree in Economics in West Java (Indonesia) in 2000, Bachelor Degree in International Tourism Management in the UK (London) in 2006. He gained his Master Degree in Environmental Science in Charles Darwin University, Australia, in 2015. Quintas is currently in charge of United Nations World Tourism Organization projects on human resources development (vocational training program) including hospitality, housekeeping, food and services, and food production for SMEs as well as community-based ecotourism marketing.</p>

# SPEAKERS



**Atiur Rahman**, Professor, Department of Development Studies, University of Dhaka  
Rahman served as the Governor of Central Bank of Bangladesh during the period of May 2009–March 2016. After obtaining M.A. in Economics from Dhaka University, he pursued studies in the School of Oriental and African Studies (SOAS), University of London under a Commonwealth Scholarship, securing M.A. and PhD in Economics (1983). He was also awarded a Commonwealth Development Fellowship at the University of Manitoba in Canada (1989), a Ford Foundation Post-Doctoral Fellowship at The University of London (1991–92), and a Visiting Research Fellowship, at the Institute of South-East Asian Studies, Singapore (1998–99). Rahman has been awarded the Best Central Bank governor – Asia Pacific, 2015 by The Banker magazine, a Financial Times publication for his role in channeling credit towards environmentally and socially responsible development projects and very recently, the Emerging Markets (a subsidiary of the Euromoney) has also awarded him the “Central Bank Governor of the Year for Asia 2015”.



**Matthew Rajendra**, Founder and CEO, Green Data Center LLP  
Having been in the hi-tech industry for the past 22 years and starting his first business at 19, Rajendra is the only Malaysian to have received the world’s most prestigious IT award from the United Nations. In May 2016, the UN/ITU awarded him for the best E-Environment technology during the World Summit of Information Society in Geneva by the Secretary General for his invention, the Eco2 data center cooling technology. In October 2016 he won the Chairman’s Award at the Global ICT Excellence Awards by WITSA in Brasilia. He also bagged two awards at the MSC Malaysia APICTA Awards in September 2015 for sustainability and start-up. He represented Malaysia and won the International APICTA Awards for Best of Sustainability and Environmental Technology in Colombo in November 2015.



**Assaad Razzouk**, Group CEO, Sindicatum Sustainable Resources  
Razzouk is a Lebanese-British clean energy entrepreneur, investor and commentator. He is Group Chief Executive and Co-Founder of Sindicatum Sustainable Resources, a global clean energy company headquartered in Singapore; the Chairman of the Board of the Association for Sustainable and Responsible Investment in Asia (ASrIA); a Board member of the Climate Markets & Investment Association (CMIA); and a commentator on climate change, natural capital and clean energy.



**Roderick Ruhl**, Chief Technology Officer, Geo Data Intelligence Ltd.  
Roderick Ruhl studied Planetary and Geological Sciences at University College London before studying Economics at London School of Economics and University of St. Gallen, Switzerland. He worked several years in business consulting at Accenture advising Oil, Gas and Energy clients how technology is expected to transform their industry before working at numerous start-ups for the past 10 years. He is founder of GDI (UK) and NexDrone, advising governments and infrastructure companies on harnessing geospatial and drone data to improve their operations.



**Anthony Ruschpler**, Treasury Specialist, Funding Division, Treasury Department, ADB  
Ruschpler joined the Funding Division of the Treasury Department in November 2015 and is primarily responsible for monitoring, evaluating and executing funding opportunities in various capital markets as part of the ADB’s annual borrowing program. Prior to joining the Asian Development Bank, he worked as a Senior Treasury Officer at the African Development Bank (AfDB) where he managed and executed its annual borrowing program and spearheaded the development of AfDB’s Green Bond program. He has also worked as a consultant for PIMCO’s European Advisory business and spent four years at BNP Paribas as a Debt Capital Markets coverage officer to sovereign, supranational and agency clients. During this time, he was also involved in market-making on the European Government Bond trading desk. Ruschpler holds a Master of Arts degree from Oxford University and a Master of Philosophy degree from Cambridge University. In addition to his native language of English, he is also fluent in German.



**Oyun Sanjaasuren**, Chair, Global Water Partnership

Sanjaasuren is a Member of the Parliament of Mongolia. She was elected first in 1998 and has been re-elected in the terms of 2000, 2004, 2008 and 2012. She served as Minister of Foreign Affairs during 2007–2008 and Minister of Environment and Green Development during 2012–2014. During the term of 2004–2008, she respectively held the positions of Vice-Speaker of the Parliament, Leader of the Democratic Coalition Parliamentary Caucus and Chairman of Sub-Committee on Millennium Development Goals and poverty reduction. Sanjaasuren is the founder and the leader of the Civil Will Green Party of Mongolia. She also heads the Zorig Foundation. Sanjaasuren served as the first President of United Nations Environment Assembly of United Nations Environment Programme (2014–2016 term) and is joining the Global Water Partnership as its Chair from July 2016. She holds a PhD degree in Earth Sciences from Cambridge University, UK and pursued a career in mining industry before joining politics.



