

# Climate Action for Agriculture in Asia

Strengthening the role of scientific foresight and CSA in addressing NDC priorities

10-12 October 2017

Viengtai Hotel

Bangkok, Thailand

## Background

The commitment period for the Paris Agreement in 2020 is fast approaching. In 2018, the UNFCCC will be organizing a Facilitative Dialogue (FD 2018) to take stock of *collective efforts* of Parties in support of achieving the 2°C target and to inform the preparation of Parties' Nationally Determined Contributions (NDCs). The agriculture and land-use sectors, comprising crops, livestock, fisheries, aquaculture and forestry, feature prominently in the NDCs of most developing countries. Asia is no exception. Most developing countries in the region have identified measures to both strengthen the resilience of the agriculture sectors and reduce emissions from agriculture and land-use activities as part of their NDCs.

To date, there has been little assessment of what the achievement of the NDC priorities will mean at the national or regional levels in the short, medium and long term, including potential gains and trade-offs within and between sectors. In this context, the lead up to FD 2018 provides an excellent opportunity for key actors involved in the preparation and implementation of NDCs to

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reflect on progress to date with agriculture and land-use sector-specific priorities and identify ways to better prepare for the Paris commitment period.

Developing actions at scale to achieve the NDC targets in the priority areas will require renewed investment in agriculture and more sustainable land use practices. Private sector entities, comprising farmers at all scales, small and medium agribusinesses and large commodity producers and traders make up the largest investors in the agriculture and land-use sectors. The challenge for government is to put in place the systems, incentives and regulations that can channel private sector investment toward low-emission, climate-resilient and inclusive agriculture business models consistent with their broader NDC priorities. Already some countries in Asia have been drawing upon mechanisms such as Public-Private Partnerships (PPP) and multilateral climate finance to help catalyze the necessary investments.

Five developing countries<sup>1</sup> from South and South East Asia have specifically highlighted CSA in their NDCs in acknowledgement of the potential benefits of integrated approaches for enhancing productivity, strengthening resilience and reducing emissions in the agriculture and land-use sectors and more are relying on CSA as drivers of their agricultural development programs. CSA provides new opportunities for multi-stakeholder engagement along the different stages of agriculture value chains, opening up new arenas for investment, innovation and technology dissemination. At the same time, in order to successfully achieve the implementation of NDC targets, it will be important to understand the trade-offs across various CSA policy and implementation scenarios under different timeframes (short, medium and long-term). Foresight modelling tools can play a central role in supporting decision-makers mapping policy options and understanding their respective implications.

FAO and partner organizations including the United States Agency for International Development (USAID), ASEAN Climate Resilience Network (ASEAN CRN), GIZ, the International Centre for Tropical Agriculture (CIAT), Global Alliance for Climate Smart Agriculture (GACSA) and the World Business Council for Sustainable Development (WBCSD) are willing to support countries in the region to link CSA investments to NDCs and climate finance based on regional and global best practice and knowledge.

## Purpose

The FAO Regional Office for Asia and the Pacific with the support of the USAID funded Climate Economic Analysis for Development, Investment and Resilience (CEADIR) Activity, ASEAN CRN, GIZ, CIAT, GACSA and WBCSD is organizing a regional event on “Climate Action for Agriculture in Asia: Strengthening the role of scientific foresight and CSA in addressing NDC priorities.” The event follows a regional workshop held in Bangkok in March 2017, on “Convening Private Sector Investment in Climate Smart Commodity Production in Southeast Asia,” which was organized by USAID with support from FAO and the Asia LEADS Partnership.

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<sup>1</sup> FAO (2016). The Agriculture Sectors in the Intended Nationally Determined Contributions. Thirty-two (32) developing countries (mainly least developing countries) reference CSA in their INDC/NDCs of which five are in South and South East Asia.

The overarching purpose of the event will be to strengthen the capacities of countries in Asia to achieve their NDC targets for the agriculture and land-use sectors, through improved use of scientific information in sector planning and enhanced public and private sector engagement in accelerating CSA investments.

