

UPDATES ON THE UMBRELLA PROGRAM ON CLIMATE CHANGE ADAPTATION AND MITIGATION FOR SOUTHEAST ASIA (CChAM-SEA) FRAMEWORK FOR COLLABORATION, 2015-2020
As of May 2018

I. Research and Technical Assistance

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|--|---|---------------------------|--|--|--|------------------|
| Sub-Theme 4.3. Enabling policies and institutional mechanisms to mainstream integration of adaptation and mitigation in ARD planning | <i>ADB TA 7189-INO: Institutional Strengthening for Integrated Water Resources Management in the 6 Cis River Basin Territory (Package E)</i> | January 2011 – March 2016 | Strengthen the institutional capacity of the National, Provincial and Municipal governments of the Republic of Indonesia, in accordance with the 2004 Water Law with implementation directed through common strategic planning | AECOM Asia as the Lead Firm. Funded by the Asian Development Bank. | <ul style="list-style-type: none"> ▪ increased ability of the stakeholders to successfully and efficiently manage the Water Resources to cope with climate change impact in the CRB area | Completed |
| Sub-Theme 4.3. Enabling policies and institutional mechanisms to mainstream integration of adaptation and mitigation in ARD planning | <i>TA-8493 PHI: Climate Resilience and Green Growth in Critical Watersheds (46441-001)</i> | April 2014 – June 2017 | Integrate climate change and disaster risk reduction and management (DRRM) into national, sector, and local development plans and programs | Asian Development Bank | <ul style="list-style-type: none"> ▪ Project brochures for each of 9 LGUs ▪ LGU-specific case study reports (e.g., GHG inventory) ▪ Vulnerability and impact assessment reports in priority sectors (e.g., water resources, agriculture, transport) for each watershed ▪ Four guidance manuals (a) baseline calculation methodology, (b) GHG inventory, (c) economic valuation of natural resources and ecosystem services, and (d) Payment for Ecosystem Services | Completed |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---|---|--------------------------------|---|--|---|-----------|
| Sub-Theme 4.3. Enabling policies and institutional mechanisms to mainstream integration of adaptation and mitigation in ARD planning | TA-8111 PHI: Climate Resilience and Green Growth in the Upper Marikina River Basin Protected Landscape: Demonstrating the Eco-town Framework (46225-001) | November 2012 – September 2015 | <ul style="list-style-type: none"> demonstrate the eco-town framework in the Upper Marikina River Basin Protected Landscape and strengthen the capacity of local government units (LGUs) for mainstreaming green, climate resilient growth options in development planning | Asian Development Bank | <ul style="list-style-type: none"> full socio-economic profiling at the UMRBPL, climate modeling and risk assessment, greenhouse gas (GHG) inventory production of GIS maps; and at least five knowledge products on topics such as stakeholder perceptions on green growth and climate resilience, GHG inventory at the LGU level, green growth road map development, ecosystems valuation, and demonstration of eco-town framework | Completed |
| <p>•Sub-Theme 3.4 Climate risk reduction and sharing in agriculture and rural development (e.g. early warning system and agricultural insurance) that benefit smallholder/poor communities</p> <p>Also falls under Sub-Theme 4.3. Enabling policies</p> | Strengthening Implementation of Adaptation and Mitigation Initiative in Agriculture (AMIA Project 1) | April 2015 – December 2016 | <ul style="list-style-type: none"> strengthen its capacity in providing highly responsive (efficient and resilient) agriculture and fishery support services as envisaged in its Adaptation and Mitigation Initiatives in Agriculture (AMIA) program | Department of Agriculture, Philippines | <ul style="list-style-type: none"> recommendations to make DA's policies, planning, operations, monitoring, and evaluation functions related to its key mandates, namely Research and Development (R&D), Agriculture and Fishery Regulation, and Agricultural Extension, Climate Change-resilient review of DA's planning, monitoring and evaluation systems including the reformulation of Agriculture Rehabilitation Plan for Yolanda-Affected Areas and recommendations on systems and procedures to | Completed |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---|--|------------------------|--|---|--|------------------|
| and institutional mechanisms to mainstream integration of adaptation and mitigation in ARD planning | | | | | achieve CC-resiliency in DA's plans and budget <ul style="list-style-type: none"> ▪ establishment and operation of an Integrated Climate Change Geographic Information System (ICCGIS) laboratory at the central office and the production of multi-hazard and crop suitability maps in support of DA's functions ▪ review and formulation of policies on disaster risks reduction and management (DRRM) ▪ initial capacity building interventions to key DA officers; and ▪ initial institutional assessment; and the conduct of special studies in support of above concerns | |
