

CURRICULUM VITAE (CV)



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II. CONTACT DETAILS

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III. DATE OF BIRTH: 12-25-57

IV. CITIZENSHIP: FILIPINO

V. EDUCATION

Name/Address of Institution	Degree Obtained	Year Obtained
University of Arizona, Tucson, Arizona, USA	PhD – Watershed Management minor in Anthropology	1990
University of the Philippines – Los Banos, Los Banos, Laguna, Philippines	MS – Rural Sociology, minor in Development Communications	1983
	AB - Sociology	1979

VI. COUNTRIES OF WORK EXPERIENCE

- Cambodia
- Indonesia
- Lao PDR
- Malaysia
- Philippines
- Thailand
- United States
- Viet Nam

VII. LANGUAGES

Language	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Filipino	Excellent	Excellent	Excellent

VIII. CONSULTANCY WORK

1. P40190-REG: GMS Flood and Drought Risk Management and Mitigation Project (TA 6456-REG); Cambodia, Lao PDR, and Viet Nam; Asian Development Bank; International Social Development Specialist; Intermittent; February to April 2012

In order to ensure project compliance with ADB’s Safeguard Policy Statement, the international social development specialist’s tasks include the following: (i) Update resettlement frameworks and resettlement plans following comments from the Environment and Safeguards Division (RSES) of ADB’s Regional and Sustainable Development Department; (ii) Update the Resettlement Plans; and (iii) Review and revise the gender action plans (GAP) as necessary (regional GAP and country GAPs).

2. Philippines Dairy Industry Activity Design & Study Tour; New Zealand Ministry of Foreign Affairs and Trade through Nimmo-Bell Consultancy LTD of New Zealand; In-Country Social/Gender Specialist; February 2012.

As Gender Specialist, assess proposed programme activities and develop a Gender Strategy. The proposed activity components are (i) Farm efficiency/profitability, which revolves around a focus farm with a cluster of small dairy and dairy-support farms; (ii) Genetic development is about identifying and implementing the most efficient and effective way to achieve genetic gain and expand the national herd; and (iii) Value-added processing/ marketing that will utilise the expertise and competitiveness of established dairy processing and marketing companies to produce the highest possible returns for raw milk.

3. Philippines: Second Cordillera Highland Agricultural Resource Management Project (CHARMP2 - IFAD Loan No. 749-PH, IFAD Grant No. 1030 PH and OFID Loan No. 1224P) Mid Term Review Mission; International Fund for Agricultural Development; Natural Resources Management/ Indigenous Peoples Specialist; January to February 2012.

With focus on the Natural Resource Management Component and overall engagement of indigenous peoples to the project, to: (i) Review the performance and progress of the project; (ii) Assess the achievements, constraints and initial impact of the project in relation to the expected project objective; (iii) Assess the institutional and implementation arrangements, project costs and financing, in view of the progress achieved and changes occurred since appraisal; (iv) Review the compliance with loan and grant covenants; (v) Recommend adjustment, reorientation and improvement in the project design, including its future strategy and directions, as may be required to achieve such objectives; and (vi) Recommend amendments to the Loan Agreement.

4. Philippines: Integrated Natural Resources and Environment Management Project (INREMP) – Compliance with the 2nd Quality Assurance Decisions; International Fund for Agricultural Development; Natural Resources Management Specialist; December 2011.