## Outcomes

The workshop is expected to have the following outcomes:

1. Enhanced understanding of the valuable role that CSA could play in achieving the climate change mitigation and adaptation priorities highlighted in the NDCs of Asian countries and strengthening actions in the agriculture and land-use sectors under the Paris Agreement, through the use of foresight modelling;
2. Improved capacity for sector-level engagement in national preparations for UNFCCC FD 2018 and COP23;
3. Clearer vision and strategy to accelerate public and private investment to address NDC priorities for the agriculture and land-use sectors; and
4. Identification of current gaps to strengthen foresight analysis for future policy and implementation needs under different scenarios, and preparation of preliminary plans to overcome them.

## Outputs

The workshop is expected to generate the following outputs:

- Country-specific pre-2020 Roadmap for sector-level engagement in addressing the NDC targets for agriculture and land-use sectors (including public and private actors);
- Country-specific strategies for private sector engagement, including recommended priority actions by key government entities and next steps for implementation;
- Country-specific findings on the role and importance of climate finance and stakeholder engagement in accelerating adoption of and investment in NDC action plans; and
- A report and brief summary of the key findings of the event.

## Target Participants

The scope of the event is for countries in Asia participating in the FAO Regional Technical Cooperation Project (TCP) *“Addressing the 2030 Agenda on Climate Change and Food Security through Climate Smart Agriculture”*. Targeted participants from each country<sup>2</sup> will include:

- Representatives from Ministries of who lead the development of sector plans and targets for climate-smart lower-emission production and have knowledge of how sector plans link to national climate strategies such as Nationally Determined Contributions (NDC);

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<sup>2</sup> The target countries for this project are Bangladesh, Lao, Myanmar, Vietnam, Cambodia and the Philippines. In addition, Thailand and Indonesia will also be joining the workshop. Government representatives of the ASEAN CRN network will also be invited to attend.

- Representatives from Ministries of Environment involved in developing implementation and monitoring plans for NDCs and developing investment pipelines for international climate finance mechanisms such as the Green Climate Fund;
- Representatives of Ministries of Finance or national development banks involved in developing budget allocations and investment strategies for the agriculture and land use sectors.

In addition, approximately 20 resource persons from NGOs, CSO, and think tanks will participate.

## Tentative Agenda

Time	Session	Speakers
<b>Day 1: Tuesday 10 October 2017</b>		
<b>SESSION 1: PROGRESS SINCE PARIS – PERSPECTIVES FOR AGRICULTURE</b>		
08:30-09:00	<b>Registration</b>	
09:00-09:15	<b>Opening remarks</b>	Jongjin Kim FAO Deputy RR
09:15-09:30	<b>Welcome, Background to the meeting and Objectives</b>	Beau Damen FAO
09:30-10:40	<p><b>Briefing Session: Significance of the Paris Agreement (PA) for the Agriculture and Land-Use Sectors</b></p> <p>Description: During this session, a panel of experts will discuss the following topics:</p> <ul style="list-style-type: none"> <li>• The agriculture and land-use sectors in the negotiation process,</li> <li>• The Paris Agreement: Key elements, implementation process, and progress to date</li> <li>• Preparing for the UNFCCC Facilitative Dialogue 2018 (FD 2018)</li> <li>• ASEAN Common Positions on Agriculture</li> <li>• The NDCs of Asian countries: The place of agriculture and adaptation/mitigation/CSA related actions</li> <li>• Developing/adapting national strategies, plans and programmes to support sector-level implementation of NDC targets for agriculture and land-use sectors (incl. NAPs, NAMAs, Agricultural Development Programs, etc.)</li> </ul> <p>This will be followed by a Q&amp;A and discussion session.</p>	<p>Imelda Bacudo GIZ</p> <p>Jens Radschinski UNFCCC</p> <p>Margaret Yoovatana ASEAN CRN</p> <p>Beau Damen FAO</p>
10:40-11:10	<i>Group Photo + Coffee Break</i>	
11:10-12:30	<p><b>Interactive Session: Progress since Paris in Addressing NDC Priorities for Agriculture and Land-use</b></p> <p>Description: Country representatives will report on strategies, plans and programmes developed to support sector-level implementation of NDC priorities for agriculture and land-use sectors. Facilitators will provide support and help guide the presentations and discussion session that will follow.</p>	Beau Damen FAO
12:30-13:30	<i>Lunch</i>	