| Sub-Theme 4.2. Decision support tools for policy advocacy and development and investment choices in climate resilient ARD | <i>Coordination of the ASEAN Network on Promoting Climate Resilience of Rice and Other Crops – ASEAN-German Programme on Response to Climate Change (GAP-CC)</i> | December 2013-May 2015 | <ul style="list-style-type: none"> ▪ To promote a common understanding of the climate change related threat to the agriculture sector focused on selected crops (rice, maize and cassava); ▪ To identify successful practices and policies at AMS level for tackling these climate change related threats that can be promoted and up-scaled; and ▪ To identify common concerns and capacity needs, and propose | Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) Indonesia | <ul style="list-style-type: none"> ▪ facilitate the regional platform; and ▪ establish national research teams in the seven pilot countries with the aim of identification and formulation of regional support measures in strengthening climate resilience of the selected value chains | Completed |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---|--|---|---|---|---|--|
| | | | regional support strategies and instruments to address these in a coherent manner | | | |
| <p>Sub-Theme 4.1. Analysis of policies constraining and facilitating current and emerging policies with pilot policy intervention case studies for climate resilient ARD</p> | <p><i>Piloting and Upscaling of Effective Inclusive and Sustainable Agricultural and Rural Development (ISARD) Models/Agricultural Systems</i></p> <ul style="list-style-type: none"> • Revitalizing Calamansi Industry in Victoria, Oriental Mindoro through Strengthening Linkages Among Farmers, LGU, NGAs, SUCs, CSOs and the Private Sector • Piloting Models of ISARD: Strengthening Linkages among Farmers, Government, and Industry Sector for Inclusive and Sustainable Rural Development in Inopacan, Leyte | <p>Dec 2015 – Nov 2018</p> <p>Mar 2016 – Feb 2019</p> | <ul style="list-style-type: none"> ▪ Harvest SEARCA’s 40 year-experience in ARD and bring this to bear upon the lives of the rural poor and vulnerable sectors in the Region; ▪ Enhance the capacity of communities and partner institutions in effective agricultural systems that demonstrate increased benefit for the poor and vulnerable groups through integrated ground-level interventions; and ▪ Assess the enabling environment, processes and performance in implementing effective agricultural systems. ▪ Specifically, <ul style="list-style-type: none"> ➢ Showcase need-based productivity-enhancing and environment-friendly technologies and practices and other critical elements of people-centered development; ➢ Draw lessons and identify best practices that can be replicated and expanded in other areas; ➢ Institutionalize active community and local institutions’ participation to ensure sustainability of ISARD models and projects; and ➢ Identify anticipated outcomes and impact, and use them to formulate adaptive measures/interventions as well as to integrate the design of | <p>VSU, ViCAARP and Inopacan, Leyte LGU; MinSCAT and Victoria, Oriental Mindoro LGU</p> | <ul style="list-style-type: none"> ▪ Enhance the capacity of communities and partner institutions in effective agricultural systems that demonstrate increased benefit for the poor and vulnerable groups, as well as assess the enabling environment, socio-economic processes and overall performance in implementing effective agricultural systems. <ul style="list-style-type: none"> ➢ A well-established set of need-based productivity-enhancing and environment-friendly technologies and practices and other critical elements of people-centered development; ➢ A set of recommendations based on lessons drawn and identified best practices that can be used to formulate strategies for replicating and expanding the project in other areas; ➢ Institutionalization of active community and local institutions’ participation, through local legislation, that is meant to ensure | <p>Ongoing</p> <p><u>Victoria, Oriental Mindoro</u></p> <ul style="list-style-type: none"> ▪ Conducted Training on Climate Change Adaptation: What to do and How to Cope with El Niño ▪ Signed MOA last 1 February 2016 ▪ Conducted Participatory Rural Appraisal and Action Planning ▪ Conducted Action Planning Workshop for Demo Farm Establishment ▪ Formed a DOLE registered farmers’ organization, Victoria Kalamansi Farmers Federation (VKFF) as part of ISARD Piloting’s Organizational Development ▪ Conducted ISARD Study Tour of Victoria Partners to VSU ▪ Conducted Production Training Series: Preparation of Planting Materials ▪ Distributed Rehab Support and signed MOU on Establishment of Demonstration Farms |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|------------------------|-------|-----------------------|---|-------------------|--|--|
| | | | <p>impact evaluation studies within the Project design.</p> | | <p>sustainability of ISARD models and projects; and</p> <ul style="list-style-type: none"> ➤ Identified set of outcomes and impact that can be used to formulate adaptive measures and interventions, and integration of the design of impact evaluation studies within the Project design. | <ul style="list-style-type: none"> ▪ Conducted Product Development: Training on Primary Processing of Calamansi ▪ Conducted workshop on Results-based Monitoring and Evaluation ▪ Conducted Project Steering Committee Meeting ▪ Conducted Training on Organizational Development ▪ Conducted Training on Primary Processing of Calamansi (2nd level) ▪ Conducted Training on Action Research Methodologies and Cash Crop Farming ▪ Conducted Training on Knowledge Management ▪ Conducted Training on Farm Record Keeping ▪ Conducted Training on Financial Management ▪ Conducted Training on Supply Chain Improvement ▪ Conducted Training on Marketing Management ▪ Conducted Training on Microfinancing Scheme <p><u>Inopacan, Leyte</u></p> <ul style="list-style-type: none"> ▪ Signed MOA last 31 March 2016 |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---|---|-----------------------------|--|-----------------------------------|---|--|
