

SEARCA'S CLIMATE CHANGE-RELATED PROJECTS/INITIATIVES (2009-2015)

1. RESEARCH AND DEVELOPMENT AND TECHNICAL ASSISTANCE

Title	Duration/ Coverage	Objectives	Partner/Donor	Outputs	Status
1. Technical Assistance 8493 PHI: Climate Resilience and Green Growth in Critical Watersheds (46441-001)	April 2014 to October 2016	<ul style="list-style-type: none"> To demonstrate climate-resilient green growth options in critical watersheds in the lower Marikina River basin, Camarines Sur, and Davao Oriental, Philippines 	ADB Japan Fund for Poverty Reduction Philippine Climate Change Commission	<u>Expected Outputs</u> <ul style="list-style-type: none"> Baseline information and GIS maps of the three watersheds Current and projected vulnerability assessments in coastal, health, agriculture, water, forestry, and transportation and energy sectors Greenhouse gas (GHG) inventory Capacity building program covering GIS, cost benefit analysis (CBA) GHG inventory, adaptive capacity, gender mainstreaming, and payment for environmental scheme (PES) among others Green growth road maps Various knowledge products from the project outputs 	Ongoing SEARCA is lead consultant, with CTI Engineering Intl Co. Ltd; Woodfields Consultants, Inc. and ERGONS Project Marketing Consultants as Associates
2. ASEAN Social Forestry Network Strategic Response Fund (ASRF) under the ASFCC Phase II	01 April 2014 – 31 December 2015	To enable the ASEAN Member States to quickly respond to emerging issues and challenges and articulate policy recommendations and directions on social forestry as it relates to climate change, food	Swiss Agency for Development and Cooperation ASFN ICRAF RECOFTC	<ul style="list-style-type: none"> Launching of ASRF on 27 May 2014 during the 8th ASFN Meeting in Kota Kinabalu ASRF guidelines ASRF promotional materials 	Ongoing

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		security, and poverty alleviation	NTFP-EP CIFOR		
3. ASEAN Network on Promoting Climate Resilience of Rice and Other Crops ASEAN (under the German Programme on Response to Climate Change or GAP-CC)	Dec 2013 - January 2015	<ul style="list-style-type: none"> To support Thai Ministry of Agriculture Proposal on promoting climate resilience in rice and other crops through increased coordination and knowledge sharing on enhancing climate resilience of agriculture-related activities at the regional level, with a focus beyond production systems. 	GIZ ASEAN Technical Working Group on R&D (ATWGARD) Ministries of Agriculture of the Philippines, Thailand, Myanmar, Lao PDR, Vietnam, Cambodia and Indonesia	<ul style="list-style-type: none"> Series of regional forums and establishments of national research teams in the seven countries to identify and formulate regional support measures in strengthening climate resilience of the selected value chains <u>Progress</u> <ul style="list-style-type: none"> Kick off workshop during ATWGARD meeting 21-22 Jan 2014 (Pattaya) National consultations in Cambodia, Indonesia, Laos, Philippines, Thailand and Vietnam Field visits conducted in Cambodia, Indonesia, Laos, Myanmar, Philippines and Vietnam Matrices on priority crops, climate hazards, good practices, institutional challenges, implementation challenges, & recommendations for next steps finalized Results sharing - 2nd Regional Meeting 17 June 2014 during Special ATWGARD <u>Next Steps</u> <ul style="list-style-type: none"> Development of regional cooperation /areas of mutual exchange of experience Third regional meeting of ATWGARD (November 2014) 	Ongoing
4. Technical Assistance 8111 PHI: Climate Resilience and Green	19 Nov 2012 - 19 Nov 2014	<ul style="list-style-type: none"> To demonstrate the eco-town framework in 	ADB	<u>Outputs to date</u> <ul style="list-style-type: none"> Baseline information and GIS maps of the UMRBPL 	Ongoing

Title	Duration/ Coverage	Objectives	Partner/Donor	Outputs	Status
<p>Growth in the Upper Marikina River Basin Protected Landscape (UMRBPL): Demonstrating the Eco-town Framework (46225-001)</p>		<p>UMRBPL and strengthen the capacity of local government units for mainstreaming green, climate resilient growth options in development planning</p>	<p>Philippine Climate Change Commission</p>	<ul style="list-style-type: none"> • Current and projected vulnerability assessments in health, agriculture, water, forestry, and roads and bridges • Greenhouse gas inventory (GHG) • Five training courses covering GIS, cost benefit analysis (CBA), GHG inventory, adaptive capacity, and payment for environmental scheme (PES) • Ecotown Green Growth Road Map for UMRBPL • Resource Assessment • Demonstration of Adaptation and Mitigation Projects (Charcoal Briquetting, Pioneer Species Plantation, and Check Dams) • Benefit-Cost Analysis of Priority Adaptation and Mitigations <p>These reports and outputs were adopted by the partner LGUs and the Protected Area Management Board (PAMB), which shall serve as basis for determination of appropriate climate change adaptation and mitigation demonstration projects, development of green growth roadmap of UMRBPL and updating of Comprehensive Land Use Plans (CLUPs).</p>	<p>SEARCA implements the project with ERGONS Project Marketing Consultants</p>
<p>5. Improving the Agricultural Insurance Program to Enhance Resilience to Climate Change</p>	<p>11 July 2012 - 31 March 2014</p>	<p>To analyze how good agricultural practices (GAP) adoption among corn farmers could be implemented to compliment the</p>	<p>PhilRice</p>	<ul style="list-style-type: none"> • Existing and matured GAP technologies on pest and disease resilience in corn production analyzed. • Extent of awareness of farmers about GAP determined and uptake patterns analysed. 	<p>Completed</p>

Title	Duration/ Coverage	Objectives	Partner/Donor	Outputs	Status
		enhancement of the agricultural insurance system in the Philippines		<ul style="list-style-type: none"> • Psychological, socioeconomic and demographic determinants of GAP adoption identified. • Perception and level of awareness on crop insurance mechanisms among corn farmers assessed. • Appropriate policy recommendations and intervention measures to improve adoption of GAP and effectiveness of agricultural insurance program identified. 	
6. Strengthening ASEAN Mechanisms for Reducing Emission for Deforestation and Forest Degradation	March 2012 - February 2013	<p><u>General</u></p> <ul style="list-style-type: none"> • To enhance ASEAN’s ability to coordinate efforts for REDD-plus at the regional and international levels to address the issue of climate change and its impact in ASEAN Member States <p><u>Specific</u></p> <ul style="list-style-type: none"> • To promote utilization of the ASEAN strategy and 	AusAID ASEAN AMS	<ul style="list-style-type: none"> • Methodological approaches for REL/RL and MRV systems and assessment of future capacity and technology needs to implement REDD plus effectively • Guidelines for the establishment of Reference Emission Level (REL) and Measurement, Reporting and Verification (MRV) systems for implementing REDD plus • Economic incentives and financing mechanisms in implementing REDD plus • Potential collaborative research and future activities among ASEAN Countries in implementing REDD plus • Regional workshop among AMS to present draft documents on methodological approaches for REL/RL and MRV systems, and guidelines for REL (1-2 Nov 2013, Jakarta) 	Strengthening ASEAN Mechanisms for Reducing Emission for Deforestation and Forest Degradation

Title	Duration/ Coverage	Objectives	Partner/Donor	Outputs	Status
		<p>common positions on REDD-plus in the international arena</p> <ul style="list-style-type: none"> To develop and promote the application of guidelines for measuring and reporting emissions and removals, forest carbon stocks and area changes To establish <i>Reference Emission Levels</i> as key entry requirements for REDD-plus programs in ASEAN Member States 		<ul style="list-style-type: none"> Regional Workshop Report Policy brief 	
<p>7. Implementing an Ecosystem Approach to Fisheries (EAF) in Small-scale Tropical Marine Fisheries</p> <p><i>SEARCA provides assistance to WorldFish in the various diagnosis and capacity building activities of the Project in the Philippines</i></p>	<p>December 2011 - December 2014</p>	<ul style="list-style-type: none"> To use EAF framework to improve small-scale fisheries (SSF) management in selected sites and enhance their contribution to poverty reduction 	<p>WorldFish through European Commission funding</p>	<p><u>Expected Outputs of SEARCA</u></p> <ul style="list-style-type: none"> Training coordination on EAF and livelihood diversification and other capacity-building activities to be identified by LGUs and other partners at ground level Coordinated FGD and KII/survey if the KII is still needed beyond the FGD Validated workshops with the stakeholders Shared/disseminated data and information 	<p>Ongoing</p>

