



# Upscaling Climate-Smart Agriculture and Paris Alignment

15–18 March 2023 • Tokyo, Japan



## Venue: ADBI Conference Room, Tokyo Japan

Asian Development Bank Institute  
Kasumigaseki Building, 8 F, 3-2-5, Kasumigaseki, Chiyoda-ku, Tokyo Japan

## Background

As adverse impacts of climate change on farming and food system intensify in Asia and the Pacific, agriculture, and natural resources (ANR) sector in ADB's Developing Member Countries (DMCs) needs accelerated investments in upscaling climate smart agriculture to better manage the dynamic climate change risk for food security. At the same time, food system is responsible for a third of the global GHG emission, and offers low-cost and nature-based mitigation opportunities, which can substantially contribute to the emission reduction in line with NDCs in the region. Without successful mitigation investment realized, the world would get closer to “the tipping point”, where negative impacts on agriculture productivity due to climate change start cancelling out any crop yield growth realized from technological improvements, necessitating a further expansion of agricultural land to feed the future population.<sup>1</sup> Obviously, both climate change adaptation for resilience building and mitigation for low carbon transformation of the food system are important structural investments required for sustainable food security.

## Objective

ADB has set a steep cumulative investment target of [\\$100 billion by 2030](#) since 2019, and committed to [align all its investments with the Paris Agreement by July 2023 for all sovereign investments and 85% of non-sovereign investments](#). This training aims to assist ADB project teams and DMC project offices in responding to these drastic challenges by learning relevant global best practices, reviewing planned ANR projects and increasing their climate investments, and developing innovative climate smart agriculture investments that can set good examples for agribusiness industry to follow.

## Target Participants

- 10-15 ADB project teams (ADB staff and DMC counterpart staff [project directors/managers])

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<sup>1</sup> World Bank 2022. Repurposing Agricultural Policies and Support

## Expected Outcome

Participants will be able to (i) identify opportunities for climate adaptation and mitigation investments under the ADB's projects and ways to align the projects with the Paris Agreement; and (ii) develop ideas for new climate investment projects.

## Resource Speakers

CSA climate scientists, investors, and various ANR sector experts

## Agenda

### DAY 1: Wednesday, 15 March 2023

**Global Best Practices: Upscaling CSA—How to combine adaptation, low carbon transformation, and productivity enhancement in ANR investments, while improving rural livelihood - (Paris-Aligned, Integrated Food System Transformation, Nature-Based, and Inclusive Approach)**

Tokyo Time	Activities
8:15 – 8:30	<b>Registration</b>
8:30 – 8:40	<b>Opening Remarks</b> Mio Oka, Director, South Asia Department, ADB
8:40 – 8:45	<b>Introduction</b> Adaptation and Mitigation in Food System, and What ADB Proposes to Do Michiko Katagami, Principal Natural Resources and Agriculture Economist, ADB
8:45 – 9:25	<b>Managing Evolving Risks in Water Sector under Global Change: Towards Sustainable Solutions</b> Srikantha Herath, Director, Enviforecasting Co.
9:25 – 10:05	<b>Nature-Based Solutions to Address Climate/Environment/Biodiversity Challenges</b> Dindo Campilan, Regional Director for Asia, <a href="#">IUCN</a> Thailand Raphael Glemet, Senior Programmer Officer, <a href="#">IUCN</a> Thailand
10:05 – 10:15	<b>Coffee Break</b>
10:15 – 10:55	<b>Agribusiness Value Chain Development Projects (Field Crops / Horticulture)</b> Chandra Panjiwibowo, Director, Asia Program, <a href="#">Rainforest Alliance</a>
10:55 – 11:35	<b>Climate- and Nutrition-Smart Agriculture</b> Rewa Misra, Head, National Policy, and Innovative Finance, <a href="#">HarvestPlus</a> IFPRI

Tokyo Time	Activities
11:35 – 12:15	<b>Climate-Smart Agricultural Practices for the Drylands</b> Arvind Kumar, Deputy Director General, <a href="#">ICRISAT</a>
12:15 – 13:00	<b>Project Team Presentations and Consultation with Experts for Paris Alignment (5 mins each)</b>  <b>Pakistan:</b> Proposed Khyber Pakhtunkhwa Food Security Support <b>Pakistan:</b> Proposed <a href="#">Naulong Dam Project</a> <b>Pakistan:</b> <a href="#">Punjab Resilient Agriculture Value Chain Project</a> <b>Georgia:</b> <a href="#">Climate Smart Irrigation Sector Development Program</a> (a policy and investment combined lending) <b>Lao:</b> Green Agri-food Sector Project <b>Philippines:</b> <a href="#">Mindanao Irrigation Development Project</a>
13:00 – 14:00	<b>Lunch</b>
14:00 – 18:00	<b>Study Tour 1: <a href="#">NTT Agritechnology Center</a></b> (Demonstrations of greenhouse, drone, smart glass technology applications for agriculture)