| | | | | | | <ul style="list-style-type: none"> ▪ Conducted ISARD Consultation with Growers of Inopacan, Leyte ▪ Conducted Growers Exposure to Experts and ‘Experienced’ ▪ Distributed Planting Materials, Fingerlings and Demo Farms Establishment ▪ Launched Demonstration Farms ▪ Conducted Training on Bamboo Rainforestation ▪ Distributed farm inputs and rehab support ▪ Conducted Training on Jackfruit Production ▪ Conducted Training on Project Proposal Development and Grantmanship ▪ Conducted Training on Value Chain Analysis and Improvement/Development ▪ Conducted Training on Business Planning |
| <p>Sub-Theme 3.1. Tested, effective and proactive adaptation technologies and practices in agricultural and rural livelihoods</p> | <p><i>Participatory Action Research on School- and Community-Based Food and Nutrition Program for Literacy, Poverty Reduction and Sustainable Development</i></p> | <p>Jan 2016 – June 2017</p> | <ul style="list-style-type: none"> ▪ Improve the nutritional condition and dietary habits of school-aged children by increasing production of locally adapted vegetables through school gardening and consequently contribute to the community’s food and nutrition security; | <p>DepEd Laguna; UPLB; SEAMES</p> | <p>Phase 1. Preliminary Phase</p> <ul style="list-style-type: none"> ▪ The preliminary phase includes the selection of pilot schools, conduct of planning workshop, assessment of existing school gardens, baseline study on the nutritional status of children, preparation of garden plans, | <p>Completed</p> <p>Key Accomplishments:</p> <ul style="list-style-type: none"> ▪ Improved nutrition, knowledge, attitude, and practices towards vegetable consumption and production; |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---|---|--------------------|---|---------------------------|--|---|
| <p>that meet the needs of vulnerable groups/ communities and geographic areas</p> <p><i>also falls under</i></p> <p>Sub-Theme 3.5. Role of various sectors (government, private sector, and civil society) in transformational adaptation</p> | | | <ul style="list-style-type: none"> ▪ Increase diversity and availability of food within the local community that will meet the nutritional needs of children; ▪ Increase the knowledge and improve the skills of students and teachers on food production and nutrition through experiential learning activities that inculcate the importance of agriculture, environmental concerns, and the use of locally adapted green technologies; and ▪ Reduce families' food expenses, create savings, and provide an alternative source of income for families to alleviate poverty. | | <p>curricula review and acquisition of garden inputs and structures.</p> <p>Phase 2. Establishment and Maintenance Phase</p> <ul style="list-style-type: none"> ▪ Phase 2 involves the establishment and maintenance of the school gardens, development of lesson plans integrating agriculture and nutrition concepts to the current curriculum, development of training manuals, organization of core groups and establishment of linkages and cross-visits and monitoring of project sites. <p>Phase 3. Value-Adding Phase</p> <ul style="list-style-type: none"> ▪ Phase 3 includes the following activities: harvesting of produce, assessment of garden produce and utilization, end line study on the nutritional status of children, awarding of outstanding school garden, and development of upscaling strategy. | <ul style="list-style-type: none"> ▪ Enhancement of the pilot schools' respective existing gardens; ▪ Preparation of 125 lesson plans integrating the concepts of nutrition, organic agriculture, CC mitigation and adaptation, and solid waste management; ▪ Improved supply and quality of fresh vegetables for the school-based feeding program |
| Sub-Theme 3.6. Cross-cutting Concerns | Seed Fund for Research and Training (SFRT) | | <ul style="list-style-type: none"> ▪ Provide start-up funds to researchers and scientists who can make significant contributions to the development of the region but lack the funds to carry out their projects | Southeast Asian nationals | <ul style="list-style-type: none"> ▪ A research report which can be published as a discussion paper ▪ At least one policy brief or research/learning/experience note | Ongoing Program |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---|--|---------------------|---|--------------------------|---|--|
| | | | <ul style="list-style-type: none"> Build capacities of researchers to develop research proposals and conduct the research, mindful of inherent technical, financial, and administrative responsibilities of such an undertaking Expand SEARCA's reach in terms of research, capacity building, and contribution to the body of knowledge on ISARD in the region | | <ul style="list-style-type: none"> When possible, presentation of research results in at least one scientific forum/conference | |
| <p>Sub-Theme 4.3. Enabling policies and institutional mechanisms to mainstream integration of adaptation and mitigation in ARD planning</p> <p>also falls under</p> <p>Sub-Theme 4.2. Decision support tools for policy advocacy and development and investment choices in climate resilient ARD</p> | <i>Policy Roundtable on Ensuring Food Security through Improving the Agricultural Insurance Program to Enhance Resilience to Climate Change</i> | 29 - 30 Jul 2015 | <ul style="list-style-type: none"> Conduct policy roundtables/ dialogues for ASEAN and transition economies of Southeast Asia | PCIC; PhilRice; FSC; AMS | <ul style="list-style-type: none"> One RTD with partner agencies/organizations and various participants from Southeast Asian countries | <p>Completed</p> <ul style="list-style-type: none"> Major Output of the RTD – Draft Statement that articulates the recommendations of participants and highlights the need for two major lines of agricultural insurance— traditional products and index-based insurances—to protect the very farmers with whom we entrust food security in our region. Statement sent out to all participants for endorsement to their respective Heads of Office. Proceedings undergoing final review for release. Summary proceedings report readied to be passed on to KRU. |