**Tamal Sarkar**, Director, Foundation for MSME Clusters-India

Sarkar is D. Phil in the Economics of Cluster Development. He has 25 years of experience in industrial development, with special reference to micro, small, and medium-sized enterprises (MSMEs). He specializes in competitiveness, poverty alleviation, sustainable development and innovation for MSMEs in clusters. He has done/supported in creating over 200 MSME cluster diagnostic studies, analysis of MSME finances, over 100 value chain mapping, cluster mapping in four countries and led over 25 cluster development projects in India and rest of the world. He is a trainer in the area of MSME clusters and have conducted/was faculty for around 40 training programmes. He has extensive hands on experience in implementing cluster development projects in the areas of pharmaceuticals, foundry, processed food, leather, handloom and handicrafts and has done studies for over 40 different industries in nearly 150 MSME clusters including sports goods, rubber, pharmaceuticals, medical equipment, metal recycling, etc. He is a visiting faculty at various universities on cluster, value chain and policies thereof. He has published extensively on cluster policy and cluster development methodology.



**Gregory Schneider-Maunoury**

Head of Sustainable Responsible Investments, Humanis Gestion d'Actifs  
Schneider-Maunoury is head of SRI at Humanis. He has responsibility for the development of SRI in Humanis and Humanis Gestion d'Actifs, its asset management arm. Among other achievements, he has designed and developed HGA Obligations Vertes, a Green Bond fund with a quantification of environmental impact. He is a non executive Director the French SIF (Social Investment Forum). Before joining Humanis in 2008, Grégory Schneider-Maunoury was SRI analyst in sell side (CM CIC Securities) and buy (Dexia AM) as well as in CSR rating agencies (Vigeo, Arese). Schneider-Maunoury received his PhD in Management from the University of Aix-en-Provence. He is a visiting Lecturer at Pole Universitaire Leonard de Vinci in Paris.



**F. Umiich Sengebau**, Minister

Ministry of Natural Resources, Environment and Tourism, Republic of Palau  
Sengebau was appointed as Minister in 2013. He is responsible for the management, protection and development of Palau's natural resources as well as guiding the implementation of the Protected Areas Network programme and the Palau National Marine Sanctuary initiative. Sengebau also oversees the implementation of tourism policy targeting high-value tourism and the new brand, "Pristine Paradise. Palau." Prior to being minister, he served as deputy director of The Nature Conservancy, Micronesia programme, leading the implementation of conservation programmes within Palau, Guam, the Commonwealth of the Northern Mariana Islands, the Federated States of Micronesia and the Marshall Islands. He holds an MS degree in environmental science from the University of Guam and a BA degree in Anthropology and Pacific Islands' history from the University of Hawaii–Manoa. He is a member of the Palau Conservation Society board of directors as well as the Protected Areas Network Fund.



# SPEAKERS



**Lyu Shaoyang**, Vice General Manager  
China Energy Conservation and Environmental Protection Consulting Co., Ltd.

He has more than 20 years of experiences in policy study, planning and project consultancy in the field of energy conservation, low carbon development and green finance. As team leader, he completed a number of technical assistance projects supported by the World Bank, ADB, United Nations Industrial Development Organization and other international institutions. He holds an MBA in University of Liverpool and a Master in Engineering.



**Akmal Siddiq**, Director, Environment, Natural Resources and Agriculture, ADB  
Siddiq is a native of Pakistan. Prior to joining ADB in February 1998, Siddiq worked for a number of international organizations. After his MS, he worked for a USAID project in Islamabad. In 1988, he worked as a research scientist at the International Maize and Wheat Improvement Center, Mexico. After completing doctorate, he took up consulting with the World Bank, ADB, and bilateral agencies in Pakistan before joining ADB. At ADB, Siddiq processed and administered a number of loan and technical assistance projects and contributed to country strategies and sector work for 12 years before moving to the Office of Administrative Services in April 2010. He has worked on water, coastal, and wetlands resource management; livestock development and disease control; forest plantations; and fruit and vegetable development projects in Pakistan, Nepal, Uzbekistan, Tajikistan, the Lao People's Democratic Republic, Viet Nam, and the People's Republic of China. Siddiq received his MS (1985) and PhD (1994) in natural resource economics from the University of Arizona, Tucson and the University of Illinois at Urbana-Champaign, United States, respectively.




