



Mobilizing Investment for Resilient and Low Emission Agrifood Systems in Asia through Carbon Markets

Regional Workshop

Dates: 16-18 September 2024

Venue: JW Marriott Hotel, 4 Sukhumvit Road Soi 2, Bangkok, Thailand

Background and context

The first-ever global stocktake (GST), a key part of the Paris Agreement's ambition ratcheting mechanism, was central to the United Nations Framework Convention on Climate Change (UNFCCC) 28th Conference of Parties (COP 28) in 2023. In Dubai, the GST negotiating text recognized the importance of safeguarding food security and the paramount role of agrifood systems in addressing climate change. Nevertheless, food was only mentioned in the GST preamble and adaptation section, and was not featured in the mitigation section, indicating that little progress has been made on mitigation in agrifood systems. The GST text also noted that full implementation of the latest Nationally Determined Contributions (NDCs) puts the world on track for a global temperature increase in the range of 2.1 to 2.8°C, indicating that significantly greater emissions reductions are required.

Article 6 of the Paris Agreement, a global mechanism to attract private investment and encourage voluntary cooperation among Parties, can offer significant benefits to bridging the substantial emissions gap and financial gap. It is estimated that employing Article 6 cooperation to achieve NDCs may save over US\$300 billion per year in 2030 compared to independent NDC implementation by individual countries. If those savings were reinvested, emissions mitigation could be more than doubled.

The Food and Agriculture Organization of the United Nations (FAO) is implementing a Technical Cooperation Programme entitled, *"Strengthening capacity of policy makers to mobilize investment for resilient and low emission agrifood systems in Asia under Article 6 of the UNFCCC Paris Agreement,"* in which Cambodia, Philippines, Thailand and Viet Nam are participating. Under this programme, FAO in partnership with the Institute for Global Environmental Strategies (IGES) and development partners are organizing a regional workshop to discuss opportunities created by Article 6 and voluntary carbon markets (VCMs) for raising NDC



ambition and closing financing gaps to implement NDCs and Long-Term Strategies (LTS). The workshop will engage other countries in the region as well and facilitate discussion of challenges faced by agrifood system stakeholders in accessing carbon markets. Further, it will explore country-specific approaches for developing Article 6 and VCM mitigation opportunities to unlock carbon finance for agrifood systems and enhance preparedness for participating in Article 6 and VCMs.

Objective

The workshop will empower stakeholders' participation in carbon markets by illustrating country-specific approaches for development of Article 6 and VCM opportunities to unlock carbon finance for agrifood systems; showcasing progress and gaps in carbon market readiness; and providing deep-dive capacity building training on key topics relevant for agrifood system stakeholders. Outcomes from the workshop will inform development of national readiness roadmaps for agrifood systems and Article 6 participation.

Outcomes

- Improved awareness of the mitigation opportunities created by Article 6 and VCMs to unlock carbon finance for agrifood systems.
- Shared experience of agrifood system stakeholders in carbon markets, including challenges and solutions to mobilize finance and capacity building needs to empower stakeholders in carbon market participation.
- Collective insights for the development of national readiness roadmaps for agrifood systems and Article 6 participation.

Expected participants

- Government focal points from Cambodia, India, Indonesia, Philippines, Thailand, Viet Nam and other countries, including representatives from Ministries of Agriculture, Ministries of Environment and national greenhouse gas (GHG) registries.
- Collaborating and contributing partners including the UNFCCC RCC for Asia-Pacific, ecosecurities, Sustainable Rice Platform (SRP), World Business Council on Sustainable Development (WBCSD), ASEAN Climate Resilient Network (ASEAN-CRN), International Rice Research Institute (IRRI), World Bank, Food and Agriculture for Sustainable Transformation (FAST) Partnership, U.S. Agency for International Development (USAID), Article 6 partner countries, civil society organizations and private sector stakeholders.

Programme at a glance

Day 1: Monday	Day 2: Tuesday	Day 3: Wednesday
<ul style="list-style-type: none"> • Introduction to Article 6 and voluntary carbon markets • Emerging carbon market opportunities for resilient, low emission agrifood systems • Technical needs and challenges for accessing carbon markets • Article 6 opportunities for the agrifood sector • Reception dinner 	<ul style="list-style-type: none"> • Voluntary carbon market opportunities for the agrifood sector • Tools and approaches to support carbon market project planning and MRV for resilient, low emission agrifood systems • Deep-dive sessions on carbon market opportunities and solutions to shared challenges 	<ul style="list-style-type: none"> • Strengthening regional collaboration to mobilize carbon finance toward agriculture sector targets in NDCs, LTS and national strategies and plans • Country breakout groups – enhancing readiness to participate in Article 6 and VCMs • Individual consultations to advance opportunities and next steps