Time	Session	Speakers
<b>SESSION 2: ROLE OF CLIMATE SMART AGRICULTURE (CSA) IN ACHIEVING THE NDCS</b>		
13:30-14:15	<p><b>Briefing Session: Agriculture in the NDCs and the Role of CSA</b></p> <p>Description: The session will encompass a series of brief presentations and examples on</p> <ul style="list-style-type: none"> <li>• Overview of agriculture in the NDCs and the role of CSA</li> <li>• Relevance of CSA in reducing climate change vulnerabilities, and multi-stakeholder knowledge platform in promoting and disseminating CSA</li> <li>• Tailoring CSA interventions to national and local contexts: The CSA country profiles in South and Southeast Asia</li> </ul> <p>This will be followed by moderated Q&amp;A between participants and speakers.</p>	<p><i>Beau Damen</i> <b>FAO</b></p> <p>Marwan Ladki <b>FAO - GACSA</b></p> <p>Margaret Yoovatana <b>DoA, Thailand</b></p> <p>Godefroy Grosjean <b>CIAT</b></p>
14:15-15:15	<p><b>Panel Discussion: Country Perspectives on Scaling up CSA</b></p> <p>Description: The session will include a question based panel discussion among experts who will bring in important perspectives on,</p> <ul style="list-style-type: none"> <li>• Enabling environment for scaling up CSA</li> <li>• Youth in CSA</li> <li>• Scaling up of successful grassroots model to national scale</li> <li>• Best practices of climate resilient agriculture</li> </ul> <p>This will be followed by moderated Q&amp;A between participants and panelists</p>	<p><i>Peter Ettema</i> <b>MPI, New Zealand</b></p> <p>Chu Van Chuong <b>MARD, Vietnam</b></p> <p>Aulia Damayanti <b>CSAYN, Indonesia</b></p> <p>Hazel Tanchuling, <b>RWAN, Philippines</b></p> <p>Miranti Ariani <b>IAERI, Indonesia</b></p>
15:15-15:45	<i>Coffee Break</i>	
15:45-16:30	<p><b>Panel Discussion: Partners' Perspectives on Support for Scaling up CSA</b></p> <p>Description: The session will include a panel discussion where panelists will respond to a question / issue raised during the preceding panel discussion on country perspectives for scaling up CSA.</p> <p>This will be followed by moderated Q&amp;A between participants and panelists</p>	<p><i>Imelda Bacudo</i> <b>GIZ</b></p> <p>Sue Kyoung Lee, <b>APCC</b></p> <p>Bjoern Ole Sander <b>IRRI</b></p> <p>Tony Siantonas <b>WBCSD</b></p> <p>Mikell O'Mealy <b>USAID-funded CEADIR Activity</b></p> <p>Marwan Ladki <b>FAO - GACSA</b></p>
16:30-17:15	<b>Interactive Session: Knowledge and Strategy Gaps for a Pre-2020 NDC Roadmap for the Agriculture and Land Use Sectors</b>	