## DAY 2: Thursday, 16 March 2023

Collaboration for Upscaling CSA (Low Carbon, Carbon Credit Projects, Green/Blue Financing Opportunities for ADB Projects)

Tokyo Time	Activities
9:00 – 9:15	<b>Japan's Support for Sustainable Business Investment Overseas</b> Toshio Oya, Councilor and Head, Global Business Investment Support Office, Cabinet Secretariat of Japan
9:15 – 9:30	<b>Recent Development of Joint Crediting Mechanism and Other Climate Policies in Agriculture in Japan</b> Gen Kunieda, Director, Global Environmental Affairs Office, MeaDRI Sustainable Food Systems Strategy Division, Minister's Secretariat, Ministry of Agriculture, Forestry and Fisheries
9:30 – 10:00	<b>Q&amp;A</b> <b>Group Photo</b>
10:00 – 10:30	<b>Voluntary Carbon Markets &amp; Article 6 of the Paris Agreement House Rule: Registration Framework for NDC, and C Market Development</b> Virendar Kumar Duggal, Principal Climate Change Specialist, ADB
10:30 – 11:00	<b>Low Carbon Livestock Project and Low Cost MRV in Columbia</b> Ciniro Costa, Climate and Food System Specialist Multifunctional Landscapes & Sustainable Finance, CIAT

Tokyo Time	Activities
11:00 – 13:15	Study Tour 2: <a href="#">Ota Horticultural Market Facilities</a>
13:15 – 14:00	Lunch
14:00 – 14:40	<b>Impact Investment Fund's Approach to Climate-Smart Food System Development in Asia</b> Stephanie Bilo, Head of Investment Solutions/Member of the Executive Management, <a href="#">ResponsAbility Investments AG</a>
14:40 – 15:20	<b>Carbon Funds to Restore Forestry Ecosystems &amp; Improve Rural Community Livelihood, and Food Security</b> Bernard Giraud, President & Co-Founder, <a href="#">Livelihoods Funds</a>
15:20 – 16:00	<b>Bill &amp; Melinda Gates Foundation's Adaptation Pledge for Smallholder Farmers</b> Srivalli Srishnan, Bill & Melinda Gates Foundation India
16:00 – 16:30	<b>Project Team Presentations and Consultation with Experts for Paris Alignment (5 mins each)</b>  India: 2023 <a href="#">Climate Resilient Brahmaputra Integrated Flood and Riverbank Erosion Risk Management Project in Assam</a> Bangladesh: 2024 <a href="#">Flood Reconstruction Emergency Assistance Project</a> Bangladesh: 2025 Crop Commercialization and Productivity Improvement Project Nepal: <a href="#">Nuts and Fruits in Hilly Areas Project</a>
16:30 – 17:10	<b>Sustainable Livestock and Rangeland Management in Mongolia (Carbon Credit Project to Support Rural Livelihood)</b> Caroline Upton, University of Leicester Dorligsuren & Uilst Dorligsuren

### DAY 3: Friday, 17 March 2023

#### Innovations and Best Technology Use Cases for Upscaling of Climate Investments

Tokyo Time	Activities
8:45 – 9:00	<b>ADB's Sector Pipeline Review &amp; Ways to Align Investments with the Paris Agreement</b> Michiko Katagami, Principal Natural Resources and Agriculture Economist, ADB
9:00 – 9:25	<b>The potential contribution of agriculture and forestry sectors in climate change mitigation and adaptation</b> Shimako Takahashi, Evaluation Specialist, ADB