Workshop Agenda

Day 1: Monday 16 September		Emcee: Ariel Yu, IGES
8:30-9:00	Registration – room Sukhumvit II on the 3 rd floor	
Welcome and introduction		
9:00-9:20	Welcome remarks and workshop objectives <ul style="list-style-type: none">Mr. Beau Damen, Natural Resources Officer, Regional Office for Asia and the Pacific, FAOMs. Julie Amoroso-Garbin, Regional Lead, UNFCCC-IGES Regional Collaboration Centre for Asia and the Pacific (RCC-AP)Dr. Piyarat Thammakijjawat, Director of Biotechnology Research and Development Office, Department of Agriculture, Ministry of Agriculture and Cooperatives, Thailand	
9:20-10:00	Setting the scene – Introduction to Article 6, voluntary carbon markets (VCMs) and regional developments related to agrifood systems <ul style="list-style-type: none">Article 6 introduction and regional overview – Mr. Jens Radschinski, Article 6 and Carbon Pricing Expert, RCC-APVCM introduction and regional overview – Mr. Alexis Massot, Carbon Policy and Markets Specialist, ecosecurities	
10:00-10:30	Participant introductions – facilitated by Ms. Ariel Yu, IGES Regional Centre in Bangkok	
10:30-11:00	Photo and coffee break	
Session 1: Emerging carbon market opportunities for resilient, low emission agrifood systems		
11:00-12:30	<p>This session will highlight emerging opportunities associated with Article 6 and VCMs to mobilize finance and investment for resilient and low emission agrifood systems in Asia. Panel members will share initial remarks followed by questions and discussion.</p> <p>Moderator: Mr. Beau Damen, Natural Resources Officer, FAO</p> <p>Panel members:</p> <ul style="list-style-type: none">Ms. Vicky Janssens, General Manager Southeast Asia, KliK FoundationMr. Animesh Shrivastava, Lead Agriculture Economist, World BankMs. Tarida Dalia, Standard and Assurance Officer, Sustainable Rice Platform (SRP)Ms. Katherine Nelson, Climate Change Scientist, International Rice Research Institute (IRRI)Ms. Imelda Bacudo, Climate Finance and Engagement Specialist, FAO	
12:30-14:00	Working lunch – Sukhumvit View and Sukhumvit III on the 3 rd floor	
Session 2: Technical needs and challenges for accessing carbon markets		
14:00-15:30	<p>This session will feature country government perspectives on opportunities, needs and challenges related to accessing Article 6 and voluntary carbon markets to mobilize investment for resilient, low emission agrifood systems and to advance agriculture sector priorities and NDC targets. Panel members will give initial presentations followed by questions and discussion.</p> <p>Moderator: Ms. Imelda Bacudo, Climate Finance and Engagement Specialist, FAO</p>	



14:00-15:30	Presenters and panel members: <ul style="list-style-type: none"> • Dr. Theerawut Chutinantakun, Department of Agriculture, Ministry of Agriculture and Cooperatives, Thailand • His Excellency Kop Roly, Under Secretary of State, Ministry of Environment, Cambodia • Assistant Secretary U-Nichols A. Manalo, Department of Agriculture, Philippines • Dr. Tran Van The, Deputy Director General, Institute of Agricultural Environment, Viet Nam • Mr. Sanjoy Ghosh, General Manager, Department of Climate Action and Sustainability, National Bank for Agriculture and Rural Development (NABARD), India • Mr. Noor Avianto, Senior Planner, Directorate of Food and Agriculture, Ministry of National Development Planning, Indonesia
15:30-16:00	Coffee break
Session 3: Article 6 opportunities for the agrifood sector and how to participate	
16:00-17:30	<p>This session will provide an overview of Article 6 negotiations, the institutional and regulatory framework for participating in Article 6, and opportunities and gaps in Southeast Asia to mobilize carbon finance under Article 6 to support the achievement of agriculture sector targets in NDCs, LTS and related national strategies and plans. It will also engage an expert panel of to discuss key questions and the potential for countries to exchange emission reductions and removals through bilateral agreements as envisioned by Article 6.</p> <p>Presenters and moderator: Mr. Perumal Arumugam, Mitigation Division Manager, UNFCCC Secretariat; Mr. Jens Radschinski, Article 6 and Carbon Pricing Expert, RCC-AP; and Mr. Chatthep Chanyam, Technical Officer, IGES</p> <p>Presentations:</p> <ul style="list-style-type: none"> • Article 6 negotiations and COP29 outlook • Institutional and regulatory framework for participating in Article 6 • Article 6 opportunities and challenges for the agrifood sector in Southeast Asia <p>Panel members:</p> <ul style="list-style-type: none"> • Ms. Vicky Janssens, General Manager Southeast Asia, KliK Foundation • Mr. Kentaro Takahashi, Deputy Director, Office of International Carbon Market, Ministry of Environment, Japan (<i>joining remotely</i>) • Mr. Masato Nagai, Director, International Strategy Division, Export and International Affairs Bureau, Ministry of Agriculture Forestry and Fisheries, Japan (<i>joining remotely</i>) • Mr. Robbie McCrea, Senior Policy Analyst, Ministry of Primary Industries, New Zealand
17:30-18:00	Day 1 closing (with a quiz) – Mr. Beau Damen, Natural Resources Officer, FAO
18:30-21:30	Reception dinner – Sukhumvit View and Sukhumvit III on the 3 rd floor