| Sub-Theme 4.3. Enabling policies | <i>Coordination of the ASEAN Network on Promoting Climate Resilience of Rice and Other Crops – ASEAN-</i> | Dec 2013 – May 2015 | <ul style="list-style-type: none"> To promote a common understanding of the climate change related threat | (GIZ) Indonesia; ATWGARD | <ul style="list-style-type: none"> Facilitate the regional platform | Completed |

| CChAM-SEA Sub-Theme | Title | Duration/Coverage | Objectives | Partner/Donor | Outputs/Expected Outputs | Status |
|---|--|--------------------------------|--|--|---|--|
| and institutional mechanisms to mainstream integration of adaptation and mitigation in ARD planning | <i>German Programme on Response to Climate Change (GAP-CC)</i> | | <p>to the agriculture sector focused on selected crops (rice, maize and cassava)</p> <ul style="list-style-type: none"> To identify successful practices and policies at AMS level for tackling these climate change related threats that can be promoted and up-scaled To identify common concerns and capacity needs, and propose regional support strategies and instruments to address these in a coherent manner | | <ul style="list-style-type: none"> Establish national research teams in the seven pilot countries with the aim of identification and formulation of regional support measures in strengthening climate resilience of the selected value chains | |
| Sub-Theme 3.6. Cross-cutting Concerns | <i>IFS-SEARCA Collaborative Research Grants on Climate Change Adaptation and Mitigation in Southeast Asia</i> | Aug 2015 – Dec 2019 | <ul style="list-style-type: none"> Strengthen research capacity in food and nutrition security and environmental sustainability toward inclusive and sustainable agricultural and rural development in Southeast Asia Specifically, strengthen collaborative research capacity of young researchers and scientists in the field of Climate Change Adaptation and Mitigation (CChAM) as it relates to agriculture and rural development in the region | IFS; CCAFS; young career scientists in SEA | <ul style="list-style-type: none"> Collaborative research studies aimed at providing science-based solutions to current issues and concerns in climate change adaptation and mitigation | <p>Ongoing</p> <ul style="list-style-type: none"> 12 teams awarded with grants and are now implementing their respective collaborative research Mentors, subject matter experts and those well-versed in collaborative research, have been shortlisted and are available to the teams for consultation in the course of proposal preparation as well as during the actual research/project. |
| Sub-Theme 1.4. Development and testing of vulnerability/risk assessment tools for agriculture, forestry and fisheries | <i>National Action Plans for Mitigation in Rice: Comparative Assessment of Institutional Setting and Possible Entry Points for Intervention in the Philippines and Vietnam</i> | 15 July 2016 - 31 January 2017 | <ul style="list-style-type: none"> to identify bottlenecks in the implementation process and entry points for international institutions to support implementation of national mitigation plans in the rice sub-sector to highlight key stakeholders and their roles as well as posit | International Rice Research Institute | <ul style="list-style-type: none"> Improved level of understanding of the dynamics of implementation of climate change mitigation policy, particularly in the rice sub-sector, in the Philippines and Vietnam. | <p>Completed</p> <p>Outputs:</p> <ul style="list-style-type: none"> Improved level of understanding of the dynamics of implementation of climate change mitigation policy, particularly in the rice sub- |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---|---|-----------------------------------|---|--------------------------------------|--|---|
| <p>Sub-Theme 2.2. Determination of low-emission agricultural/rural livelihood technologies and practices</p> <p>Sub-Theme 3.2 Indigenous knowledge and practices in climate change adaptation</p> | | | <p>recommendations on how to effectively involve them to successfully reduce the carbon footprint of rice production in the Philippines and Vietnam</p> | | <ul style="list-style-type: none"> ▪ Better grasp of the INDCs, national climate change action plans, related initiatives in GHG mitigation in the rice sub-sector and the resources entailed. ▪ Identified potential bottlenecks in the implementation of national mitigation plans in the rice sub-sector. ▪ Possible entry points for interventions in support of the implementation of national mitigation plans in the rice sub-sector. ▪ Understanding how climate change policies developed at the national level are translated to the local level. ▪ Recommendations on effectively involving stakeholders to reduce the carbon footprint of rice production in the Philippines and Vietnam. | <p>sector, in the Philippines and Vietnam</p> <ul style="list-style-type: none"> ▪ Better grasp of the INDCs, national climate change action plans, related initiatives in GHG mitigation in the rice sub-sector and the resources entailed ▪ Identified potential bottlenecks in the implementation of national mitigation plans in the rice sub-sector ▪ Possible entry points for interventions in support of the implementation of national mitigation plans in the rice sub-sector ▪ Understanding how climate change policies developed at the national level are translated to the local level ▪ Recommendations on effectively involving stakeholders to reduce the carbon footprint of rice production in the Philippines and Vietnam |