In order to revise the project design report to comply with the QA decisions in the following areas, in cooperation with DENR and ADB, the Consultant is tasked to: (i) Revise the project implementation arrangements and phasing for the project to follow a phased/sequencing approach to the physical investments, with the initial phase **limited to the four "core" watersheds** within the four currently proposed Upper River Basins (URBs) that were prioritized during the project preparation and detailed feasibility assessments, while institutional and capacity building activities may take place outside these four watersheds during the initial phase; (ii) Establish triggers with regard to progress in the implementation of the initial phase to ensure the expansion and/or scaling up into additional watersheds will only proceed once triggers for the initial phase have been met; (iii) Propose arrangements and criteria to undertake a thorough review at the end of the initial phase to assess implementation progress and compliance with the pre-determined triggers for moving to the second phase; (iv) Propose a plan for the phasing of investments in the remaining 19 target watersheds in the four project URBs; (v) In view of the Government's temporary suspension of local cost sharing requirements issued on September 19, 2011, propose what satisfactory arrangements should be made to ensure the poorest LGUs in the project URBs will effectively participate in all parts of the project including the rural infrastructure component; (vi) If the Government is unable to agree with the above, propose implementation arrangements for, following the initial phase, the work program in each URB to start first in those watersheds that contain the maximum share of land area to be provided with infrastructure (i.e. those watersheds where the LGUs are able to come up with the required funding) and help maximize the likelihood that the project will be able to achieve its objectives in those areas and more generally; (vii) Prepare the respective capacity building plans at the target URB and watershed levels, as well as for project implementation at the macro level; (viii) Revise the project's logical/results framework (for IFAD) to clearly indicate the objectives/desired impacts and outcomes and input/output links for each of the project's three main objectives to be achieved in the selected URBs and watersheds i.e., to a) reduce and reverse severe environmental degradation; b) increase rural household incomes; and c) increase LGU revenues; (ix) Revise the main text of the report, as well as in the logical/results framework, to clearly indicate the project's Global Environmental Objective (GEO) and associated performance indicators; and (x) Revise the risk assessment and mitigation section to verify that all major project risks -- i.e., risks that may impede the project (e.g., those mentioned in para. 65 of the version of the PDR prior to the latest revision and reviewed for purposes of today's QA meeting) from successfully achieving its proposed objectives) -- are contemplated in the project risk table together with appropriate mitigation measures.

5. Philippines: Results-based Country Strategic Opportunities Programme – Update of the COSOP Annual Implementation Progress Review Report of 2011; International Fund for Agricultural Development; Natural Resources Management and Social Safeguards Specialist; December 2011.

As a follow up to the discussions at the annual country programme review workshop in 2011, you will undertake the following terms of reference to revise the COSOP implementation review report and retrofit the Results Management Framework: (i) Revise the project ratings against the engagement principles in the

first draft COSOP review report, based on the feedback from the workshop; (ii) Prepare a table to show the consolidate outputs as of 30th June 2011, of NMCIREMP, RuMEPP, CHARMP-2, RaFPEP by project and by indicator, as against each of the indicators/targets/milestones in the present Results Management Framework of the COSOP; (iii) Prepare a concise summary of the feedback and comments from the annual country programme review workshop in 2011 on the COSOP implementation review report, as an attachment to the COSOP implementation review report; (iv) Revise the Results Management Framework of the COSOP to align it with the results matrix of the Philippines Development Plan 2011-2016 and the Strategic Framework of IFAD 2011-2015, including streamlining and retrofitting the COSOP indicators relevant to the Strategic Objectives of the COSOP; (v) Recommend appropriate and measurable indicators and describe methodology for poverty, wealth/income to be used in the Results Management Framework of the COSOP; (vi) Propose a strategy as to how the country programme can mainstream the National Climate Change Action Plan into the future project design, financing and operations and what indicators should be included in the Results Management Framework of the COSOP for climate change adaptation and mitigation; (vii) Propose a strategy and operational approaches as to how the country programme can focus more on rural youth and what indicators should be included in the Results Management Framework of the COSOP for rural youth; (viii) Include the contributions from the IFAD grant-financed programmes to the IFAD Philippines Country Programme, e.g. IRRI/CURE, ICRAF/RUPES, CIP/Root and Tuber Crops for Food Security in Asia Pacific, INBAR and MTCP-FAFO; (ix) Provide comments on how to improve the three Strategic Objectives in view of the evolving country context; and (x) As the result of the above, submit a revised draft COSOP review report, with a revised Results Management Framework, for review and comments by IFAD before finalisation.