Title	Duration/ Coverage	Objectives	Partner/Donor	Outputs	Status
8. Building Local Capacity to Adapt to Climate Change for Selected Southeast Asian Countries (Philippine Component)	17 Feb 2011 - 16 June 2014	To build capacities for research, planning, and action with respect to climate change and the economics of adaptation in selected communities of three Southeast Asian Countries of Cambodia, Philippines, and Vietnam	IDRC EEPSEA Hue School of Economics, Vietnam Royal University of Phnom Penh, Cambodia	Research results, geographic information system (GIS) and vulnerability maps; peer-reviewed journal articles; conference, workshop, and seminar papers and presentations; climate change adaptation project proposals; policy briefs; monographs; policy recommendations to enhance capacity to adapt to climate change at the local level	Completed
9. From Ridge to Reef: An Ecosystem Based Approach to Biodiversity Conservation and Development in the Philippines (EB-ABCD Philippines) – (Project 8: Capacity Building in Biodiversity Conservation and Natural Resources Management)	01 February 2011 - 28 February 2013	<ul style="list-style-type: none"> The capacity building component aims to address the complexities of biodiversity conservation (e.g. governance, law enforcement, livelihood, access to basic services and socio-cultural considerations) through comprehensive capacity building programs 	USAID-Philippines WorldFish (Lead agency)	<u>Expected Outputs</u> <ul style="list-style-type: none"> Biodiversity Conservation and Natural Resources Management adopted and integrated to the local development plans of LGUs including the institutionalization of the biodiversity monitoring and evaluation (BIOME) system. Training programs on upland farming systems, mariculture and aquaculture technologies, mangrove rehabilitation, integrated coastal management, monitoring and evaluation 	Completed

Title	Duration/ Coverage	Objectives	Partner/Donor	Outputs	Status
10. ADB TA 7189-INO: Institutional Strengthening for Integrated Water Resources Management in the 6 Cis River Basin Territory (Package E)	10 January 2011 - 30 June 2013	<ul style="list-style-type: none"> To strengthen the institutional capacity of the National, Provincial and Municipal governments of Indonesia in accordance with the 2004 Water Law with implementation directed through common strategic planning 	ADB AECOM Asia Co. Ltd. (Lead Firm)	<ul style="list-style-type: none"> Increased ability of the stakeholders to successfully and efficiently manage water resources to cope with climate change impact in the CCRB area 	ADB TA 7189-INO: Institutional Strengthening for Integrated Water Resources Management in the 6 Cis River Basin Territory (Package E)
11. Capability Building on Responding to Climate Change through Research and Development In Agriculture	January 2010 to July 2012	<ul style="list-style-type: none"> To enhance the capability of DA and its partners in proactively addressing RD and E issues and problems related to climate change 	DA-BAR, Philippines	<ul style="list-style-type: none"> In-country short term trainings Overseas educational visits to provide participants first-hand knowledge and information on how ASEAN countries develop and implement programs and activities addressing climate change 	Capability Building on Responding to Climate Change through Research and Development In Agriculture
12. Focused-Food Production Assistance to Vulnerable Sectors (FPAVAS): <i>Mainstreaming of Climate Change Adaptation (CCA) in</i>	January 2010 - October 2011	<ul style="list-style-type: none"> To understand the risks and effects of climate change phenomena, and develop strategies and plans to help reduce its impacts 	EU CIRAD WorldFish DA Philippines	Vulnerability and Adaptation (V&A) Assessment (participatory assessment and GIS mapping) <ul style="list-style-type: none"> 284 vulnerability maps produced The most dominant climate risks likely to have an effect on the target provinces, and consequently their agricultural production, are droughts, floods, landslides, erosions, tidal surges, and salinity in the coastal areas. 	Focused-Food Production Assistance to Vulnerable Sectors (FPAVAS): <i>Mainstreaming of Climate</i>

Title	Duration/ Coverage	Objectives	Partner/Donor	Outputs	Status
<i>Local Development Plans Component</i>		especially on agricultural production	National Commission on Indigenous Peoples Provinces of Misamis Oriental, Misamis Occidental, Oriental Mindoro, Occidental Mindoro, Camarines Sur, and Camarines Norte, Philippines	Phase II: Mainstreaming Climate Change in Development Planning <ul style="list-style-type: none"> • A total of 226 LGU staff members from six provinces were mentored by the climate change team in mainstreaming CCA in local plans • Around 300 farmer-beneficiaries were oriented by LGUs on their respective provincial CChAMPs and on disaster risk reduction (DRR) management. • Six provincial CChAMPs were developed, which could become LGUs' basis of adaptation actions to the extreme climatic changes and events in specific locations. 	<i>Change Adaptation (CCA) in Local Development Plans Component</i>
13. The Impacts of El Niño Southern Oscillation (ENSO) Events on Cereal Production, Area and Yield in Asia (China, Indonesia, Malaysia, Philippines, Thailand, Vietnam, Sri Lanka)	December 2009 – December 2010	To extend the number of countries and crops covered in the current literature on ENSO To improve cross-country comparability by using a standard methodology To increase market transparency by	FAO	Project workshops to level off on common methodology to be used, and for the sharing of project outputs Workshop proceedings Country project reports	Completed

Title	Duration/ Coverage	Objectives	Partner/Donor	Outputs	Status
		<p>providing publicly available estimates of ENSO impacts</p> <p>To assist in the preliminary identification of coping strategies</p>			
14. State of the Art on the Socioeconomics of Climate Change in the Philippines	29 July 2009-22 January 2012	To determine the state of the art of socioeconomic research on climate change in the Philippines that will serve as a guide in defining the focus of further research efforts on climate change	PCAARRD	<p>Body of climate change-related socioeconomic researches in the Philippines covering 1990-2010 synthesized and analyzed.</p> <p>Monograph published</p>	Completed
15. Impact of Climate Change on the Philippine Rice Sector: Supply/Demand Projections and Policy	01 March 2007 –28 February 2008; extended until 31 May 2014	<p>To assess the effects and impacts of climate change on rice production in the Philippines</p> <p>To analyze location-specific climate risks and their relations with the rice production situation by province</p>	IRRI	<p>Effects of global warming on rice crop productivity assessed using available historical data on rice yields and weather data, supplemented by <i>crop simulations utilizing a process-based crop model CERES-Rice model under DSSAT</i> (Tsuji et al., 2000).</p> <p>Crop yields determined and compared for different plausible climate scenarios defined by incremental increases in temperature, change in rainfall volume and distribution, and increase in atmospheric carbon dioxide concentration.</p>	Completed

Title	Duration/ Coverage	Objectives	Partner/Donor	Outputs	Status
		To assess the suite of CC adaptation measures in rice production		<p>Exploratory regression analysis conducted relating rice yield in selected areas (provinces) as a function of weather variables.</p> <p>Geospatial mapping of risks associated with climate-related hazards (e.g. temperature increase, change in rainfall, typhoons, etc.) and their effects and impacts on rice production analysed.</p> <p>Availability and access to the suite of adaptation measures in major rice growing areas and the level of adaptive capacity of rice production systems despite vulnerability to climate hazards assessed.</p> <p>Policy recommendations</p>	
<p>16. Seed Fund for Research and Training (SFRT) Projects</p> <p><i>List of SFRT Projects in Annex A</i></p>	2005 - present	To provide start-up funds to young researchers and scientists who can make significant contributions to the development of the region but lack the funds to carry out their projects	Researchers from Southeast Asia	<p>Research reports, policy briefs, discussion papers</p> <p>Disseminated research results through scientific fora/ conferences</p> <p>Enhanced capacities of researchers</p> <p>More robust body of knowledge on ARD</p> <p>Policy recommendations</p>	Ongoing program

Title	Duration/ Coverage	Objectives	Partner/Donor	Outputs	Status
<p>17. Policy Roundtable, Forums, and Technical Workshops</p> <p><i>Policy roundtables etc. are included in Annex C list</i></p>	<p>2004 - present</p>	<p>To provide a venue for rural development practitioners, including policymakers, to discuss collaborative strategies and policy instruments to combat poverty and food insecurity amidst challenges brought about by various factors including market globalization, climatic events, economic and financial crisis, etc.</p> <p>To further develop capacities of human resources in the CLMV countries especially on effective and sound policy formulation, implementation and evaluation</p>	<p>International development agencies</p> <p>Relevant national government agencies</p> <p>Non-government organizations</p> <p>Private Sector</p>	<p>Critical mass of technical (policy) experts in agriculture and related fields produced</p> <p>Quality of service delivery and governance of policies, rules and regulations improved</p> <p>Knowledge exchange and the joint undertaking of projects that address common concerns and issues that hinder agricultural growth and food security improvement promoted</p> <p>Linkages and cooperation of institutions in the region towards the attainment of sustained agricultural growth, building up of the sector's competitiveness and facilitation of cross-border trade of agricultural products established and strengthened</p>	<p>Ongoing program</p>