**Risa Gama Siregar**, Co-CEO, Rubysh Jewelry

Siregar is responsible for marketing division in customer relations for Rubysh Jewelry. She obtained her Bachelor of Computer Science from the Education University of Indonesia, Bandung. In 2015, she finished a Journalist Class from the Museum of The Asian-African Conference, Bandung, Indonesia. She is also the Chief in Editor of Maharadhika Bulletin, Museum of Asian-African Conference, Bandung, Indonesia, and also works at the Research and Development, Kreasi Edulab.



**Erik Solheim**, Executive Director, United Nations Environment Programme  
Following an extensive career focusing on environment and development in government and international organizations, Erik Solheim was elected to become Executive Director of the United Nations Environment Programme on May 13, 2016. Prior to joining UNEP, Solheim was the chair of the Development Assistance Committee (DAC) of the Organisation for Economic Co-operation and Development (OECD). As head of the DAC, which is the main body of the world's development donors, Solheim emphasized the role of private sector and tax in development finance, spearheading the Sustainable Development Investment Partnership and the Addis Tax Initiative. Solheim also focused on the need to channel more aid to least-developed countries, and bring new members and partners to the DAC. From 2007 to 2012, Solheim held the combined portfolio of Norway's Minister of the Environment and International Development, and from 2005 to 2007 served as Minister of International Development. Solheim is also an experienced peace negotiator, having acted as the main facilitator of the peace process in Sri Lanka from 1998 to 2005. He continued to lead peace efforts in Sri Lanka as Minister, and has contributed to peace processes in Sudan, Nepal, Myanmar and Burundi.

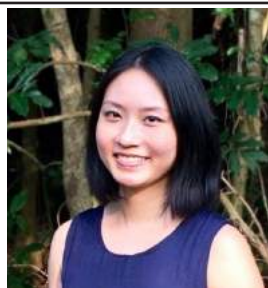


	<p><b>Daniel Spitzer</b>, Chairman and CEO, Mountain Hazelnuts Group          Since 1993, Spitzer has developed ventures that combine financial objectives with social and environmental goals, including Plantation Timber Products (PTP), which he built into the People’s Republic of China’s largest sustainable forestry company. With 700,000 tree farmers and state-of-the-art processing facilities, PTP transformed the People’s Republic of China’s wood products industry and demonstrated the economic viability of green initiatives in a competitive marketplace. He also serves as Chairman of a waste water treatment company in the People’s Republic of China. Mountain Hazelnuts Group is a public-private-community partnership that is planting 10 million hazelnut trees on Bhutanese mountain slopes, providing long-term income to smallholder farmers. The trees will sequester an estimated 1.5 million tonnes of CO<sub>2</sub>-eq over the project life and remediate degraded ecosystems. ADB is an investor in Mountain Hazelnuts and arranged for technical assistance programs to support climate resilience and stakeholder communities. ADB named Mountain Hazelnuts as its 2015 “Corporate Finance/Project Finance Deal of the Year”.</p>
	<p><b>Ary Sudijanto</b>, Director for Environmental Impact Prevention of Business and Activity, Directorate General for Forestry and Environmental Planning          Ministry of Environment and Forestry –Indonesia</p> <p>Sudijanto has worked in the Ministry since 2008. He obtained his Master of Science in Engineering, Environmental Engineering in 2001 at the University of Michigan, College of Engineering, and his undergraduate degree at the Jurusan Teknik Lingkungan ITS in Indonesia.</p>
	<p><b>David Sundahl</b>, Senior Research Fellow, Emerging Research          Clayton Christensen Institute for Disruptive Innovation          Sundahl has authored and co-authored a number of papers and is currently writing a book about scientific theory in business strategy and operations—the culmination of work from his time as a visiting scholar at the Harvard Business School. Prior to joining the Institute, Sundahl was founder and managing partner at Rule 4 Consulting, LLC where for a decade he transferred relevant practices and principles of the Toyota Production System and the Toyota Business System to many of the most prestigious and successful health care organizations in the United States. He is fluent in seven languages and has a BA from Brigham Young University and a PhD from Harvard University.</p>
	<p><b>Carlo Figa Talamanca</b>, Chief Executive Officer          Sustainable Green Fuel Enterprise – Cambodia          Talamanca is the CEO and owner of SGFE, an international award winning social business, which produces clean and sustainable charcoal from biomass waste. Talamanca is also a member of the Board of Directors of the European Chamber of Commerce in Cambodia and the chairman of Eurocham’s Green Business Committee. He obtained a Master’s Degree in Industrial Engineering from the University of Rome and he started his professional career in in the consulting business in Italy, joining the international technology transfer group INNOVA S.p.A. In 2005 he moved to Boston, where he became CEO of the American branch of INNOVA and led international technology transfer projects between Europe, United States and Latin America. He works in Cambodia since 2010, where, besides managing SGFE, he also works as a consultant and adviser for international development organizations and NGOs .</p>