| <p>Sub-Theme 4.1. Analysis of</p> | <p>ASEAN Social Forestry Network Strategic Response Fund (ASFN Flexible Funding Mechanism)</p> | <p>April 2014 – February 2017</p> | <ul style="list-style-type: none"> ▪ to enable the AMS Focal Points to quickly respond to emerging issues | <p>ASEAN Social Forestry Network</p> | <ul style="list-style-type: none"> ▪ provide funds and/or need-based services which could | <p>Completed</p> |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---|--|-----------------------|---|---|---|---|
| <p>policies constraining and facilitating current and emerging policies with pilot policy intervention case studies for climate resilient ARD</p> <p>Sub-Theme 4.2. Decision Support tools for policy advocacy and development and investment choices in climate resilient ARD</p> <p>Sub-Theme 4.3 Enabling policies and institutional mechanisms to mainstream integration of adaptation and mitigation in ARD planning</p> | <p><i>ASEAN-Swiss Partnership on Social Forestry and Climate Change (ASFCC) Phase II</i></p> | <p>(35 months)</p> | <p>and challenges and articulate policy recommendations and directions on social forestry as it relates to climate change, food security, and poverty alleviation</p> | <p>(ASFN); Swiss Agency for Development and Cooperation (SDC); Center for International Forestry Research (CIFOR); Non-Timber Forest Product-Exchange Programme (NTFP-EP); Center for People and Forests (RECOFTC); World Agroforestry Centre (ICRAF)</p> | <p>include, but are not limited to, quick “turn-around” studies; exploratory reviews; meta-analysis/analytical studies and think pieces; study tours; dialogues/roundtable discussions; position or background papers as inputs to policy debates and decision-making; and very strategic training scholarships</p> | <ul style="list-style-type: none"> ❖ Number of Proposals Received – 30 ❖ Number of Projects Granted – 19 ❖ Project grantees are from eight AMS: <ul style="list-style-type: none"> ▪ Cambodia ▪ Indonesia ▪ Lao PDR ▪ Malaysia ▪ Myanmar ▪ Philippines ▪ Thailand ▪ Vietnam <p>Outputs:</p> <ul style="list-style-type: none"> • A coordinated social forestry policy framework is developed and integrated into ASEAN, and the national forest and climate change strategies of the member-states. • Local, national, and regional knowledge sharing, communication, and networking on Social Forestry and Climate Change is strengthened and put to use. • Learning interventions and best practices conducted in Social Forestry and Climate Change for |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---------------------|--|-----------------------------------|--|--|---|---|
| | | | | | | <p>broader implementation and policy development.</p> <ul style="list-style-type: none"> Produced 14 Series' Learning Notes which showcase key results of the projects implemented, its impact and corresponding strategies to advance social forestry in terms of socio-economic development, ecosystems integrity, equity and local empowerment, among others. |
| | <p><i>ASEAN Working Group on Social Forestry Strategic Response Fund (ASRF) under the ASEAN-Swiss Partnership on Social Forestry and Climate Change Phase III</i></p> | <p>March 2017 – February 2020</p> | <ul style="list-style-type: none"> To enable the AMS Leaders and Focal Points to quickly respond to emerging issues and challenges and articulate policy recommendations and directions on social forestry as it relates to climate change, food security, and poverty alleviation. To support regional/ASEAN-level initiatives of developing policy frameworks and guidelines for cross-sectoral collaboration in support of the ASEAN Multi-Sectoral Framework on Climate Change: Agriculture and Forestry towards Food Security (AFCC) 2016-2025, and the ASEAN Vision of Regional Cooperation in Food, | <p>ASEAN Working Group on Social Forestry (ASRF); Swiss Agency for Development and Cooperation (SDC); Center for International Forestry Research (CIFOR); Non-Timber Forest Product-Exchange Programme (NTFP-EP); Center for People and Forests (RECOFTC); World Agroforestry Centre (ICRAF)</p> | <ul style="list-style-type: none"> provide funds and/or need-based services which could be any of the following: quick “turn-around” studies; exploratory reviews; meta-analysis/analytical studies and think pieces; dialogues/roundtable discussions/national and local consultation; and learning exchange activities provide funds for AMS Leaders and Focal Points on social forestry to present a paper in a conference or forum relevant to their work on SF development of a Business Plan for ASRF to determine | <p>On-going</p> <ul style="list-style-type: none"> Submitted the Draft ASEAN Multi-Sectoral Framework for Climate Change: Agriculture and Forestry Towards Food and Nutrition Security and Achievement of SDGs (Proposed Integrated Framework for AFCC Component 4) to AWG-SF Secretariat and ASEAN Swiss Partnership on Social Forestry and Climate Change. Developed the ASRF Project Development Toolkit to assist AMS in |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---------------------|-------|--------------------|---|----------------|--|---|