Tokyo Time	Activities
9:25 – 9:50	<b>Low Carbon Rice Practices in Asia: IRRI's Plan for Upscaling AWD, DSR, and Carbon Credit Projects</b> Nafees Meah, Asia Representative, IRRI
9:50 – 10:15	<b>Data-Driven Agriculture to Improve Productivity by e-Kakashi under Climate Change</b> Takashi Togami, SoftBank Corp.
10:15– 10:40	<b>Cricket Farming in Cambodia: <a href="#">Making Profits from Waste to Alternative Protein</a></b> Seiya Ashikari, Founder & CEO, <a href="#">Ecologgie</a>
10:40 – 11:05	<b>Low-Cost, Data-Driven Agriculture Advisory for Millions of Farmers in India</b> Niriksha Shetty, <a href="#">Precision Development</a>
11:05 – 11:25	<b>Sustainable rice practices in Indonesia and Vietnam, and incentive mechanisms for upscaling them among smallholder farmers</b> Catur Utami Dewi rice global director, <a href="#">Rikolto</a>
11:25- 11:45	<b>Satellite-based Real-time Soil nutrient detection for fertilizer use efficiency and carbon credit projects</b>  Shunsuke Tsuboi , CEO, <a href="#">Sagri</a>
11:45 – 12:10	<b>Project Team Presentations and Consultation with Experts for Paris Alignment (5 mins each)</b>  <b>Indonesia:</b> <a href="#">Community-Focused Investments to Address Deforestation and Forest Degradation Project.</a> <b>PRC:</b> <a href="#">Preparing the Hubei Huanggang Dabie Mountain Ecosystem Protection and Carbon-Neutral Green Development Project</a> <b>PRC:</b> <a href="#">Green Farmland Demonstration and High-Quality Agricultural Development Program in Yellow River Basin</a> <b>India:</b> 2023/24 Clean Plant Program
12:10 – 13:00	<b>Lunch</b>
13:15 – 17:00	<b>Study Tour 3: <a href="#">Japan Plant Factory Association at Chiba University</a> (Vertical farming, green house technologies, high value variety development)</b>

**DAY 4: Saturday, 18 March 2023 (By Invitation Only)**

Tokyo Time	Activities
09:00 – 10:30	<b>Developing Member Country Climate Policy Roundtable</b>
11:00 – Noon	<b>India Climate Investment Roundtable: Partnership for Climate Investment Framework in Agriculture, Forestry and Other Land Use (AFOLU)</b> <ul style="list-style-type: none"> <li>• The Government Representatives</li> <li>• Bill &amp; Melinda Gates Foundation</li> <li>• ADB</li> </ul>

**List of Project Presentations**

<b>15 March 12:15– 13:00</b>	<b>Presentation # 1-6</b>
<b>16 March 16:00-16:20</b>	<b>Presentation #7-10</b>
<b>17 March 11:10-12:00</b>	<b>Presentation #11-14</b>

Presentation date	Country	Projects	Presenters	
<b>15 March 12:15– 13:00</b> <b>Presentation 1</b>	Pakistan	Proposed Khyber Pakhtunkhwa Food Security Support	Dr. Saima Hashim (F)	Environmental Specialist, KP Agriculture Department
			Asad Ali Zafar	Senior Project Officer (Water Resources), PRM
			Noriko Sato	Senior Natural Resources Specialist, CWER
<b>15 March 12:15– 13:00</b> <b>Presentation 2</b>	Pakistan	Proposed <a href="#">Naulong Dam Project</a>	Mr. Abdul Wahad Kakar	Director General, Balochistan Agriculture and Cooperatives Department
				Pakistan Flood Emergency Assistance Additional Financing (JFPR Grant for Food Security)
<b>15 March 12:15– 13:00</b> <b>Presentation 3</b>	Pakistan	<a href="#">Punjab Resilient Agriculture Value Chain Project</a>	Mr. Rana Mahmood Akhtar	Chief Planning and Evaluation Cell, Punjab Agriculture Department
<b>15 March 12:15– 13:00</b> <b>Presentation 4</b>	Georgia	Geo <a href="#">Climate Smart Irrigation Sector Development Program</a> (a policy and investment combined lending).	Yaozhou Zhou	Principal Water Resources Specialist
			Ms. Natalia Karatishvili	Deputy Director, Rural Development Agency Ministry of Environment Protection and Agriculture
			Mr. Gizo Chelidze	Head of the Hydro-melioration and Land Management Department