2. GRADUATE SCHOLARSHIP

Title	Duration/ Coverage	Objectives	Partner/Donor	Outputs	Status
<p>Dissertation/thesis of scholars</p> <p><i>List of dissertations/theses in Annex B</i></p>	2009-2015	This research exercise aims to demonstrate and apply the knowledge and skills acquired through the graduate program and eventually contribute “new” body of knowledge to a certain field or discipline.	SEAMEO DAAD IDRC Tokyo NODAI	Thesis/ Dissertation manuscripts Journal articles Oral and Poster Presentations in Conferences and Seminars	Ongoing program
<p>Professorial Chair Grant</p> <p><u>FY 2009/2010</u></p> <p>1. “Diversity of Fungi in the Makiling Forest Reserve: Indicators of Productivity and Climate Change” (Ernesto P. Militante, UPLB, Philippines)</p> <p>2. “Mainstreaming Climate Change Adaptation in the Philippine Forestry and Natural Resources Sector” (Diomedes A. Racelis, UPLB, Philippines)</p> <p><u>FY 2013/2014</u></p> <p>1. “Challenges and Issues in Implementing Weather Index-based</p>	2009 - 2014	The grant aims to give due recognition to outstanding Southeast Asian experts in the academe in specific fields of study relevant to the broad themes of Agricultural Competitiveness and Natural Resource Management.		Professorial lecture Monograph/Knowledge products	Ongoing program

As of 07 May 2015

Title	Duration/ Coverage	Objectives	Partner/Donor	Outputs	Status
<p>Insurance in the Philippines” (Felino P. Lansigan, UPLB, Philippines)</p> <p><u>FY 2014/2015</u></p> <p>1. Climate Change Adaptation Strategies of Agribusiness Enterprises in the Philippines (Dinah Pura T. Depositario, UPLB, Philippines)</p>					
<p>FSC 2013 Summer School Module 4: Climate Change Adaptation For Rural Development and Food Security</p>	<p>25-29 November 2013</p>	<p>The Summer School module aims to explain climate change, terminology, impact mitigation, adaptation as it affects food security.</p>	<p>FSC, UHOH, DAAD, BMZ Germany</p>	<p>13 students from Asia, Latin America, Africa with acquired knowledge on food and nutrition security in the context of Southeast Asia</p>	<p>Completed</p>

KNOWLEDGE MANAGEMENT

Program/Initiatives	Duration/ Coverage	Goal/Objectives	Partner/Donor	Outputs	Status
<p>Knowledge/learning events and initiatives</p> <ul style="list-style-type: none"> • International/regional conferences • International/regional learning events <ul style="list-style-type: none"> ○ Executive for a ○ Policy roundtables ○ Online course ○ Seminars ○ Workshops <p><i>Details in Annex C</i></p> <p>Publications and non-traditional materials</p> <ul style="list-style-type: none"> • Books • Policy briefs • Research, experience, and learning notes/briefs • Event proceedings • Discussion paper series • Others <p><i>Details in Annex D</i></p>	<p>Continuing (core) offerings and project-based: 3-5 day events 1-2 hour seminars</p>	<p>Goal Promote a learning culture, knowledge sharing and use, and knowledge creation in agricultural and rural development in Southeast Asia</p> <p>Objectives</p> <ol style="list-style-type: none"> 1. Update professionals and decision-makers in ARD institutions in SEA on contemporary issues, emerging perspectives, and competencies and skills on ISARD 2. Provide access to evidence-based information and knowledge that advance ISARD in SEA 3. Encourage and support knowledge creation and intellectual and scholarly productivity in ISARD for Southeast Asia 	<p>Varies per event</p>	<p>Completion reports/proceedings for harvesting of materials (publications) for dissemination</p> <p>Cohort of equipped actors in agricultural and rural development from various sectors</p>	<p>Completed and ongoing</p>

LIST OF SEED FUND FOR RESEARCH AND TRAINING (SFRT) PROJECTS, 2009-2015

1. Assessment the Impact of Climate Change to Aquaculture/Fisheries Household Livelihood in the Lower Mekong Delta, Vietnam
2. Assessment of Impacts of and Adaptation to Climate Change in Fisheries and Agriculture in the Coastal area of Thua Thien Hue Province, Vietnam
3. Assessment on Vulnerability and Risk for Adaptation at Household Level in Central Dry Zone of Myanmar
4. Climate Change Vulnerability Mapping and Geo-spatial Analysis in Cagayan River Basin, Philippines
5. GIS-aided Biophysical Characterization of Leyte Landscape in Relation to Landslide Occurrences
6. Flood Damage Assessment at Jabonga, Agusan del Norte, Philippines
7. Mangrove Rehabilitation in Ticao I., Masbate, Philippines
8. Coastal and Marine Resource Management in the Philippines: An Analysis of the Political Economy of Selected LGU Initiatives
9. Payments for the Environmental and Cultural Services (PECS) of the Ifugao Rice Terraces of the Philippines
10. Community Building Resilience towards Emerging Climate Disasters: A Case Study in Koh Andet District, Takeo Province, Cambodia
11. Simulating Hydraulic Effects of Climate Change on Groundwater Resources in a Selected Aquifer in the Philippines Using a Numerical Groundwater Model
12. Good Agricultural Practices (GAP) in the Philippines: Status, Issues and Policy Strategies
13. Economic Implications and Safety Nets for Mesh Size Regulations on Local Fishing Communities: A Policy and Economic Analysis
14. Simulation Analysis of the Effects of Changing Climate on Major Crops in the Philippines
15. Effects of Biofuels on Agricultural Development, Food Security, Poverty and the Environment in the Philippines
16. Rice Supply and Security in terms of Sea Level Rise, Conversion of Rice Land to Industrial Land and Population Growth in the Red River Delta, Vietnam
17. The Impact of Climate Change on Livelihood and Land Use of People along Nam Ou River: A Case Study of Two Villages in Pak Ou District, Luang Prabang Province, Lao PDR

LIST OF DISSERTATION/THESIS OF SCHOLARS, 2009-2015

Completed:

A. FY2009/2010

1. "Carbon Sequestration by Faraon and Agtuyon Soils Under Different Cropping and Tillage Systems in Zamboanga Peninsula" (Eriberto D. Salang, PhD Soil Science, Philippines)
2. "Impact of Climate Variability on Traditional Upland Rice Production and Farmers' Adaptation Mechanisms in Luangprabang Province, Lao PDR" (Bounmi Phommakone, MS Environmental Science, Lao PDR)
3. "Carbon Storage and the Role in Climate Change Mitigation of the Caimpugan Peatland in Agusan Marsh, Philippines" (Van Leeah B. Alibo, PhD Environmental Science, Philippines)

B. FY2010/2011

1. "Climate Change Impacts and Adaptations among the Indigenous Highland Farming Communities of the Ambuklao Watershed, Benguet, Philippines" (Kenneth A. Laruan, PhD Forestry, Philippines)
2. "Supplementary Light for Wet-Season Production of Lettuce (*Lactuca Sativa* Linn.) under Protective Cultivation" (Gay Therese M. Bucol, MS Horticulture, Philippines)
3. "Mainstreaming Climate Change Adaptation in the Bachelor of Science in Agriculture Curricular Program in Selected Commissions on Higher Education (CHED) Centers of Excellence in Agriculture" (Violeto N. Coronacion, PhD Agricultural Education, Philippines)
4. "Comparative Assessment of using Rice Straw for Rapid Composting and Straw Mushroom Production in Mitigating Greenhouse Gas Emissions in Mekong Delta, Vietnam and Central Luzon, Philippines" (Ngo Thi Thanh Truc, PhD Environmental Science, Vietnam)