Day 2: Tuesday 17 September		Emcee: Mikell O’Mealy, FAO
8:30-9:00	Registration – room Sukhumvit II on the 3 rd floor	
9:00-9:15	Day 1 review and Day 2 workshop objectives – Ms. Mikell O’Mealy, Climate Strategy and Finance Expert, FAO	

Session 4: Voluntary carbon market opportunities for the agrifood sector and how to participate

9:15-10:45	<p>This session will highlight key opportunities to mobilize finance through VCMs to support achievement of agriculture sector targets in NDCs, assess country readiness to participate in VCMs, and introduce draft VCM design briefs for agriculture sector projects. It will also engage an expert panel to discuss key questions related to VCMs, such as how smallholder farmers can participate and benefit from carbon finance, including through farmers organizations and innovative private sector initiatives.</p> <p>Presenter and moderator: Mr. Alexis Massot, Carbon Policy and Markets Specialist, ecosecurities</p> <p>Presentations:</p> <ul style="list-style-type: none"> • VCM opportunities for agrifood systems in Southeast and South Asia • Assessment of country readiness to access VCMs for agriculture • Preview of draft VCM design briefs for agriculture sector projects, including enhanced rice field cultivation, agroforestry, livestock management, waste and biogas, and biochar <p>Panel discussion:</p> <ul style="list-style-type: none"> • Mr. Phil Cull, President and CEO, Ostrom Climate Solutions • Mr. Kaushal Bisht, Lead Partnerships & Strategic Alliances, Varaha • Ms. Sangeeta Dawar, Lead Government Affairs, Bayer Crop Science (<i>joining remotely</i>) • Mr. Siem Schreurs, Fintech & Partnerships, RIZE • Mr. Thanh Phan Tien, Representative, Green Carbon Vietnam (<i>joining remotely</i>)
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10:45-11:15 Coffee break

Session 5: Tools and approaches to support carbon market project planning and MRV for resilient, low emission agrifood systems

11:15-12:30	<p>This session will highlight tools and approaches to support planning, design and monitoring, reporting and verification (MRV) of carbon market projects in the agriculture sector.</p> <p>Moderator: Mr. Russ Cullinane, International Expert on Carbon Finance, FAO</p> <p>Panel members:</p> <ul style="list-style-type: none"> • Ms. Laure-Sophie Schiettecatte, Climate Change Specialist, Office of Climate Change, Biodiversity and Environment, FAO (<i>joining remotely</i>) • Mr. Bjoern Ole Sander, Representative to Thailand, IRRI • Ms. Devon Long, General Manager, Asia Pacific, Regrow Ag (<i>joining remotely</i>) • Mr. David Chen, CEO, and Ms. Qian Yu Ho, Head of Projects, AgriG8 (<i>joining remotely</i>) • Mr. Anirudh Keny, Director of Business Development & Partnerships, Boomitra (<i>joining remotely</i>) • Mr. Vassily Carantino, Co-founder and CEO, CarbonFarm
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12:30-14:00 Working lunch – Sukhumvit View and Sukhumvit III on the 3rd floor

Session 6: Deep dive sessions on carbon market opportunities and solutions to shared challenges