6. *Limbang 1 & 2 and Lawas Hydroelectric Project Concept Phase – Sarawak, Malaysia; Sarawak Energy Berhad through SMEC – PHI; Social Impact Assessment Specialist; Intermittent; October 2011 – 31 January 2012.*

The intent of the review is to: (i) identify the gaps in the current Preliminary EIA against the requirements of the final, detailed Social and Environmental Impact Assessment (SEIA); (ii) provide guidance on issues that have the potential to affect the conceptual development work being undertaken by the SMEC design team, so that the impacts and potential mitigation measures may be incorporated in the current design stage; (iii) flag risks, issues and opportunities associated with the Limbang 1, Limbang 2, and Lawas hydroelectric power plant development and propose suitable management measures that the SEB may wish to employ in subsequent stages of the project; and (iv) assist the SEB to develop a Terms of Reference for preparation of the final, detailed SEIA.

The client (Sarawak Energy Berhad (SEB)) has stipulated that the detailed SEIA must: (i) satisfy regulatory requirements and meet relevant Federal and State standards --- primarily those of the industry regulator in Sarawak, the National Resource and Environment Board (NREB); (ii) if assessed against the Hydropower Sustainability Assessment Protocol Preparation Tool (International Hydropower Association, November 2010; "the IHA Protocol"), achieve a score of Level 3 or above for each relevant sustainability topic; and (iii) where further technical guidance is required beyond those provided in the Protocol, draw on the Asian Development Bank Safeguards.

7. *Concept Preparation for the Implementation of the Australia-Indonesia Partnership for Maternal and Neonatal Health (AIPMNH) Gender Strategy; NTT Indonesia; PT. Inacon Luhur Pertiwi; Team Leader/Gender Specialist; July-August 2011.*

The Specialist was tasked to prepare a concept for implementing the AIPMNH in Nusa Tenggara Timur, Indonesia.

8. *Philippines: Results-based Country Strategic Opportunities Programme – Annual Implementation Progress Review and Portfolio Review of 2011; International Fund for Agricultural Development; Natural Resources Management and Social Safeguards Specialist; Intermittent; September-November 2011*

The consultant will undertake the following terms of reference: (i) Perform desk reviews of available project progress reports, RIMS reports and progress against logframe indicators and other information for the preparation of the COSOP implementation progress report; (ii) Preparation of COSOP annual implementation progress report in line with the following requirements, a) Review evolution of socio economic and political development, financial crisis, and any developments in the country that may have potential impact on the current COSOP and IFAD country programme, b) A summary of any information describing impact of individual project and the country programme as a whole on poverty (with reference to any available RIMS and other impact surveys), c) A re-examination and confirmation of the relevance of the COSOP strategic objectives against the changing country background – including changes in and alignment with poverty reduction strategies, e.g. PDP 2011-2016, other government policies, and economic and political conditions,

d) An assessment of the progress and the achievement of COSOP strategic objectives and results with reference to indicators of attainment and milestones of showing progress towards strategic objectives – as well as cross-cutting themes, e) Reporting on targeting performance and specifically reporting on the inclusion of targeting and gender concerns during COSOP implementation (project start-up workshops; consultation processes; adoption by other partners of IFAD’s targeting strategies), f) Identify main constraints and pending policy and operational issues in the country programme and highlight what seems to be working, what not working, what challenges faced and make recommendations for improvement accordingly, g) Assessment of the Compliance with IFAD Strategic Framework 2011 – 2015, h) Assess performance of IFAD direct supervision and Country Presence Office, i) A re-examination of the effectiveness of the approaches selected for reaching the strategic objectives, taking account of changes in the approaches of other donors (harmonisation), and the performance of IFAD partner agencies, j) Review knowledge management system and structure at all levels for knowledge sharing and learning culture, k) The report will comprise a short narrative report against the baseline and the quantified targets for the COSOP period, together with an updated Results Management Framework including aggregated data from completed RIMS reports, Project Status Reports, a Country Programme Issues Sheet and completed RIMS reports. This will be done by aggregating the reported level 1 and level 2 indicators in the RIMS tables for all ongoing projects, and inserting the aggregated totals into the Results Management Framework, l) As new projects are approved during the COSOP period, the results of these new projects would be added to those of the ongoing projects, to get a total for the whole country programme, m) The annual client feedback surveys undertaken in 2010 should be incorporated in the report, n) Retrofitting of ongoing operations to bring them in-line with new strategic priorities will only occur on a limited scale, keeping in mind that there are only limited opportunities to redesign ongoing operations, and the fact that ongoing projects are bound by executed legal agreements, o) Identify any appropriate opportunities where limited retrofitting makes sense, for example during a MTR of an ongoing project, and p) Provide recommendations for improvement of COSOP 2012 to 2014 implementation; (iii) Interviews with CPMT members and other key stakeholders to get their independent views on the implementation of COSOP and performance of the country programme in 2008; (iv) Presentation of the draft COSOP implementation progress report to the core CPMT members for their comments and feedback and reflect their comments and recommendations into the final draft COSOP implementation progress report; (v) Annual Review Workshop - The mission will present the draft report at a COSOP Annual Country Programme Review Workshop tentatively scheduled in 15-17 November 2011; and (vi) Produce final report by incorporating the comments and recommendations from the COSOP Annual Review Workshop.