C. FY2011/2012

1. "Development of Management System of Spiked Pepper (*piper aduncum*) for Watershed Rehabilitation, Livelihood Development, and Climate Change Mitigation in Southern Mindanao, Philippines" (Thomas L. Cardente II, PhD Forest Resources Management, Philippines)
2. "Nature Base Tourism Responding Toward the Challenge of Climate Change: A Case Study in Tanjung Putting National Park" (Johan Setiawan, MS Tourism Planning, Indonesia)
3. "Vulnerability and Adaptive Capacity of the Food Production Systems to Climate Change: Planning Implications for Food Security Resiliency and Sustainability in Buhi, Camarines Sur" (Rey B. Lara, MA Urban and Regional Planning, Philippines)
4. "Social Vulnerability and Willingness to Pay for Adaptation to Climate Change and Variability of Farming Households in Dumangas, Iloilo" (Gay D. Defiesta, PhD Agricultural Economics, Philippines)

D. FY2012/2013

1. "Climate Change Mitigation Capability Improvements for Coastal Communities in the Biological Reserve of Red River Delta, Vietnam" (Quyen Dinh Ha, PhD Community Development, Vietnam)

E. FY2013/2014

1. "Community Organizing for Flood Risk Reduction in Xieng Ngeun District, Luang Prabang Province, Lao PDR" (Bounxou Xayxana, MS Community Development, Lao PDR)
2. "Assessment of the Flood Vulnerability and Adaptation of Rice Production System in Champhone District, Savannakhet Province, Lao PDR" (Othevy Vongmany, MS Environmental Science, Lao PDR)
3. "Vulnerability Assessment of Rice Farming Provinces to Climate Change in Mekong River Delta and Red River Delta in Vietnam" (Hoang Ha Anh, MS Environmental Science, Vietnam)
4. "The Influence of Rural Investment Climate Factors on Business Operations of Agricultural Firms: Evidence from Vietnam" (Tran Quang Trung, PhD Food and Nutrition, Vietnam)
5. "Climate Change Awareness and Farm Level Adaptation of Rainfed Farmers (Central Dry Zone) in Monywa Township, Sagaing Region, Myanmar" (Myo Win Maung, MS Environmental Science, Myanmar)

F. FY2014/2015

1. "Assessing Rice Farmers' Use of Seasonal Weather Forecasts Data to Cope with Climate Variability in Central Highland of Vietnam" (Nguyen Thi Chung, MS Agricultural Systems Management, Vietnam)
2. "Farmers' Perception and Adaptation to Climate Change Pressure on Highland Coffee Production, Dak Lak Province, Vietnam" (Tran Cao Uy, MS Agricultural Systems Management, Vietnam)

Ongoing:

1. "Thermal and Soil Moisture Regimes Mapping and Analysis at the Municipal Level in Support to Food Security Amidst Global Climate Change" (Bathsheba A. Aprilla, MS Soil Science, Philippines)
2. "Impact of REDD+ on Livelihood and Food Security in the Upland Areas of Vietnam" (Nguyen Tien Dinh, PhD Agricultural Economics, Vietnam)
3. "Diversity, Physiological and Morphological Attributes of Indigenous Tree Species for Rehabilitation, Climate Change Adaptation and Mitigation of Upper Marikina River Basin Protected Landscape" (Joseph Angelus F. Palomar, PhD Forestry, Philippines)
4. "Modeling and Evaluation of Risks from Water-induced Erosion and Landslide in Wahig-Inabanga Watershed, Bohol, Philippines" (Tomas D. Reyes, Jr., PhD Forestry, Philippines)
5. "Use of Geographic Information System (GIS) and Remote Sensing (RS) to enhance Irrigation and water Management in the Agricultural Food Production Areas for better Adaptation to Climate Change and Global Warming" (Moises Dorado, PhD Agricultural Engineering, Philippines)
6. "Intercropping of Corn and Peanut in Changing CLimate" (Nouyang, MS Agronomy, Lao PDR)
7. "Strengthen Adaptive Capacity of Poor People to Climate Change and Socio-economic Change in Northwest Mountainous Region of Vietnam" (Trinh Quang Thoai, PhD Agricultural Economics, Vietnam)

LIST OF CONFERENCES, EXECUTIVE FORA, POLICY ROUNDTABLES, AND TRAINING WORKSHOPS ORGANIZED AND CO-ORGANIZED BY SEARCA FROM 2008-2014

No.	Title of Event	Venue / Date	No. of Participants	Activity Partner/s
<i>International Conferences – 3</i>				
1	International Conference-Workshop on Biodiversity and Climate Change in Southeast Asia: Adaptation and Mitigation	19-20 Feb 2008 Manila, Philippines	99 Cambodia: 2 France: 1 Germany: 4 India: 1 Indonesia: 2 Malaysia: 9 Netherlands: 5 Philippines: 66 Singapore: 1 Thailand: 3 USA: 3 Vietnam: 2	The Netherlands' Government ASEAN Center for Biodiversity World Agroforestry Center Bioersivity International Silliman University, Philippines
2	Sustainability Science for Food, Forests, and Floods: Integrating Climate Adaptation and Pro-Poor Resource Management	27-28 May 2010 Honolulu, Hawaii	Total: 27 Japan-1 Philippines-9 Thailand-1 USA-16	
3	International Conference on Climate Change Impacts and Adaptation for Food and Environmental Security	21-22 November 2013 SEARCA	Total: 150	Asia Pacific Adaptation Network
<i>International / Regional Training -16</i>				
1	International Training Course on Responding to Changing Climate: Knowledge-based Strategies for Managing Risks in Agricultural Production	8-12 September 2008 SEARCA, College, Los Baños, Laguna, Philippines	Total: 14 Philippines – 13 Vietnam - 1	International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) International Rice Research Institute (IRRI)
2	Regional Workshop on Climate Change and Food Security: Global Drivers of Change for Improving the Competitiveness of Fisheries and Fisheries Based Products in the Region	19-20 March 2009 SEARCA	1 Cambodia 1 Indonesia 2 Malaysia 14 Philippines 1 Singapore 1 USA 1 Vietnam	WorldFish Center, Philippine Council for Aquatic and Marine Research and Development, Bureau of Agricultural Research (Philippines)

No.	Title of Event	Venue / Date	No. of Participants	Activity Partner/s
3	Fisheries and Climate Change in Southeast Asia: A Regional Forum on Initiatives, Information Exchange and Research Cooperation	SEARCA 20 March 2009	1 Cambodia 1 Indonesia 2 Malaysia 14 Philippines 1 Singapore 1 USA 1 Vietnam	Philippine Council for Aquatic and Marine Research and Development
4	Regional Workshop on Addressing Climate Change and Rural Poverty in Southeast Asia: The Potential Role of Weather-Based Risk Management Scheme as an Adaptation Strategy	26-27 May 2009 SEARCA	1 Indonesia 19+ Philippines	
5	Second International Training on Responding to Changing Climate: Knowledge-based Strategies in Managing Risks in Agriculture and Environment	9-13 November 2009 Asia Hotel, Bangkok, Thailand	Total: 27 <i>Cambodia: 2</i> <i>Indonesia: 3</i> <i>Philippines: 13</i> <i>Vietnam: 4</i> <i>Sri Lanka: 1</i> <i>Thailand: 4</i>	Southeast Asia Global Change System for Analysis, Research and Training Regional Center (SEA START RC) Environment and Economy Program for Southeast Asia (EEPSEA) United Nations Development Programme (UNDP) Regional Centre in Bangkok
6	Training on Climate Change Adaptation for Six ASEAN Countries	13-17 September 2010 SEARCA	Total: 28 Cambodia – 6 Indonesia -5 Philippines – 6 Thailand – 3 Vietnam – 6 Lao PDR - 2	EEPSEA
7	Study-Tour Writeshop on Climate Change Adaptation and Mitigation in Indonesia	22-26 November 2010 Bogor, Indonesia	Total: 22 Cambodia – 4 Philippines – 13 Vietnam - 5	Korea FAO Association SEAMEO BIOTROP
8	International Training Course on Vulnerability and Socio-Economic Analysis	4-8 April 2011, SEARCA	Total: 20 Cambodia – 4 Indonesia -1 Lao PDR – 2 Myanmar – 2	IDRC EEPSEA Royal University of Phnom Penh Hue University