| | | | Agriculture and Forestry (ASEAN-FAF) 2016-2025. | | how the fund can grow, analyzing possible fund leverage schemes from international donors and AMS. | <p>coming up with strategic proposals.</p> <ul style="list-style-type: none"> • The 14-series ASRF Learning Notes under ASFCC Phase 2, packaged as knowledge products, were printed as well as uploaded to the SEARCA website. • Generated gap analysis on Social Forestry of eight AMS. • Received and evaluated eight proposals from seven AMS namely, Cambodia, Lao PDR, Malaysia, Myanmar, Philippines, Thailand, and Vietnam. |

II. Knowledge Management, Graduate Education and Institutional Development

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---|--|--|---|--|---|------------------|
| Sub-Theme 4.3: Enabling policies and institutional mechanisms to mainstream integration of adaptation and mitigation in ARD | <i>Integrating Climate Change Adaptation into Policies, Plans and Programs in Agriculture: A Training-workshop for the Department of Agriculture Adaptation and Mitigation Initiative in Agriculture (AMIA) Teams and Focal Persons (3 runs)</i> | 4-7 August 2015; 20-23 October 2015; 3-6 November 2015 | <ol style="list-style-type: none"> 1. Understand climate change impacts and the need to integrate climate change adaptation (CCA) into policies, action plans, and project interventions in the agriculture sector; 2. Identify appropriate approaches for integrating climate change adaptation into policies, plans and programs at the | Department of Agriculture; UPLB Foundation, Inc. | Training Completion Report including Training Evaluation Report | Completed |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---|---|-----------------------|--|--|---|-----------|
| planning | | | national, regional, sectoral and project levels; and 3. Apply these systematic planning steps to selected cases in agriculture including its allied fisheries and forestry sectors towards developing flagship CCA initiatives. | | | |
| Sub-Theme 4.3: Enabling policies and institutional mechanisms to mainstream integration of adaptation and mitigation in ARD planning | <i>Training of DA Trainers on Integrating Climate Change Adaptation into Policies, Plans and Programs in Agriculture</i> | | 1. Explain the philosophy of training and management of learning; 2. Assess their own capacities as persons, facilitators and training managers; and 3. Apply the fundamental principles and methods of adult/experiential learning in designing and conducting a training course on Integrating Climate Change Adaptation into Policies, Plans and Programs in Agriculture. | Department of Agriculture; UPLB Foundation, Inc. | Training Completion Report including Training Evaluation Report | Completed |
| Sub-Theme 4.3: Enabling policies and institutional mechanisms to mainstream integration of adaptation and mitigation in ARD planning Sub-Theme 3.2 Indigenous knowledge and practices on climate change adaptation | <i>Overseas Study Mission on Climate Change Adaptation and Mitigation Initiatives in Agriculture in Vietnam, Thailand and Indonesia</i> | | 1. Describe the national policy and program on climate change adaptation and mitigation in agriculture in Vietnam, Thailand and Indonesia; 2. Draw insights on mainstreaming climate change adaptation into policies, plans and programs in Agriculture based on their exposure to programs and initiatives in Vietnam, Thailand and Indonesia; 3. Compare and assess best CCA practices and showcases on successful CCA projects, technologies and initiatives in Vietnam, Thailand and Indonesia for possible adaptation and replication in the Philippines; and | Department of Agriculture; UPLB Foundation, Inc. | Final Report | Completed |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---|--|------------------------------|---|---|------------------------------|------------------|
| | | | 4. Draw up a list of recommendations to improve policies and mechanisms that will support the application of new and science-based technologies and approaches on climate change adaptation in Agriculture. | | | |
| Sub-Theme 4.3: Enabling policies and institutional mechanisms to mainstream integration of adaptation and mitigation in ARD planning | <i>Responding to Climate Risks in Agriculture and Natural Resource Management: A Non-Formal Online Course</i> | 23 January-14 May 2016 | <ol style="list-style-type: none"> 1. Identify key strategies/approaches in mainstreaming climate change adaptation in their respective areas of concern; 2. Explain the basic process in developing climate change scenarios as well as why ensemble models are needed in projecting future climate; 3. Identify the vulnerable sites and groups in a community; 4. Identify the appropriate economic valuation tool/s that can be used to estimate the value of climate change impacts as well as the costs and benefits of adaptation and mitigation strategies; and 5. Explain the conditions required to effectively manage climate risk as well as the application of climate information in managing such risks in the agriculture and natural resources sector | UP Open University; Department of Agriculture; UPLB Foundation, Inc. | Certificate of Completion | Completed |
| Sub-Theme 4.3: Enabling policies and institutional mechanisms to mainstream integration of | <i>Online Course on Integrating Climate Change Adaptation and Disaster Risk Management in Policies, Plans and Investments Toward Inclusive and Sustainable Agricultural and Rural Development</i> | 5 September-14 December 2015 | <ol style="list-style-type: none"> 1. Review the evolving frameworks, approaches, and initiatives in CCA, mainstreaming CCA, and DRM vis-à-vis inclusive and sustainable agricultural and rural development (ISARD); 2. Describe and explain generic processes and requirements on | UP Open University The Oscar M. Lopez Center for Climate Change Adaptation and Disaster Risk | Completion Report | Completed |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|--|---|--------------------|---|--|--|-----------|
