



RESEARCH PROGRAM ON
**Climate Change,
Agriculture and
Food Security**



**RPL South East Asia
2013 technical report**

1. Communications

Media campaigns:

Blogs:

Georgina Smith (CIAT-Vietnam) 2013. <http://ccafs.cgiar.org/blog/why-markets-need-be-part-climate-smart-solution#.UqqqvQW39s>

Georgina Smith (CIAT-Vietnam) 2013. <http://ccafs.cgiar.org/blog/climate-smart-road-map-global-rice-powerhouse>

Georgina Smith (CIAT-Vietnam). 2013. Decision makers debate climate threats for Southeast Asia. http://ccafs.cgiar.org/es/blog/decision-makers-debate-climate-threats-southeast-asia#.Usq_AdJDsrX

Georgina Smith (CIAT-Vietnam) 2013. Thinking outside the box on climate change. CIAT blog <http://www.ciatnews.cgiar.org/2013/11/07/thinking-out-of-the-climate-box/>

Georgina Smith (CIAT) 2013. The world in 2050: on the front line. CIAT blog. <http://www.ciatnews.cgiar.org/2013/11/12/the-world-in-2050-on-the-front-line/>

Websites:

Georgina Smith (CIAT). 2013. Looking for clues to navigate climate uncertainty. REUTERS Trustnet, 31 Oct 2013. <http://www.trust.org/item/20131031114340-4a2gc>

FAO, 1 Nov 2013. UN Website: <http://www.un.org.vn/en/fao-agencypresscenter1-96/2877-fao,-ccafs-and-unep-support-the-government-of-vietnam-in-developing-regional-socio-economic-scenarios-for-climate-smart-agriculture.html>

Georgina Smith (CIAT). 2013. Looking at 2050 to create better policy today. REUTERS Trustnet, 18 November <http://www.trust.org/item/20131118114746-tkjes>

Social media campaigns:

Newsletters:

Events:

Convergence Meeting CGIAR R4D Collaboration for Climate Change in Southeast Asia, Sponsor: CCAFS Regional Program for Southeast Asia; Participants: CGIAR CCAFS focal persons and selected partners and donors ; Date/Venue: 11-13 December 2013; Grand Mercure Fortune Hotel, Bangkok, Thailand.

Videos and other multimedia:

<http://www.youtube.com/watch?v=9oKMhBs0meY>

Other communications and outreach:

Discussions with key persons involved in policy making on climate change for agriculture were initiated in Vietnam, Cambodia and Philippines. Contact were also made in Myanmar and Indonesia.