No.	Title of Event	Venue / Date	No. of Participants	Activity Partner/s
			Philippines – 4 Thailand – 3 Vietnam - 4	
9	Environmental Leadership in Climate Change Adaptation for Southeast Asia	6-10 February 2012 Maejo University (MJU), Chiangmai, Thailand with	Total: 21 <i>with 6 observers from MJU</i> Cambodia – 1 Indonesia -1 Philippines – 13 Thailand – 12	EEPSEA Maejo University Climate Change Commission UNEP
10	Sixth Executive Forum on NRM: Water and Food in a Changing Environment	11-13 April 2012 SEARCA	Total: 24 Cambodia – 4 Indonesia -3 Japan - 1 Lao PDR – 2 Malaysia -2 Philippines – 6 Thailand – 2 <i>Vietnam - 4</i>	University of Hohenheim Food Security Center, Stuttgart, Germany Research Institute for Humanity and Nature (RIHN), Kyoto, Japan
11	Workshop on Vulnerability, Impact, and Adaptation Assessment for Climate Change: Approaches, Methods, Tools	10-12 July 2013 Melia Hotel Hanoi, Hanoi Vietnam	Total: 14 Cambodia-2 Indonesia-2 Lao PDR-2 Malaysia-2 Philippines-1 Thailand -2 Vietnam-3	APAN EEPSEA DTIE-UNEP
12	Training on Integrating Climate Change Adaptation in Development Plans and Investments	3-5 September 2013 SEARCA	Total: 15 Cambodia-2 Indonesia-2 Lao PDR-2 Malaysia- 2 Philippines-3 Thailand-2 Myanmar-1 Vietnam-1	ASEAN-German Program on Response to Climate Change: Agriculture, Forestry and Related Sectors (GAP-CC) Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH GIZ Manila RECOFTC ASEAN Secretariat
13	Training on Integrating Climate Change Adaptation in Development Plans and Investments	24-26 September 2013 RECOFTC, Bangkok, Thailand	Total: 15 Cambodia -1 Indonesia-2 Lao PDR -2 Malaysia- 2	ASEAN-GAP CC RECOFTC ASEAN Secretariat

No.	Title of Event	Venue / Date	No. of Participants	Activity Partner/s
			Philippines- 3 Thailand- 3 Vietnam – 2	
14	Training-workshop on Climate Change Adaptation in Watersheds for Water, Food and Environmental Security in Southeast Asia	15-18 October 2013 SEARCA, Philippines	Total: 16 Indonesia-2 Lao PDR-2 Myanmar- 2 Philippines- 6 Vietnam- 4	APAN
15	Training-Workshop Integrating Climate Change Adaptation into Development Plans and Investments for the Philippine Agriculture and Fisheries Sector	7-10 October 2014	Total: 20 Philippines - 20	Department of Agriculture-National Agriculture and Fishery Council (NAFC)
16	Regional Knowledge Sharing Writeshop on Climate Change Adaptation in Inclusive and Sustainable Agricultural and Rural Development	15-17 April 2015	Total: 18 Philippines - 10	Oscar M. Lopez Center for Climate Change Adaptation and Disaster Risk Management; French International Agency for Research and Development (CIRAD); International Center for Tropical Agriculture (CIAT)
Policy Roundtables and Technical Workshop for CLMV – 3				
1	Eight Policy Roundtable on Building Capacities for Agricultural Competitiveness of Transition Countries in Southeast Asia: Climate Change - Impacts, Challenges, and Responses toward Strengthening Agriculture and Food Security in Transition Southeast Asia	29-30 Apr 2010 Mandalay, Myanmar	Total: 15 Australia-1 Cambodia-1 Korea-2 Lao PDR-1 Myanmar-3 Philippines-6 Vietnam-1	Korea FAO Association MOAI-Myanmar CSIRO, IRRI
2	Technical Workshop on Vulnerability and Risk Assessment on Climate Change toward Strengthening Agriculture and Food Security in Transition Southeast Asia	6-7 August 2010 Bali, Indonesia	Total: 10 Cambodia: 2 Lao PDR: 2 Myanmar: 2 Vietnam: 2 Indonesia: 2	Korea FAO Association

No.	Title of Event	Venue / Date	No. of Participants	Activity Partner/s
3	10 th Policy Roundtable on Mainstreaming Climate Change Adaptation in the Agriculture Sector towards Food Security in Transition Southeast Asia	6-7 February 2014 Phnom Pehn, Cambodia	Total: 22 Cambodia: 16 Lao PDR: 2 Myanmar: 2 Vietnam: 2	Asia Pacific Adaptation Network (APAN) Cambodian Ministry of Agriculture, Forestry and Fisheries (MAFF)
National Knowledge/Learning Events – Philippines – 6				
1	National Forum on Climate Change, Poverty, and Vulnerability: Mainstreaming Adaptation and Mitigation Strategies in the Development and Poverty Reduction Agenda	Manila, Philippines 16 Nov 2009	Total: 150 Philippines-149 USA-1	NAST
2	Training on Responding to Climate Change through Research and Development in Agriculture	9-12 March 2010 SEARCA, College, Los Baños, Laguna, Philippines	Total: 41 <i>Philippines: 41</i>	Philippine Department of Agriculture-Bureau of Agricultural Research (DA-BAR)
3	Second Training on Responding to Climate Change through Research and Development in Agriculture	15-18 June 2010 SEARCA, College, Los Baños, Laguna, Philippines	Total: 27 Philippines: 27	DA-BAR
4	DA-BAR Study Tour on Climate Change (with PRODEV)		Total: 5 Philippines - 5	DA-BAR
5	Exposure visit to Indonesia under the “Capability Building on Responding to Climate Change through Research and Development in Agriculture”	21-28 August 2010 Jakarta and Bogor, Indonesia	Total: 5 Philippines - 5	DA-BAR
6	Roundtable on Socio-economic Research on Climate Change in the Philippines: Where We Are and Where We Are Going			NAST-PCARRD

<i>Online Course – 5</i>				
1	First Online Course on Responding to Climate Risks in Agriculture and Natural Resource Management	15 May to 09 July 2011	Total: 20	SEAMOLEC ICRAF
2	Second Online Course on Responding to Climate Risks in Agriculture and Natural Resource Management	16 October to 10 December 2011	Total: 11	SEAMOLEC ICRAF
3	Third Online Course on Responding to Climate Risks in Agriculture and Natural Resource Management	15 April to 09 June 2012	Total: 15	SEAMOLEC ICRAF
4	Fourth Online Course on Responding to Climate Risks in Agriculture and Natural Resource Management	5 October 2013- 24 January 2014 UP Open University	Total: 11	UP Open University UPOU Foundation, Inc.
5	Fifth Online Course on Responding to Climate Risks in Agriculture and Natural Resource Management	19 July-11 October 2014 UP Open University	Total: 23 Nigeria – 1 Philippines - 22	UP Open University UPOU Foundation, Inc.
<i>Project-based Knowledge/Learning Events – 16</i>				
1	Climate Change and Food Supply: Seminar Workshop on the Threats of Climate Change to Agriculture, Forestry, and Fisheries	3-4 December 2009 SEARCA, Los Baños, Laguna	Total: 8 Philippines: 8	SEAMEO Regional Centre for Education in Mathematics and Science (RECSAM)
2	Climate Change and Food Supply: Seminar Workshop on the Threats of Climate Change to Agriculture, Forestry, and Fisheries	3-4 Dec 2009 SEARCA	Philippines-8	
3	Project Inception Workshop: The Impacts of El Niño Southern Oscillation (ENSO) Events on Cereal Production, Area and Yield in Asia	8-10 Mar 2010 SEARCA	Total: 17 Bangladesh-1 Cambodia-1 China-1 India-2 Indonesia-1 Italy-1 Malaysia-1 Pakistan-1 Philippines-5 Sri Lanka-1 Thailand-1	

			Vietnam-1	
4	Training Course on Responding to Climate Change through Research and Development in Agriculture; Preparation of Provincial Climate Change Adaptation and Mitigation Plan (CChAMP)	14-17 Jun 2010 SEARCA	Total: 35 France-2 Philippines-33	
5	Training workshop on the Development of a Participatory Climate Change and Disaster Risk Reduction Management (CDRRM) Plans, Famy, Laguna	17 September 2013 Famy, Laguna, Philippines	Philippines	IDRC Local Government Unit (LGU) - Famy
6	Training Orientation and Vulnerability Assessment and NRM Methodologies in UMRBPL	18 December 2013 Antipolo City, Rizal	Philippines: 103	Asian Development Bank (ADB)
7	Special ATWGARD Kick-off Workshop on the Promotion of Climate Resilience or Rice and Other Crops	21-22 January 2014 Pattaya, Thailand	Philippines: 33	GAP-CC
8	Training on Geospatial Applications and Analysis for Climate Resiliency, Mitigation and Adaptation Planning for UMRBPL LGUs	10-11 February 2014 Antipolo City, Rizal	Philippines: 36	ADB
9	Training on Economic Valuation for Climate Change Resilience and Green Growth: Benefit-Cost Analysis of Integrated Natural Resource Management in UMRBPL	20-21 February 2014 Los Baños, Laguna	Philippines:25	ADB
10	Laos 1 st National Consultative Meeting	21-February 2014 Vientiane, Laos	Lao PDR: 17	GAP-CC/GIZ
11	Vietnam 1 st National Consultative Meeting	11-March 2014 Hanoi, Vietnam	Vietnam: 20	GAP-CC
12	Philippines 1 st National Consultative Meeting	11, 17 February 2014 Quezon City 20 March 2014 Los Baños, Laguna	Philippines: 81	GAP-CC