# SPEAKERS



**Sonomi Tanaka**, Technical Advisor (Gender), SDCC, ADB  
 Tanaka is responsible for overseeing and providing advice on ADB-wide operations in support of gender equality and women’s empowerment. As Chair of the Gender Equity Thematic Group, she facilitates knowledge management on gender and development in ADB and coordinates gender mainstreaming initiatives across different departments and through different sector and thematic groups. Tanaka has worked on gender and development, poverty reduction, social analysis, social protection, and community participation issues in Asia and the Pacific for nearly 20 years. She has covered a number of sectors including education, finance, health, infrastructure, natural resources management, public sector management, and urban development. Prior to working with ADB, Tanaka worked in the World Bank’s South Asia Department and in development institutions in Japan. She holds a Master of Arts on Gender and Development from the Institute of Development Studies, Sussex University and a post-graduate diploma on development studies from the Institute of Developing Economies Advanced School in Japan. She has a bachelor’s degree on International Relations from the University of Tokyo.



**June Ng Thompson**, Communications Manager, Forest Stewardship Council – Asia  
 Thompson is the Communications Manager for FSC’s Asia Pacific regional office. She started her career as a reporter with a special interest in environmental and developmental news. FSC works to promote responsible forest management around the world. Operating in more than 100 markets, FSC is the preferred certification scheme for businesses, including Fortune 500 companies. Prior to joining FSC, she worked for WWF-Hong Kong, overseeing content management, branding and corporate partnership. Having worked for both public and private sector, including listed companies, Thompson is experienced in communicating environmental stories from diverse angles and raising awareness through campaigns and cross-sector collaborations. Thompson is based in Hong Kong and has a master in international and public affairs from the University of Hong Kong.







**Alcinda Trawen**, Director Policy and Planning  
 PNG Tourism Promotion Authority (PNGTPA)  
 Trawen holds an undergraduate tourism degree from University of Otago, New Zealand as well as Master of Tourism from James Cook University, Australia and has recently graduated with a Master of Planning, University of Otago, New Zealand. Her thesis was based on Community Participation Limitations in Tourism Planning. She was recently appointed as the Deputy Lead Sheppard for the APEC Tourism Working Group. She has been working with the PNGTPA for the past 10 years. Prior to this she was a Tourism Lecturer at the Divine Word University, PNG where she established and taught the first PNG undergraduate degree program in the tourism and hospitality field in 2005. She has also worked in the hotel industry in PNG. She is a Board Member of The Voice Inc, a homegrown Papua New Guinean NGO run by youth.



**Paul Tregidgo**, Managing Director of Credit Suisse in the Global Markets Division, and Vice Chairman – Debt Capital Markets, New York  
 Tregidgo is a Managing Director in the Global Markets Division of Credit Suisse and Vice Chairman Debt Capital Markets, based in New York. Paul founded and is co-chair of the Firm’s Impact Investing Advisory Council and a member of the Emerging Markets Council. Previously, Paul led the Firm’s Global Emerging Markets Debt Capital Markets business before being appointed Global Head of Debt Capital Markets. Prior to joining Credit Suisse in 1985, Paul practiced international financial law in both London and Hong Kong. Paul serves on the Board of ACCION International a leading Microfinance institution and is a member of the Advisory Council of the Center For Financial Inclusion. He obtained his law degree from Downing College, Cambridge.