| adaptation and mitigation in ARD planning | | | integrating CCA and DRM toward ISARD; 3. Appropriate the application of specific methodologies and tools for integrating CCA and DRM toward ISARD. | Management Foundation, Inc. (OML Center) | | |
| Sub-Theme 4.3: Enabling policies and institutional mechanisms to mainstream integration of adaptation and mitigation in ARD planning | <i>The Policy Enabling Environment and Climate Change Adaptation in Inclusive and Sustainable Agricultural and Rural Development (ISARD): Second Knowledge Sharing Writeshop</i> | 13-15 April 2016 | 1. Share knowledge and experiences in the process involved in the formulation and implementation of top level policy on CCA by various countries in SEA. 2. Identify opportunities and modalities for fostering collaboration and networking among climate change adaptation practitioners, researchers and scientists and policymakers to consolidate information on the process involved in formulating a policy enabling environment for climate change adaptation in ISARD. 3. Identify possible indicators to assess the effectiveness of a policy environment which can promote CCA at various hierarchical levels. 4. Contribute to an enabling policy platform and technical capacity to support the implementation of applicable, effective and successful adaptation measures in the region. | OML Center | 1. Documentation and synthesis of lessons learned regarding the processes involved in formulating an effective enabling policy environment for promoting CCA and its impacts at various hierarchical levels in some countries in SEA; 2. Packaging of a second volume on CCA focusing on the enabling policies and environment in the context of ISARD in some countries of SEA; and 3. Strengthening of networking among CCA policy makers, practitioners, researchers, experts and scientists in the region. | Completed |
| Sub-Theme 4.3: Enabling policies and institutional mechanisms to mainstream integration of | <i>Symposium on "Media and Inter-Agency Collaboration to Mitigate Climate Change" (Panel Speakers: Dr. Bruce Tolentino, IRRI; Ms. Vilma Dimaculangan, DA-Region 4; and Representative from the DILG Region IV)</i> | 13 March 2015 | | | | Completed |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|--|---|-----------------------|--|---|---|---|
| adaptation and mitigation in ARD planning Sub-Theme 3.5 Role of Various sectors (government, private sector, and civil society) in transformational adaptation | | | | | | |
| Sub-Theme 3.6. Cross-cutting Concerns | <i>Establishing Joint Master's Program on Food Security and Climate Change</i> | 3-Year Project | <ul style="list-style-type: none"> ▪ The MS FSCC project aims to build a Joint Master of Science in Food Security and Climate Change to be offered by the five leading Southeast Asian higher education institutions in agriculture and life sciences from the Philippines, Indonesia, Thailand, and Malaysia. ▪ Ultimately, the Joint Master of Science in Food Security and Climate Change is envisaged to help develop a critical mass of high-quality, next generation of interdisciplinary professionals able to address the imposing challenges posed by climate change and food security in their country and the region. | Erasmus+ Programme of the European Union University Consortium; European universities; IAVFF-Agreenium and Agrinatura | Year 1: Come up with the curriculum and quality assessment mechanisms, training the faculty and staff on the delivery of the program, developing student handbook and guidelines on mobilities, and selection of the first batch of students | Ongoing <ul style="list-style-type: none"> ▪ Project Kick-Off Meeting was held on November 7-8, 2016 at SEARCA, Philippines ▪ In January 2017, a Circular Mission was done by the Project Leaders in the UC member universities. ▪ Project Leaders from KU and SEARCA participated in the kick-off meeting of the newly selected ERASMUS+ Capacity Building for Higher Education (CBHE) projects held on 25-26 January 2017 in Brussels, Belgium. ▪ The first Regional Workshop of the Project was held on February 14-16, 2017 at KU, Thailand. |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|--|--|-----------------------|--|-------------------|---|---|
| | | | | | | <ul style="list-style-type: none"> ▪ In July 2017, eleven (11) degree and six (6) non-degree students from Cambodia, Indonesia, Malaysia, the Philippines, and Thailand were selected for the first batch of MSFSCC and have actively participated in the Summer School held at Universitas Gadjah Mada in Yogyakarta, Indonesia from July 10-28, 2017. ▪ As of January 2018, nine students from the first batch will begin their mobility in their host or second university this second semester 2017-2018. |
| Sub-Theme 4.3: Enabling policies and institutional mechanisms to mainstream integration of adaptation and mitigation in ARD planning | <i>Short course on GIS Applications for Understanding the Effects of Climate Change to Agriculture</i> | 19-20 Oct 2015 | <ul style="list-style-type: none"> ▪ Introduce the concepts of GIS with a focus on using GIS as a tool in agricultural research ▪ Help researchers model potential effects of climate change on agriculture within the Asian context <p>Serve as an exposure workshop to have a better understanding of advanced GIS tools</p> | PDRF | <ul style="list-style-type: none"> ▪ Expose participants to GIS tools to fully appreciate its usefulness <p>Hands-on soil sample collection, tracking of GPS points, and determining GPS coordinates</p> | Completed |