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13	Second Philippine National Consultative Meeting: ASEAN Network on Promoting Climate Resilience in Rice and other Crops	28 March 2014 DA-BAR Office, Quezon City	Philippines:	GAP-CC
14	Second Philippine National Consultative Meeting: ASEAN Network on Promoting Climate Resilience in Rice and Other Crops	14 April 2014 SEARCA, Los Baños, Laguna	Philippines:	GAP-CC
15	Thailand First Consultative Meeting: ASEAN Network on Promoting Climate Resilience in Rice and Other Crops	6 May 2014 Training and Technology Transfer Center, Department of Agriculture, Bangkok, Thailand		GAP-CC
16	Lao PDR Second Consultative Meeting	13 May 2014 Vientiane, Lao PDR		GAP-CC

LIST OF SEMINARS FROM 2006-2015

Agriculture and Development Seminar Series, 2006 to 2015 – 48

Date	Topic	Speaker/Institution
2015		
Apr 21	Climate Change Adaptation Strategies of Agribusiness Enterprises in the Philippines	Dr. Dinah Pura Depositario SEARCA Professorial Chair Grantee Associate Professor and Chair Department of Agribusiness Management College of Economics and Management University of the Philippines Los Baños (UPLB)
Mar 13	Media and Inter-agency Collaboration to Mitigate Climate Change	Dr. Bruce Tolentino Deputy Director-General for Partnership International Rice Research Institute Ms. Vilma S. Dimaculangan Department of Agriculture - Region IV
Mar 10	Assessing Vulnerability of Fisheries in the Philippines to Climate Change Impacts: Tool for Understanding Resilience of Fisheries	Ms. Remelyn I. de Ramos Research Assistant Marine Science Institute University of the Philippines Diliman
2014		
Mar 25	Towards a Clarification of Definitions, Methodologies and Approaches: A State-of-the-Art of Climate Change Vulnerability Assessment	Prof. Maria Emelinda T. Mendoza Department of Social Development Services UPLB College of Human Ecology
Feb 26	Good Practices in Mainstreaming Disaster Risk Reduction (DRR) and Climate Change Adaptation (CCA) in Local Agriculture Governance	Dr. Cely S. Binoya Professor VI and Director Institutional Planning, Resources Generation and Linkages, Central Bicol State University of Agriculture
Jan 30	Sea Turtles and The Turtle Islands and Some Impacts of Climate Change on Sea Turtles and Their Habitats	Dr. Romy B. Trono Former Country Executive Director, Conservation International
Jan 28	Implementation Issues in Weather Index-based Insurance for Managing Risk in Agricultural Production	Dr. Felino Lansigan SEARCA Professorial Chair Awardee, 2013-2014
2013		
Sep 24	WeRise, a Decision Support Tool for Climate Change Adaptation in Rainfed Rice Areas: The Sequel	Dr. Anita A. Boling Postdoctoral Fellow and CCARA Theme 4 Leader Crop and Environmental Sciences Division International Rice Research Institute
Aug 27	SPECIAL SEMINAR: Economic Analysis of Selected Adaptation Options to Flooding	Ms. Jaimie Kim Bayani Arias Assistant Professor Department of Economics UPLB College of Economics and Management

Date	Topic	Speaker/Institution
Aug 27	SPECIAL SEMINAR: Insights, Lessons and Challenges from a Transdisciplinary Assessment of Climate Change-Related Vulnerability	Ms. Ma. Emilinda T. Mendoza Assistant Professor Department of Social Science Development Services UPLB College of Human Ecology
Aug 13	Climate Change Vulnerability Mapping of Selected Municipalities in Laguna, Philippines	Engr. Vicente G. Ballaran, Jr. Assistant Professor Agrometeorology and Farm Structures Division, Institute of Agricultural Engineering UPLB College of Engineering and Agro-Industrial Technology
Jul 30	WEBINAR (hosted online viewing for Los Baños audience): Disaster and Climate Risk Assessment Frameworks, Tools and Indices <i>Vulnerability and Risk Frameworks: Looking Into VIA Assessment Frameworks, Tools and Indices</i> <i>Vulnerability Assessment in the Philippines: Operationalization of the Concept and Selected Examples</i>	Dr. Rosa T. Perez Senior Research Fellow Manila Observatory Dr. Charlotte Kendra Gotangco Assistant Professor Department of Environmental Science Ateneo de Manila University
Jun 25	Climate Change and Food Production in Asia	Dr. Krishna Jagadish SV Molecular Plant Physiologist Crop Environmental Sciences Division International Rice Research Institute (IRRI)
Mar 19	Physiological Studies on Seed Priming of Rice for Establishment in Stressed Environment	Dr. Maribel Dionisio-Sese UPLB Diamond Jubilee Professorial Chair Awardee Institute of Biological Sciences, College of Arts and Sciences University of the Philippines Los Baños
Jan 22	Climate Smart Disaster Risk Management as Applied to Agriculture	Ms. Jessica Dator-Bercilla Policy Liaison Climate Change Assistance The Manila Observatory
2012		
Jul 20	REDD+ and Safeguards: State of UNFCCC Negotiations and Relevance to ASEAN	Dr. Nur Masripatin Director, Centre for Standardization and Environment, Ministry of Forestry, Indonesia and Coordinator, ASEAN Regional Knowledge Network on Forest and Climate Change (ARKN-FCC)
Apr 24	SPECIAL GRADUATE SEMINAR: Willingness to Pay for a Planned Adaptation Program to Climate Change	Gay D. Defiesta College of Arts and Sciences, UP Visayas

Date	Topic	Speaker/Institution
	of Farmers in Dumangas, Iloilo, Philippines: Evidence from a contingent valuation survey	
Jan 10	Early Growth and Carbon Sequestration Potential of Selected Tree Species in Degraded Grassland in Southern Leyte, Philippines	Prof. Anatolio N. Polinar SEARCA PhD Research Scholar and Assistant Professor College of Forestry and Natural Resources, Visayas State University
2011		
Nov 15	Effect of Early Thermal Conditioning and Feed Restriction in Enhancing Heat Resistance of Broilers in the Tropics	Ms. Hyde D. Nadela Assistant Professor University of Southeastern Philippines Tagum City, Davao del Norte
Oct 25	SPECIAL SEMINAR: Modelling Climate Change Impacts on Water Balance	Dr. Edwin A. Combalicer Assistant Professor Institute of Renewable Natural Resources College of Forestry and Natural Resources, UPLB
May 17	Factors Associated with the Effects of Flood Risks in Rice Farming Communities of Pototan, Iloilo	Prof. Stephen Rey P. Ligasan SEARCA PhD Research Scholar and Faculty, College of Arts and Sciences, West Visayas State University
May 3	Carbon Storage and the Role in Climate Change Mitigation of Caimpugan Peatland in Agusan Marsh, Philippines	Ms. Van Leeah B. Alibo SEARCA PhD Research Scholar and Instructor, Caraga State University
Apr 19	The Philippine Climate Change Program: Updates and the Potential Role of the Academic and R&D Sector	Mr. Naderev M. Saño Commissioner, Climate Change Commission Republic of the Philippines
Jan 25	The Philippine National REDD+ Strategy	For. Lourdes C. Wagan Chief, Planning and Project Management Services Division Forest Management Bureau Department of Environment and Natural Resources
Jan 4	A REDD+ Strategy for Global Cooperation and Greener Forests	Ms. Majah-Leah V. Ravago SEARCA PhD Research Scholar and PhD Candidate Department of Economics, University of Hawai'i Mānoa
2010		
Oct 26	Special Seminar Discover Green Gold on Marginal Land and Cattle for Climate Change Mitigation (CAPS)	Dr. Bambang Suwignyo Manager of Planning and Development Institute of Research and Community Services Gadjah Mada University, Indonesia
July 20	Diversity of Fungi in the Makiling Forest Reserve: Indicators of Productivity and Climate Change	Dr. Ernesto P. Militante Chair, Forest Biological Sciences College of Forestry and Natural Resources University of the Philippines Los Baños