Time	Session	Speakers
	<p>Description: Based on the previous session, where countries reported their progress in achieving the NDC targets, facilitators will guide country groups to reflect and identify the current state of knowledge that countries are at and what they need to know in the future in order to develop strategies and programs for designing their NDC roadmaps and as well to achieve the NDC goals and targets.</p>	<p><i>Beau Damen</i> <b>FAO</b></p>
17:15-17:30	<p><b>Wrap-up - Summary of the Day 1 and Evaluation</b></p> <p>Description: A short summary and other announcements followed by Day 1 evaluation by participants.</p>	<p><i>Beau Damen</i> <b>FAO</b></p>
<b>Day 2: 11 October 2017, Wednesday</b>		
<b>SESSION 3: CLIMATE ACTION IN AGRICULTURE THROUGH DEVELOPMENT OF FORESIGHT MODELLING AND SCENARIO ANALYSIS</b>		
08:00-08:30	<b>Registration</b>	
08:30-10:30	<p><b>Briefing Session : Climate Change and Land Use and Implications of the Paris Agreement: Setting the Scene with Foresight Modelling</b></p> <p>Description: During this session, experts in foresight modelling will inform participants about the current scientific knowledge available for understanding the impacts of climate change on agriculture and land use sector. The important topics to be covered will include:</p> <ul style="list-style-type: none"> <li>• Current and projected impacts at both global and regional levels with and without the NDC targets</li> <li>• Consequences of socio-economic development</li> <li>• Adaptation and mitigation potentials of current actions</li> <li>• Areas of uncertainties and gaps in knowledge</li> <li>• Implications of achieving the Paris Agreement in terms of emissions reduction globally, regionally, nationally and per sector</li> </ul> <p>This will be followed by a Q&amp;A and discussion session.</p> <p><b>Presentation(s):</b> CIAT, Potsdam Institute for Climate Impact Research (PIK), International Institute for Applied Systems Analysis (IIASA), University of Utrecht/CCAFS and Ag MIP</p>	<p><i>Peter Laderach</i> <b>CIAT</b></p> <p>Aline Mosnier <b>IIASA</b></p> <p>Steven Prager <b>CIAT</b></p> <p>Rathana Peou <b>CCAFS / Utrecht University</b></p> <p>Toshihiro Hasegawa <b>AgMIP</b></p>
10:30-11:00	<i>Coffee Break</i>	
11:00-12:30	<p><b>Interactive Session: Developing a Normative Vision for the Future of Agriculture</b></p> <p>Description: Using a participatory approach, participants will be guided through an exercise to review and further develop national and ASEAN/regional long-term visions for the agriculture sector. This will be inspired by policy priorities in the NDCs as well as relevant national development plans and strategies. The discussions will be aimed at identifying long-term quantifiable objectives for the sector.</p>	<p><i>Godefroy Grosjean</i> <b>CIAT</b></p> <p>Aline Mosnier <b>IIASA</b></p>
12:30-13:30	<i>Lunch</i>	



Time	Session	Speakers
13:30–15:30	<p><b>Interactive session: Identifying Strategies, Policies and Technologies to achieve the Normative Vision</b></p> <p>Description: Using a participatory approach, participants will be guided through an exercise to discuss, review and identify potential strategies, policies and technologies to achieve the objectives set in their long-term visions in the preceding session.</p>	<p><i>Godefroy Grosjean</i> <b>CIAT</b></p> <p>Felicitas Roehrig <b>CIAT</b></p>
15:30–16:00	<i>Coffee Break</i>	
16:00–17:00	<p><b>Interactive session: Actions and timeframes for a Pre-2020 NDC Roadmap for the Agriculture and Land Use Sectors</b></p> <p>Description: Drawing upon the discussions on CSA, foresight modelling and participatory scenario analysis, participants will discuss long-term objectives, actions and time frames and identify needs for technical, financial, or other assistance associated with the pre-2020 Roadmap to prepare for implementation of NDC priorities in the agriculture and land use sectors.</p>	<p><i>Beau Damen</i> <b>FAO</b></p>
17:00–17:30	<p><b>Wrap up</b></p> <p>Description: A short summary of day 2 activities and discussions followed by day 2 evaluation by the participants.</p>	<p><i>Beau Damen</i> <b>FAO</b></p>
<b>Day 3: 12 October 2017, Wednesday</b>		
<b>SESSION 4: ACCELERATING INVESTMENT</b>		
08:00-08:30	<b>Registration</b>	
08:30–09:45	<p><b>Briefing Session : Key Challenges and Priority Actions for Accelerating Private Sector Investment in CSA in Southeast Asia</b></p> <p>Description: During this session, presenters will summarize the highlights from a regional workshop held in Bangkok in March 2017, including key challenges, recommendations, and priority actions to accelerate private sector investment and finance, showcasing perspectives of public and private sector stakeholders.</p> <p>Findings will also be presented from a new study that developed country-specific recommendations for enhanced public-private sector engagement to increase CSA investment in Cambodia, Indonesia, Philippines, and Vietnam, aligned with country NDC targets.</p>	<p><i>Mikell O’Mealy</i> <b>USAID-funded CEADIR Activity</b></p> <p>Natcha Tulyasuwan <b>USAID-funded CEADIR Activity</b></p>
09:45–10:45	<p><b>Panel Discussion : Channeling Private Sector Investment Opportunities into CSA</b></p> <p>Description: A panel moderator will provide a brief introduction, including highlighting opportunities for bankable business models for climate-smart agriculture and forestry production, which if financed at scale, have the potential to significantly contribute to GHG emission reductions and to help countries achieve NDC targets. Representatives of leading private sector financial</p>	<p><i>Christy Owen</i> <b>USAID Green Invest Asia</b></p> <p>Arindom Datta <b>Rabobank</b></p>