| Sub-Theme 4.3: Enabling policies and institutional mechanisms to mainstream integration of | <i>Online course on Integrating Climate Change Adaptation and Risk Management Policies in Policies, Plans and Investments toward ISARD</i> | Sep 2014; Dec 2015 | <ul style="list-style-type: none"> ▪ Review the evolving frameworks, approaches, and initiatives in CCA, mainstreaming CCA, and DRM vis-à-vis inclusive and sustainable agricultural and rural development (ISARD) | UPOU; OML Center | <ul style="list-style-type: none"> ▪ Completion Report | Completed |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---|---|-----------------------|---|-------------------|------------------------------|-----------|
| adaptation and mitigation in ARD planning | | | <ul style="list-style-type: none"> ▪ Describe and explain generic processes and requirements on integrating CCA and DRM toward ISARD ▪ Appropriate the application of specific methodologies and tools for integrating CCA and DRM toward ISARD | | | |
| Sub-Theme 3.6. Cross-cutting Concerns | <p>SEARCA Scholar Theses:</p> <p><i>Socioeconomic Analysis of Climate Resilient Agricultural Technologies Comparison Across ASEAN, Aligning Food Security</i></p> <p><i>Socioeconomic analysis of climate resilient agricultural technologies comparison across ASEAN, aligning food security</i></p> <p><i>Changes in the Red River Level and the Role of Gender in Climate Change Adaptation</i></p> <p><i>Linear and Non-linear Statistical Downscaling Techniques with Mathematical Model to Monitor Effects of Climate Change on production, Quality, Pest, and Disease of Oil Palm</i></p> <p><i>Climate Change and Land Use effects on Hydrological Responses in a Selected Watershed</i></p> | | | | | Ongoing |
| Sub-Theme 3.6. Cross-cutting Concerns | <p>Professorial Chair:</p> <p><i>Phytoremediation: A Green Technology to Remove Pollutants for Soil, Sediment and Water Conservation (Annie Melinda Paz-</i></p> | | | CLSU | | Completed |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---|---|-----------------------|------------|-------------------|------------------------------|-----------|
| | <i>Alberto, Central Luzon State University, Philippines)</i> | | | | | |
| <p>Sub-Theme 3.6. Cross-cutting Concerns</p> <p>Sub-Them 1.3. Socio-economic impacts and risks of climate change to small-scale farmers, fisherfolks and marginalized sectors and identification of the most vulnerable groups and priority geographic areas and communities for climate change interventions</p> | <p><i>Professorial Chair: Water Availability and Food Security Challenges Under Climate Change (Ahmad Zaharin Aris, UPM, Malaysia)</i></p> | | | UPM | | Completed |
| <p>Sub-Theme 3.6. Cross-cutting Concerns</p> <p>Sub-Theme 2.1 Assessment of the contribution of agriculture, forestry, fisheries, and livestock through</p> | <p><i>Professorial Chair Lecture Reducing the High Energy Bill and Carbon Footprint for an Energy and Climate Change Compliant Sugarcane Production (Dr. Teodoro C. Mendoza, Professor of Crop Science Cluster, College of Agriculture, UPLB)</i></p> | 15 June 2016 | | | | |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|---|--|-----------------------|------------|-------------------|------------------------------|-----------|
| greenhouse gas (GH) sequestration/mission to climate change | | | | | | |
| Sub-Theme 3.6. Cross-cutting Concerns Sub-Theme 1.4. Development and testing of vulnerability/risk assessment tools for agriculture, forestry and fisheries Sub-Theme 1.2 Impacts and risk assessment of climate change on environmental goods and services, especially on biological diversity | <i>PhD Research Scholarship: Integrated Green House Gas Accounting Model for Environmentally Critical Projects: The Case of the Padcal Mining Project in Benguet Province (Elenita Racelis, PhD Forest resource Management, Philippines)</i> | | | | | Completed |
| Sub-Theme 4.3: Enabling policies and institutional mechanisms to mainstream integration of | <i>Agriculture and Development Seminar Series: Crop Insurance as Resiliency Measure to Climate Change: Evidence from Corn Farmers in the Philippines (Dr. Jose M. Yorobe, Jr., Professor, College</i> | 22 September 2015 | | | | |

| CChAM-SEA Sub-Theme | Title | Duration/ Coverage | Objectives | Partner/ Donor | Outputs/ Expected Outputs | Status |
|--|---|-----------------------|--|-------------------|------------------------------|---|
| adaptation and mitigation in ARD planning | <i>of Economics and Management, UPLB)</i> | | | | | |
| Sub-Theme 4.3: Enabling policies and institutional mechanisms to mainstream integration of adaptation and mitigation in ARD planning | <i>Agriculture and Development Seminar Series: Exploring the Potentials of Community Media for Climate Change Resilience through Social Transformation towards the New Normal in the Asia Pacific Region (Dr. Benamina G. Flor, Assistant Professor of College of Development Communication, UPLB)</i> | 25 April 2016 | | | | |
| Sub-Theme 4.5.: Effective communication and best practices in bridging the science-policy divide | <i>Case Story Book Learning and Coping with Climate Change: Case Stories of Climate Change Adaptation in Southeast Asia</i> | | This book is intended to enrich knowledge and enhance awareness among various stakeholders and policy and decision makers that adaptation efforts not only address the challenges brought by climate change, but the implementation of these CCA initiatives also fulfills goals that greatly benefit society, such as sustainable agricultural and rural development, disaster risk reduction, and improvements in quality of life. | | | Completed Available at SEARCA Website |