14:00-15:15	<p>Deep dive breakout sessions will enable participants to further explore carbon market opportunities and to share and discuss solutions for addressing common challenges. Two rounds of the following breakout sessions will be held.</p> <p>A. Article 6 opportunities for the agriculture sector in Southeast Asia and country readiness needs: IGES and RCC-AP – providing training on authorization and the development of an Article 6 positive/negative list for the agriculture sector</p>
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15:15-15:45	Coffee break
15:45-17:00	<p>Round 2 of deep dive sessions</p> <p>The same deep dive breakouts will be offered again in this slot, enabling participants to attend two selected breakouts during session 6.</p>
17:00-17:45	<p>Sharing insights, learning and recommendations</p> <p>Participants will reconvene in plenary and representatives from each deep-dive session will summarize key insights, learnings and recommendations from the session, followed by discussion.</p> <p>Moderator: Ms. Mikell O’Mealy, Climate Strategy and Finance Expert, FAO</p>
17:45-18:00	Day 2 closing (with a quiz) – Mr. Beau Damen, Natural Resources Officer, FAO

Day 3: Wednesday 18 September		Emcee: Ariel Yu, IGES
8:30-9:00	Registration – room Sukhumvit II on the 3 rd floor	
9:00-9:15	Day 2 review and Day 3 workshop objectives (with an icebreaker or energizing activity) – Ms. Ariel Yu, Deputy Director, IGES Regional Centre in Bangkok	
Session 7: Strengthening regional collaboration to mobilize carbon finance toward agriculture sector targets in NDCs, LTS and national strategies and plans		
9:15-10:30	<p>This session will share experience from regional and global networks working to mobilize finance from carbon markets for resilient, low emission agrifood systems.</p> <p>Moderator: Mr. Beau Damen, Natural Resources Officer, FAO</p> <p>Panel members:</p> <ul style="list-style-type: none">• Ms. Amber Sharick, Sustainable Finance Specialist, IRRI• Mr. Barry Flaming, Chief of Party, USAID Partnerships for Green Investment (USAID PAGI)• Mr. Jisu Min, Thailand Country Representative and ASEAN Program Development Lead, Global Green Growth Institute (GGGI)• Dr. Alicia Ilaga, ASEAN Climate Resilient Network (ASEAN-CRN) and Director, Climate Resilient Agriculture Office, Department of Agriculture, Philippines• Mr. Tobias Breunig, Agricultural Finance Advisory, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH• Ms. Marlene Ramirez, Secretary General, Asia Partnership for the Development of Human Resources in Rural Areas (AsiaDHRRA)	



10:30-11:00	Coffee break
Session 8: Country breakout groups – enhancing agriculture sector readiness to participate in Article 6 and VCMs	
11:00-12:30	<p>Reflecting on the prior sessions and opportunities for enhanced collaboration, countries and partners will identify priority needs, opportunities and next steps to enhance country-level readiness for accessing Article 6 and VCMs to mobilize finance for resilient, low emission agrifood systems. Participants will work country breakout groups using a provided template and then reconvene in plenary for report-outs and discussion. Needs and opportunities identified will inform the development of readiness roadmaps for agrifood systems and Article 6 participation.</p> <ul style="list-style-type: none"> • 11:00-11:45: Work in country breakout groups • 11:45-12:30: Reconvene in plenary to report out from each group and discuss priority needs and opportunities to enhance agriculture sector readiness for Article 6 and VCMs <p>Moderator: Mr. Jens Radschinski, Article 6 and Carbon Pricing Specialist, RCC-AP</p>
12:30-14:00	Working lunch – Sukhumvit View and Sukhumvit III on the 3 rd floor
Session 9: Matchmaking for individual consultations to advance carbon market opportunities and next steps	
14:00-15:00	<p>Participants will be invited to sign up for 30-minute slots with partners and countries offering individual consultations to further discuss needs, opportunities and next steps from the workshop.</p> <p>Format: Partners and countries available for individual consultations will each give a brief description of the consultation they are offering. Participants will then sign up for 30-minute individual consultations to occur in Session 10.</p> <p>Partners available for consultations: FAO, IGES, ecosecurities, IRRI, SRP, USAID PAGI, Article 6 partner countries, private sector representatives, civil society organizations and others</p> <p>Moderator: Ms. Mikell O’Mealy, Climate Strategy and Finance Expert, FAO</p>
15:00-15:30	<p>Closing remarks</p> <ul style="list-style-type: none"> • Mr. Beau Damen, Natural Resources Officer, FAO • Mr. Jun Ichihara, Director, IGES Regional Centre in Bangkok
15:30-16:00	Coffee break
Session 10: Individual consultations between interested participants	
16:00-18:00	<p>Participants will meet for individual consultations based on sign-ups from Session 9.</p> <p>Format: Four 30-minute slots for individual consultations in small groups</p> <ul style="list-style-type: none"> • 16:00-16:30: consultation slot 1 • 16:30-17:00: consultation slot 2 • 17:00-17:30: consultation slot 3 • 17:30-18:00: consultation slot 4
18:00	Adjourn