Date	Topic	Speaker/Institution
July 16	SPECIAL SEMINAR Climate Change Implications for Plant Genetic Conservation	Dr. Von Mark Cruz USDA Agricultural Research Service Fort Collins, Colorado, USA
May 11	SEARCA Professorial Chair Lecture Mainstreaming Climate Change Adaptation in the Philippine Forestry and Natural Resources Sector	Dr. Diomedes A. Racelis Associate Dean and Associate Professor, College of Forestry and Natural Resources, University of the Philippines Los Baños
Mar 16	<i>Leucaena leucocephala</i> in Ruminant Feeding Management: Challenge and Opportunity in Production and Methane Emission Reduction	Mr. Bambang Suwignyo SEARCA PhD Research Scholar and Lecturer, Faculty of Animal Science, Gadjah Mada University, Indonesia
Mar 9	Aftermath of the Copenhagen Talks and its Challenges to the Newly-Formed Climate Change Commission	Atty. Mary Ann Lucille L. Sering Commissioner, Nat'l Climate Change Commission, Office of the President, Philippines and Exec. Director, Climate Change Office, DENR
Mar 2	Knowledge Management for Disaster Risk Reduction and Climate Change Adaptation	Dr. Serafin D. Talisayon Professor, Technology Management Center University of the Philippines Diliman
Feb 18	SPECIAL SEMINAR: COP 15: What the Copenhagen Accord means	Dr. Henry Neufeldt Global Research Project Leader - Climate Change, World Agroforestry Centre, International Centre for Research in Agroforestry
Feb 11	SPECIAL SEMINAR: Soil Carbon Sequestration Under Conservation Tillage Systems on Faraon and Adtuyon Soil Series in Zamboanga Peninsula	Mr. Eriberto D. Salang SEARCA PhD Research Scholar and Associate Professor, College of Agriculture, Western Mindanao State University
Jan 5	Monitoring of Rice Cropping Systems and Agro-drought in the Vietnamese Mekong Delta Using Time-series MODIS Data	Mr. Nguyen Thanh Son SEARCA Ph.D. Research Scholar, Department of Civil Engineering, National Central University, Taiwan (R.O.C.)
2009		
Oct 22	Weather Insurance: A New Approach for Agricultural Insurance in the Philippines	Dr. Milton Boyd Professor and Economist, Department of Agribusiness and Agricultural Economics, University of Manitoba, Winnipeg, Canada
Sep 15	African Agriculture in the 21st Century: A Case of Water Efficient Maize for Africa (WEMA)	Dr. Francis L. Nang'ayo Manager and Head, Regulatory Affairs Unit, African Agricultural Technology Foundation, Nairobi, Kenya
May 5	SEARCA Professorial Chair Lecture: Disaster and Development: Livelihood Constraints and Vulnerabilities to Typhoons in Two Agricultural Communities in Vietnam and the Philippines	Dr. Doracie Zoleta Nantes Professor, UP Diliman

Date	Topic	Speaker/Institution
Feb 17	SPECIAL SEMINAR Fossil Fuels, Climate Change and Philippine Energy Alternatives	Dr. Kelvin S. Rodolfo Professor Emeritus, Dept. of Earth & Environmental Sciences, University of Illinois at Chicago, Adjunct Professor, Nat'l. Institute of Geological Sciences, University of the Philippines Diliman, Balik Scientist, Department of Science and Technology
2008		
Dec 4	SPECIAL SEMINAR Urban Transformation and Carbon Footprint of Megacities in Japan and China	Dr. Shinji Kaneko Associate Professor, Graduate School for International Development and Cooperation, Hiroshima University, Japan
Sep 9	ICRISAT's Crop Adaptation to Climate Change	Dr. Ashok Kumar Scientist and Expert in Sorghum Breeding, ICRISAT, India
Jun 26	Special Seminar Frequency Analysis of Extreme Hydrologic Events and Water Stress in a Changing Climate	Dr. Felino P. Lansigan Professor, UPLB Institute of Statistics, and SEARCA Fellow
Apr 15	Reducing Upland Poverty, Mitigating Climate Change Impacts, Increasing Biofuel Sources, and Providing Sustainable Supply of Raw Water through Implementation of Community-based Equitable Payment for Watershed Services	Dr. Tonie O. Balangue Executive Director, Resources, Environment and Economics Center for Studies, Inc. (REECS), Quezon City
Apr 11	Special Seminar Communicating Climate Change	Dr. Juan M. Pulhin Associate Professor, CFNR, UP Los Baños, Laguna
Mar 4	SEARCA Professorial Chair Lecture: Sustaining Rice Agriculture through Physiological Profiling of Rice Cultivars for Salt Tolerance	Dr. Maribel L. Dionisio-Sese Professor, Institute of Biological Sciences, UP Los Baños, College, Laguna
2006		
Jun 5	Sea Level Rise and Mangrove Plants	Dr. Honorato Palis Chief, Mangrove Section, Ecosystems Research and Development Bureau, Department of Environment and Natural Resources College, Los Baños, Laguna
Mar 13	Climatic Variability and Climate Change: Impacts and Coping Strategies in Crop Production Systems	Dr. Felino P. Lansigan Professor, Institute of Statistics, UPLB
Department of Agriculture (DA) Lecture Forum, DA, Quezon City, Philippines 2010 – 1		
Date	Topic	Speaker
May 26	Planting the Seeds of Change: The Philippines and the Climate Change Challenge	Mr. Naderev M. Saño Commissioner, Philippine Climate Change Commission

Online Platform and Publications

Online Platform

Knowledge Center on Climate Change Adaptation in Agriculture and Natural Resource Management in Southeast Asia (KC3) www.climatechange.searca.org

The Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA)'s KC3 is a one-stop-shop of information on climate change adaptation in agriculture and natural resource management in the region. It features SEARCA's projects, learning events, publications, and other climate change initiatives.

Books – 2

1. Sajise, P.E., Saguiguit, G.C. Jr., Ticsay, M.V. 2010. *Moving Forward: Southeast Asian Perspectives on Climate Change and Biodiversity*, Singapore: Institute of Southeast Asian Studies and Philippines: Southeast Asian Regional Center for Graduate Study and Research in Agriculture
2. Balisacan, A.M., Burnett, K.M., Roumasset, J.A. 2010. *Sustainability Science for Watershed Landscapes*, Singapore: Singapore: Institute of Southeast Asian Studies and Philippines: Southeast Asian Regional Center for Graduate Study and Research in Agriculture

Policy Briefs – 14

1. Lasco, Rodel D., Roberta Gerpacio, Patricia Ann J. Sanchez, and Rafaela Jane P. Delfino. 2008. "Philippine Environment and Climate Change: An Assessment of Policies and their Impacts." *SEARCA Policy Brief Series 2008-2*. Los Baños, Philippines: SEARCA.
2. Sibayan, L.R. 2007. Mitigating the Worst Impact of Natural Disasters. *SEARCA Policy Brief Series 2007-6*. Los Baños, Laguna, Philippines.
3. Lasco, Rodel D. 2008. "Tropical Forests and Climate Change Mitigation." *SEARCA Policy Brief Series 2008-6*. Los Baños, Philippines: SEARCA.
4. SEARCA. 2008. "Flood- and Typhoon-Proofing Communities: Learning from the Vietnam Experience." *SEARCA Policy Brief Series 2008-7*. Los Baños, Philippines: SEARCA.
5. Castillo, Gelia T. 2009. "CURE Approach amidst Rice Crisis and Changing Climate." *SEARCA Policy Brief Series 2009-7*. Los Baños, Philippines: SEARCA.
6. Sawa, Akihiro. 2009. "Japan's Agenda after COP15: Forget Numerical Targets, Give the World a Framework." *SEARCA Policy Brief Series 2009-8*. Los Baños, Philippines: SEARCA.
7. Rola, Agnes C., and Asa Jose U. Sajise. 2010. "Food Security under Climate Risk: Conservation Farming and Upland Corn in the Philippines." *SEARCA Policy Brief Series 2010-6*. Los Baños, Philippines: SEARCA.
8. Manzanilla, Digna O., and David E. Johnson. 2010. "Developing "Climate-Ready" Rice to Safeguard Livelihoods in the Fragile Ecosystems." *SEARCA Policy Brief Series 2010-7*. Los Baños, Philippines: SEARCA.
9. Ella, Victor B. 2011. "Simulating the Hydraulic Effects of Climate Change on Groundwater Resources Using a Numerical Groundwater Model." *SEARCA Policy Brief Series 2011-2*. Los Baños, Philippines: SEARCA.