9. Work Required to Comply with the IFAD Quality Assurance Review Recommendations: Integrated Natural Resources and Environment Management Project (INREMP); Philippines; International Fund for Agricultural Development - Dept. of Environment & Natural Resources; Social Development/Participation Specialist; Intermittent; May–August 2011

Together with the NRM Specialist will undertake the following terms of reference, in cooperation with DENR and ADB: (i) Follow up with the Department of Environment and Natural Resources (DENR) to prepare a catch up plan to accelerate the implementation of the two World Bank funded projects and one ADB funded project, to demonstrate that DENR is in compliance with the NEDA recommendations in this regard; (ii) Confirm with ADB its processing schedule for the project for its board approval; (iii) Consult with NEDA (Development Budget Coordination Committee and Investment Coordination Committee), DENR, ADB and other relevant development partners in a possible review by the government of its policy that requires Local Government Units (LGUs) to provide counterpart funds to foreign assisted development projects; (iv) Consult with DENR in how DENR will address the concerns that the target LGUs, especially those located in poor areas with low fiscal capacity, will be able to provide the required matching funds for the project; (v) Agree on the sources, timely approval and release of LGU counterpart funds for the project; (vi) Establish technical and financial criteria for the selection of LGUs to participate in the preparation and implementation of watershed investment plans. A key technical criterion should be that the eligibility of LGUs will be based on hydro-geography perimeters and not on their political boundaries, unless a Watershed is entirely within one political boundary; (vii) Establish triggers (covering the implementation of Components 1 and 3) for launching Component 2, with the condition that a full review will be undertaken of the extent to which the agreed triggers have been met prior to launching Component 2. The established triggers will be included in the revised Project Design Completion Report and later in the Loan Agreement or as a Negotiations Side Letter; (viii) Provide factual information and good practices of past and ongoing projects financed by IFAD and ADB in the country which are integrated in the design of the proposed Project for “up-scaling”. In this regard, Brief Box write-ups should be prepared and inserted in relevant sections of the revised report, including, e.g. institutional arrangements; local financing arrangements with reference to LGUs; community participation and ability to operate and maintain completed projects; and experience with overcoming the gender bias; (ix) Review and modify the current economic analysis for the project to focus on the key

variables and the Switching Values and comments on the economic viability of the proposed project; (x) Review the economic analysis on biodiversity corridor and climate change component prepared by ABD consultants, and prepare Incremental Cost Analysis, showing the Baseline and the GEF Alternative for the GEF Component, which would finance biodiversity corridor with explicit local and Global benefits; (xi) Revise the Risk Assessment and Management Plan to acknowledge the High Risk nature of the project, by introducing the following changes and using the table format below: (a) upgrade the overall risk rating to "High"; (b) include only one Rating per Risk; (c) instead of "Management Plan", change the heading to Mitigation Measures; (d) implementation capacity should be added as a separate risk and rated "High"; and (e) make a reassessment of all risks identified and any additional risks, and provide appropriate rating for each risk.