Time	Session	Speakers
	institutions and companies will then share insights on opportunities for greater public-private sector coordination to help accelerate investment for climate-smart commodity production aligned with country NDC targets.	Rachel Zedeck <b>Control Union</b>  Paul Nicholson <b>Olam</b>
10:45–11:15	<i>Coffee Break</i>	
11:15–12:15	<p><b>Panel Discussion: Public Sector Sources of Funding and Investment for Inclusive Growth in the Agriculture Sector</b></p> <p>Description: This panel discussion will focus on key sources of national and international public sector funding and finance for agricultural development and action to address climate change risks. Panelists will include representatives of public sector financial institutions and international finance organizations to share their perspectives on current opportunities and future needs for upscaling CSA activities and for achieving NDC targets related to agriculture, forestry and land use.</p>	<p><i>John McGinley</i> <b>Mekong Strategic Partners</b></p> <p>Khondokar Millat <b>Central Bank, Bangladesh</b></p> <p>Edgardo Luzano <b>Land Bank of Philippines</b></p> <p>Ivo Mulder <b>UN Environment</b></p> <p>Prasun Kumar Das <b>APRACA</b></p>
12:15–13:15	<i>Lunch</i>	
13:15–14:30	<p><b>Interactive Session : Developing a Private Sector NDC Engagement Strategy</b></p> <p>Description: Based on priority commodities and CSA actions identified in the pre-2020 Roadmaps, participants will continue working in country-specific facilitated groups to identify needs and opportunities for public-private sector coordination to accelerate investment and finance for CSA, aligned with NDC priorities and targets. Interactive exercises will support groups in developing country-specific strategies for private sector engagement, including recommended priority actions by key government entities and next steps for implementation.</p>	<p><i>Mikell O’Mealy</i> <b>USAID-funded CEADIR Activity</b></p>
14:30–15:00	<i>Coffee Break</i>	
15:00–16:15	<p><b>Interactive Session: Roadmap to Reality - Catalyzing action and investment through Collaboration and Partnership</b></p> <p>Description: Countries will present their pre-2020 Roadmaps and private sector engagement strategies and identify concrete next steps that can be taken to turn their roadmaps into reality. Participants will be asked to suggest collaborations and partnerships that will support countries with their ongoing preparations for FD 2018 and the Paris Agreement commitment period.</p>	<p><i>Beau Damen</i> <b>FAO</b></p>
<b>SESSION 5: THE WAY FORWARD</b>		



Time	Session	Speakers
16:15-16:30	<b>Workshop Evaluation</b>	<i>Beau Damen</i> <b>FAO</b>
16:30-17::30	<b>Wrap up and closing of the workshop</b> <ul style="list-style-type: none"> <li>• Overview of the key messages from the workshop</li> <li>• Next steps for increasing investments in CSA through engaging the private sectors</li> </ul>	<i>Beau Damen</i> <b>FAO</b>