10. Jadina, Beatriz Cuevas. 2012. "Landslide occurrences in the Philippines: Contributing factors and implications to local governance." *SEARCA Policy Brief Series 2012-2*. Los Baños, Philippines: SEARCA.
11. Ancog, Rico, and Mariliza V. Ticsay. 2013. "Climate Change Adaptation in Agriculture in Southeast Asia: Broad Trends and Some Policy and Research Recommendation." *SEARCA Policy Brief Series 2013-2*. Los Baños, Philippines: SEARCA.
12. SEARCA, IGES. 2012. *Improving the Sub-national Capacity to Adapt to Climate Change in Agriculture*. Los Baños, Philippines: SEARCA.
13. SEARCA, IGES. 2014. *Climate-smart Agriculture: The Action Agenda for Southeast Asia*. Los Baños, Philippines: SEARCA.
14. SEARCA, IGES. 2015. *Agricultural Innovation: Options for Appropriate Technologies in Responding to Climate Change*. Los Baños, Philippines: SEARCA.

Research, Experience and Learning Notes/Briefs – 17

Agriculture and Development Notes on Climate Change Adaptation (ADN-CCA)

1. Phirum, Am. 2011. "Improving Rice Production in a Changing Climate." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 1, no. 1. Los Baños, Philippines: SEARCA.
2. Hanh, Le Thi. 2011. "Mangroves for Climate Change Adaptation: The Case of Thua Thien Hue, Vietnam." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 1, no. 2. Los Baños, Philippines: SEARCA.
3. Meta, Bun Chan. 2011. "Community-based Ecotourism: Livelihood cum Adaptation Strategy for Kampong Speu Province, Cambodia." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 1, no. 3. Los Baños, Philippines: SEARCA.
4. Concepcion, Rogelio N., Maria Victoria O. Espaldon, Sylvie Lewicki-Dhainaut, Ranell Martin M. Dedicataria, and Edwin R. Abucay. 2011. "Coping with Extreme Climatic Events: Stories of Resiliency in the Philippines." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 1, no. 4. Los Baños, Philippines: SEARCA.
5. Lansigan, Felino P., Gernot Laganda, Reiner Wassman, and Anan Polthanee. 2012. "A Systems Approach to Reducing Risks in Rice Production in Southeast Asia." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 1, no. 5. Los Baños, Philippines: SEARCA.
6. Alam, Mozaharul, Louis Lebel, Lucille Elna de Guzman, and Oscar Zamora. 2012. "Community-based Adaptation to Climate Change in Southeast Asia." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 1, no. 6. Los Baños, Philippines: SEARCA.
7. Salceda, Joey Sarte. 2012. "Adapting to Climate Change: Strategies of Albay, Philippines." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 2, no. 1. Los Baños, Philippines: SEARCA.
8. Golez, Ronaldo. 2012. "Climate Field-School: An Innovative Approach to Agricultural Production." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 2, no. 2. Los Baños, Philippines: SEARCA.
9. Crisostomo, Ron P. 2012. "Gearing up Towards Community-based Climate Change Programs." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 2, no. 3. Los Baños, Philippines: SEARCA.
10. Manalo, David M. 2013. "Bell and Bottle Technology: Community-based Early Warning System." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 2, no. 4. Los Baños, Philippines: SEARCA.

11. Idzenga, Auke. 2013. "Hydraulic Ram Pump: A Practical Solution to Climate Change." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 2, no. 5. Los Baños, Philippines: SEARCA.
12. Cruz, Rex Victor O. 2013. "Watershed Management and Governance in a Changing Climate." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 2, no. 6. Los Baños, Philippines: SEARCA.
13. La Viña, Antonio G.M. 2013. "REDD+ for Climate Change: Ensuring the Rights of Local Communities." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 3, no. 1. Los Baños, Philippines: SEARCA.
14. Sandoval, Roberto Jr., and Stephen Baas. 2013. "Adapting to Climate Change: The Cordillera Experience." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 3, no. 2. Los Baños, Philippines: SEARCA.
15. Mendoza, Maria Emilinda T., Vicente G. Ballaran, Jr., Jamie Kim B. Arias, and Bessie M. Burgos. 2014. "A Transdisciplinary Approach to Climate Change Adaptation." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 3, no. 3. Los Baños, Philippines: SEARCA.
16. Arias, Jaime Kim B., Rowena A. Dorado, Maria Emilinda T. Mendoza, and Vicente G. Ballaran, Jr. 2014. "Flood Early Warning System: Viable Low-cost Adaptation for lakeshore Municipalities in the Sta. Cruz River Watershed." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 3, no. 4. Los Baños, Philippines: SEARCA.
17. Pulhin, John M. 2014. "Mainstreaming Climate Change Adaptation in the Agriculture Sector in Southeast Asia: Challenges and Lessons Learned." *Agriculture and Development Notes on Climate Change Adaptation*, vol. 3, no. 5. Los Baños, Philippines: SEARCA.

Proceedings – 5

1. SEARCA 2008. Proceedings of the Experts' Roundtable Discussion entitled "Towards Effective Disaster Management for Sustainable Agriculture in Southeast Asia" held on 19 Jan 2007, Richmond Hotel, Ortigas Center, Pasig City, Philippines.
2. SEARCA 2008. *Realizing Challenges, Exploring Opportunities*. Proceedings of the "International Conference-Workshop on Biodiversity and Climate Change in Southeast Asia: Adaptation and Mitigation" held on 19-20 Feb 2008, Sofitel Philippine Plaza, Pasay City, Philippines
3. SEARCA. 2013. *International Conference on Climate Change Impacts and Adaptation for Food and Environmental Security: Summary Report*. Los Baños, Philippines: SEARCA.
4. SEARCA. 2013. *Climate Change Adaptation in Watersheds for Water, Food, and Environmental Security in Southeast Asia: Training Report*. Los Baños, Philippines: SEARCA.
5. SEARCA. 2014. *Integrating Climate Change Adaptation into Policies, Plans and Investments: A Training Workshop for the Philippine Agriculture and Fisheries Sector. Training Completion Report*. Los Baños, Philippines: SEARCA.

Discussion Paper Series – 4

1. Ella, Victor B. 2011. "Simulating the Hydraulic Effects of Climate Change on Groundwater Resources in a Selected Aquifer in the Philippines Using a Numerical Groundwater Model." *Discussion Paper Series 2011-1*. Los Baños, Philippines: SEARCA.
2. Kim, Chang-Gil. 2009. "Strategies of the Agriculture Sector in Korea for the Post-Kyoto Regime." *Discussion Paper Series 2009-4*. Los Baños, Philippines: SEARCA.
3. Oo, Khin, and Theingi Myint. 2010. "Impacts of Cyclone Nargis on Livelihood, Food Security and the Agriculture Sector in Myanmar." *Discussion Paper Series 2010-1*. Los Baños, Philippines: SEARCA.
4. Jadina, Beatriz C. 2013. "GIS-aided Biophysical Characterization of Southern Leyte Landscape in Relation to Landslide Occurrences." *Discussion Paper Series 2013-2*. Los Baños, Philippines: SEARCA.

Other Publications – 5

1. SEAMEO (Southeast Asian Ministers of Education Organization). 2010. *Integrating Climate Change Issues in Southeast Asian Schools: A Teachers' Guidebook*. Penang, Malaysia: RECSAM.
2. Sajise, Asa Jose, Mercedita Sombilla, and Rico Ancog. 2012. *Socioeconomics of Climate Change in the Philippines: A Literature Synthesis (1990–2010)*. Los Baños, Philippines: SEARCA.
3. IGES, and SEARCA. 2012. *A Review of Issues and Challenges in Climate Change and Agriculture in Southeast Asia*. Los Baños, Philippines: SEARCA.
4. IGES, SEARCA. 2013. *Technical Report: Current Trends in Climate Change Adaptation in Agriculture in Southeast Asia*. Hayama, Japan: IGES.
5. Lansigan, Felino P. 2015. *Implementation Issues in Weather Index-based Insurance for Agricultural Production: A Philippine Case Study*. Hayama, Japan: IGES; Los Baños, Laguna, Philippines: SEARCA.