				Ministry of Environmental Protection and Agriculture
			Mr. Levan Tabatadze	Head of Projects Planning and Evaluation Department Georgian Amelioration Ltd Ministry of Environmental Protection and Agriculture
			Maria Pia Ancona Avtandil (Avto) Tskhvitava	ADB ADB
<b>17 March</b> <b>11:10-12:00</b> <b>Presentation</b> <b>14</b>	India	2023/24 Clean Plant Program	Krishan Rautela	INRM, ADB
			Vikas Goyal Raghavendra Naduvinamani	INRM, ADB INRM, ADB
<b>16 March</b> <b>16:00– 16:20</b> <b>Presentation</b> <b>7</b>	India	2023 <a href="#">Climate Resilient Brahmaputra Integrated Flood and Riverbank Erosion Risk Management Project in Assam</a>	Ravi Shanker Prasad	Additional Chief Secretary Environment and Forest Department Assam
<b>16 March</b> <b>16:00– 16:20</b> <b>Presentation</b> <b>8</b>	Bangladesh	2024 <a href="#">Flood Reconstruction Emergency Assistance Project</a>	Rajesh Yadav Taufiqur Rahman	INRM, ADB Deputation to Senior Production Economist, Planning, Project Implementation & ICT wing, Dept of Agricultural Extension, Khamarbari, Dhaka,
<b>16 March</b> <b>16:00-16:20</b> <b>Presentation</b> <b>9</b>	Bangladesh	2025 Crop Commercialization and Productivity Improvement Project (CCPIP)	Dr.Fatema Wadud (Shila	Deputy Director (Warehouse Section), Department of Agricultural marketing Room no # 719, Middle Building Khamarbari, Farmgate Dhaka, Bangladesh
			Marjana Chowdhury	Water Resources Specialist, BRM
<b>16 March</b> <b>16:00-16:20</b> <b>Presentation</b> <b>10</b>	Nepal	<a href="#">Nuts and Fruits in Hilly Areas Project</a>	Rajendra Koirala	Chief, National Center for Fruit Development and Project Director
<b>15 March</b> <b>12:15– 13:00</b> <b>Presentation</b> <b>5</b>	Lao PDR	green agri-food sector project	Omer Zafar, Principal Natural Resources and Agriculture Specialist	SERD, ADB
<b>15 March</b> <b>12:15– 13:00</b> <b>Presentation</b> <b>6</b>	Philippines	<a href="#">Mindanao Irrigation Development Project</a>	Reynaldo L. Baloloy	Department Manager of Engineering Department, National Irrigation Administration
<b>17 March</b> <b>11:25-12:00</b> <b>Presentation</b> <b>11</b>	Indonesia	<a href="#">Community-Focused Investments to Address Deforestation and Forest Degradation Project.</a>	Raka Aditya Wibisono	Staff Administration Officer, Project Management Unit FIP-1, Ministry of Environment and Forestry
<b>17 March</b> <b>11:10-12:00</b>	PRC	Preparing the Hubei Huanggang Dabie Mountain Ecosystem Protection and	Dongmei Guo	Environment Specialist, EAER, ADB



<b>Presentation 12</b>		Carbon-Neutral Green Development Project		
<b>17 March 11:10-12:00 Presentation 13</b>	PRC	Green Farmland Demonstration and High-Quality Agricultural Development Program in Yellow River Basin	Xiaomei Yang	Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural Sciences (CAAS)

## Access to ADBI

ADBI gate will be open from 8:00am – 9:30am during the training period. For speakers and other guests arriving beyond 9:30 am, pls inform the Training Secretariat.



### Japanese Representative Office (JRO)

Kasumigaseki Building 8F  
3-2-5 Kasumigaseki, Chiyoda-ku  
Tokyo 100-6008, Japan

Office Hours: 9:30 a.m. to 6:00 p.m., Monday to Friday

Tel +81 3 35043160  
Fax +81 3 35043165  
Email

## Training Secretariat

### Onsite Support

Overall Coordination: Michiko Katagami ([mkatagami@adb.org](mailto:mkatagami@adb.org))

Alternate: Leah Arboleda ([larboleda@adb.org](mailto:larboleda@adb.org))

Logistics: Minako Matsukawa ([minako.matsukawa1005@gmail.com](mailto:minako.matsukawa1005@gmail.com))

### ADB Support

Visa and Flights: Mary Jane L. Romero ([mjromero.consultant@adb.org](mailto:mjromero.consultant@adb.org))

Alternate Support: Maria Angela M. Banaria ([mbanaria@adb.org](mailto:mbanaria@adb.org))

Alternate Support: Sandy Sureta ([ssureta.contractor@adb.org](mailto:ssureta.contractor@adb.org))