9. Synthesis report

Provide a synthesis of research activities at CCAFS sites

CCAFS-SEA region was added to the CCAFS portfolio in 2012 and full operation commenced in mid-September 2013 with the a fulltime regional program leader assuming his post. Even as the CCAFS regional office for SEA has just started, the centers reports and presentations during the convergence meeting(December 2013) showed good progress of on-going CGIAR climate change research in the region. These are as follows: Bioversity. R4D projects include: (1) Seeds for Need in Cambodia, Lao PDR and PNG; and (2) Capacity building for effective implementation of the ITPGRFA: National agencies in Cambodia, Lao PDR, Indonesia, Myanmar, Philippines and Vietnam; (3) Resilient seed systems: A resource box. CIAT: R4D projects include: (1) Potential impact of climate change on land use in Lao PDR; (2) Climate change vulnerability analysis; (3) Developing eco-efficient metrics for smallholder agricultural systems in SEA; and (4) Adaptation and mitigation potential of integrated smallholder crop-livestock farming systems in light of climate change.CIP. R4D projects include: (1) Genetic enhancement and seed management for late blight-virus resistance, drought-heat tolerance, nutritional quality improvement and sustainable cropping systems (potato); (2) Use-diversification & value addition through optimized feed utilization, dual-purpose (food + feed) variety development and livelihood diversification and value chain improvement for biotic/abiotic stresses (potato);and (3) Food Security through Asian roots and tubers.ICRISAT. R4D projects include: (1) Scaling-up and sustaining the benefits of improved watershed management in China, Thailand and Vietnam; (2) Assessing on-site impacts of improved watershed management; and (3) Improving livelihoods of rural poor in rainfed areas in the Philippines.IFPRI. Most of the current work in SEA combines crop models, global partial equilibrium models, land-use change models to assess the economic effects of climate change and global market trends, alternative development pathways, climate change mitigation and adaptation opportunities and their economic implications. Planned work (which builds upon current projects in other regions) includes combination household surveys, crop model, land use model to determine future alternative landscapes and their economic, mitigation/adaptation characteristics.IRRI. R4D projects include: (1) Climate-informed crop management (mobile phone application); (2) Building resilience to climate variability and shocks in rice-based systems of SEA through collaboration with NARS; (3) Measurement, reporting, verification and providing technical information for mitigation policies; (4) Measuring mitigation potential in smallholder systems at whole-farm and landscape scales; and (5) Policy information and response platform on climate change and rice in ASEAN.IWMI. R4D projects include: (1) Enhancing the resilience and productivity of rainfed dominated systems in Lao PDR through sustainable groundwater use; (2) Mitigating major floodwater impacts in Asia: The subsurface solution for damage control and livelihood enhancement; (3) Sustainable management of water to improve food security and livelihoods in the dry zone of Myanmar; (4) Optimizing reservoir management for livelihoods; (5) Optimizing water resource development for poverty alleviation: Combining built and natural infrastructure; (6) Coffee water productivity in the central highlands of Vietnam; (7) Opportunities for economic incentives to promote sustainable land and water management in the sloping lands of South and Southeast Asia; and (8) Opportunities to improve the sustainable utilization and management of soil and water resources for coastal agriculture in Vietnam and Australia. World Agro-Forestry Center. R4D projects include: (1) Bioclimatic stratification in the Asian highlands; (2) Design of a pilot carbon finance project and carbon accounting methodology on the Qinghai-Tibetan Plateau; (3) Development of an Asian highlands knowledge platform; (4) Local adaptation and livelihoods in Upper Salween-Mekong River; (5) Climatic risk of rubber expansion in SEA.WorldFish Center . R4D projects include: (1) Building capacity for integrating climate change adaptation in fisheries sector in Cambodia; (2) Economic analysis of climate change adaptation strategies in selected coastal areas of Indonesia, Philippines and Vietnam; (3) Community-based fisheries management in post-tsunami Aceh, Indonesia: Diagnosis, planning and options testing. CCAFS (Sheinkman-Theme 2) implemented an initiative that synergized seasonal climate forecasts, bio-physical crop models and econometric

models with household food security using climate risk management like the Integrated Modeling of Climate, Agriculture, and Socio-Economic impacts (IMCASE). The collaboration involved CIAT, CIMMYT, IRRI, FAO, RIMES and related climate and agriculture agencies in the Philippines. Likewise, scenarios developed for SEA to 2050 with key regional stakeholders capturing how key socio-economic and governance uncertainties affect food security, environments and livelihoods in the region were also presented. These scenarios can help review and guide agricultural, food security, adaptation and/or mitigation policies and investments. They can also be used to test the feasibility of research recommendations including technologies and strategies under different socio-economic/governance futures. The regional scenarios workshop (Rathana, Joost) was sponsored by CCAFS, FAO-EPIC and UNEP-WMC. During the latter part of the year several studies and activities were also initiated with various partners. These activities are ongoing and their progress are described in another document.

Provide a synthesis of cross-center activities

There is limited cross Center interaction occurring.

Provide a synthesis of regional engagement and communications activities

Linkage were initiated with various sectors in the government and NGO in the focus countries (Vietnam, Laos, Cambodia) and other targeted countries (Philippines, Myanmar and Indonesia). Meetings with high level officials were initiated with the objective of inputting some of the CCAFS approaches into national plans and program. This engagement will be pursued in 2014 with more activities for this purpose. The region also promoted closer inter center collaboration through a convergence meeting that produced the preliminary list of priority activities for SEA and the tentative impact pathway.

Provide a synthesis of activities related to decision support systems and tools

There are several on-going global initiatives among centers in 2013 that may benefit SEA as well. Specifically in SEA, IRRI and CCAFS SEA started the development of a mobile phone applications for climate-informed rice crop management for rice farmers in Vietnam.