	<p><b>Alka Upadhyay</b>, Assistant Vice President, Tata Sustainability Group Upadhyay heads the environmental Services and is responsible for promoting environmental sustainability across the Tata Group by driving various initiatives such as Water Footprint Assessment, Low Carbon strategy and Energy management, Natural Capital Valuation and concept of Circularity. She has over 22 years’ experience encompassing Operations, Technology Development and Product Application. Before joining the Tata Sustainability Group, she was a part of the Climate Change and Sustainability cluster at Tata Quality Management Services, a division of Tata Sons. Alka has spent over 14 years in the steel industry before joining Tata Sons. She has been responsible for conceptualization and facilitation of technological improvements in the area of iron making and flat products in Tata Steel. She has been felicitated with the Young Metallurgist award in 2005 by the Ministry of Steel. Alka holds a Bachelor’s degree in Metallurgical Engineering from BIT, Sindri and General Management program from IIM, Ahmedabad.</p>
	<p><b>Priyantha Wijayatunga</b>, Principal Energy Specialist, Energy Sector Group, ADB Wijayatunga graduated with First Class Honors from the University of Moratuwa specializing in Electrical Engineering. In 1992, he obtained a PhD in Power Economics from Imperial College, London. He joined ADB in 2008. He was a Senior Professor of Electrical Engineering at the University of Moratuwa and the Dean of the Faculty of Information Technology in 2001. He operationalized the Public Utilities Commission of Sri Lanka in 2003, the energy sector regulator and served as its founder Director General a position he held until 2008. He also served as a member of the Ceylon Electricity Board in 2002–2004. He was one of the lead authors of Sri Lanka Energy Policies and Strategies of 2008/09 and a key contributor to the Sri Lanka Electricity Act of 2009. He was the Chairman, South Asia Forum for Infrastructure Regulation in 2006. He is a Chartered Electrical Engineer and a Corporate Member of the Institution of Engineering Technology, London and Fellow of the Institution of Engineers Sri Lanka. Also he is a Senior Member of the Institution of Electrical and Electronic Engineers, United States. He has been the ADB focal point for regional energy cooperation in South Asia since 2008. He has experience in energy sector policy making, regulatory and climate change activities over 25 years and has authored or co-authored over 75 publications in the field of energy.</p>
	<p><b>Victor Lee You</b>, Principal Knowledge Sharing and Services Specialist, ADB You has been with ADB since 1993 when he joined as a Young Professional. He subsequently worked in the Office of the General Counsel for 13 years and then served as the Senior Advisor to the Managing Director General. Before joining ADB, he was a banking and corporate associate in law firms in New York City and Seoul, Republic of Korea. He is a member of the New York Bar, and is a graduate of Harvard College (A.B. in Economics) and Harvard Law School.</p>
	<p><b>Zuaraina Zaharin</b>, CEO, Eco Loo Zaharin is an avid adventurer, international speaker, author, social entrepreneur, environmentalist and wealth adventure coach. Using her principles called Summits of Sustainability that she discovered throughout her journeys to the cold summits in the Himalayas and the Russian Federation, combined with her knowledge and experience in leading eco social business, she has designed her speeches and created a life-changing awareness programs. Every environmentally related conference she attended concluded that gas emissions from human activity rose drastically from 70s to present, and continue to rise at an increasing pace. This made her venture into eco-social business by bringing the sustainable technology related to water, sanitation and hygiene from Sweden to Republic of Korea, and now she has established JVC in Malaysia to design, manufacture, market, sell, rent, maintain, distribute, export the sustainable solutions and create awareness on the importance of WASH to achieve United Nations’ Sustainable Development Goals.</p>

# SPEAKERS



**Shouqing Zhu**, Senior Associate, Sustainable Finance World Resources Institute  
Zhu leads and coordinates WRI's work related to promoting sustainability in the financial system in the People's Republic of China, which focuses on improving the environmental and social performance of Chinese investments, both overseas and domestic. He has served as a team leader for the Green Finance Task Force of the People's Bank of China, the international coordinator for the Green Finance Task Force of the China Council for International Cooperation on Environment and Development (CCICED), and team leader for PRC green finance studies of the Asian Development Bank. Prior to joining WRI, Shouqing held executive positions and worked with multinational corporations, national governments, multilateral institutions and non-profit organizations to develop and implement programs in areas of cross-border investment, regional economic development, greenhouse gas management, capacity building, and commercialization of clean tech. Shouqing holds an M.A. degree in World History from Peking University and an MPhil degree in Development Studies from the University of Cambridge. He also pursued doctoral research in banking regulation and management at the University of Melbourne. He is a certified Project Management Professional and Greenhouse Gas Inventory Quantifier.



# NOTES



## **About the Asian Development Bank**

ADB's vision is an Asia and Pacific region free of poverty. Its mission is to help its developing member countries reduce poverty and improve the quality of life of their people. Despite the region's many successes, it remains home to a large share of the world's poor. ADB is committed to reducing poverty through inclusive economic growth, environmentally sustainable growth, and regional integration.

Based in Manila, ADB is owned by 67 members, including 48 from the region. Its main instruments for helping its developing member countries are policy dialogue, loans, equity investments, guarantees, grants, and technical assistance.