10. *Second Cordillera Highlands Agricultural and Resource Management (CHARM2) Project Second Supervision and Implementation Support (SIS) Mission; Philippines; International Fund for Agricultural Development – Dept. of Agriculture; Mission Team Leader cum Natural Resource Management/Indigenous Peoples/Gender Specialist; March–April 2011*

As team leader, be primarily responsible for: (i) Assessing the overall progress (physical and financial) and status of implementing CHARM2 or the Project according to the submitted 2010/2011 AWPBs and Procurement Plans; (ii) Reviewing the effectiveness and efficiency of the Project implementation arrangements and project structures/mechanisms; (iii) Reviewing the actions taken by the Project on the agreements of the first full supervision and implementation support mission as well as the recommendations of the post supervision visit, and assessing in detail the reasons for lack of compliance if any; (iv) Highlighting project implementation issues and concerns. In this assessment emphasis should be placed on whether the Project is achieving its development goal and objectives; (v) Synergizing the recommendations to improve Project implementation for the succeeding period prior to the next supervision and implementation period; and (vi) Rate the Project performance based on IFAD's project performance rating guidelines.

As NRM/IP specialist, review the implementation progress of the Community Watershed Conservation, Forest Management and Agro-forestry component as to how far this it has addressed the issues/concerns raised in the First Full SIS mission and to what extent actions impact on other components especially on the Agriculture and Agribusiness Development, and Income Generating Activities.

In addition, review the progress of NCIP's compliance with the agreed actions of the First CHARM2 SIS mission to include the quality of NCIP management and IP participation in activities supported by the Project such as the formulation of Ancestral Domain Sustainable Development and Protection Plan (ADSDPP), Free and Prior Informed Consent (FPIC) processing/issuance, etc. She will assess the progress of cooperation between CHARM2 and ICRAF for the RUPES, and the Project's coordination with DENR for the Integrated Natural Resources and Environmental Management (INREM) Project, which shall be co-financed by ADB and IFAD. As gender specialist, review the progress of implementing the Project's gender strategy as contained in the Project's appraisal document or any latest improvement of the Project's gender strategy.

11. *IFAD Final Design (Appraisal) Mission for the Republic of the Philippines – Integrated Natural Resources and Environmental Management Project (INREMP); International Fund for Agricultural Development - Dept. of Environment & Natural Resources; Social Development & Rural Institutions Specialist; August–September 2010*

Specialist was tasked to: (i) Re-assess major characteristics of target groups; (ii) Review land tenure policies and customary usufruct land tenure arrangements, resettlement issues especially for IPs in selected upper river basins, and propose actions to improve access of the poor and smallholders to land and water resources in areas to be covered; (iii) Work closely with other mission members to define appropriate grassroots institutions framework that ensures beneficiaries will gain full control over project management and activities at all levels; (iv) Analyze constraints to, and potentials for, target group participation in decision making at all levels, and propose appropriate methods to ensure effective participation; (v) Re-confirm and articulate the project gender strategy and avoid/minimize project triggers on involuntary resettlement; (vi) Assist in defining a coherent targeting strategy that will ensure a clear articulation of the quality of life dimensions and indicators in the project area and include a clear social targeting strategy to avoid elite capture of project benefits; and (vii) Help mission members in identifying independent organizations to support the consultation processes involving the NCIP, leading to the Free, Prior and Informed Consent of the communities.

12. *CHARMP2 First Full Supervision and Implementation Support (SIS) Mission; Philippines; International Fund for Agricultural Development – Dept. of Agriculture; Natural Resource Management and IP/Gender Specialist; April 2010*

Review the implementation progress of the Community Watershed Conservation, Forest Management and Agro-forestry component that has three sub-components, namely: i) Community Watershed Conservation and Reforestation, ii) Promotion of Agroforestry, and iii) Development of Innovative Watershed Conservation Mechanism. Part of the review is to look into the implementing mechanisms, especially in the implementation arrangements with the Local Government Units' (LGUs) Provincial Environment and Natural Resources Officers (PENROs), City/Municipal Environment and Natural Resources Officers (CENROs/MENROs) and with the Tribal Communities/Tribal Councils and where necessary with the Department of Natural Resources (DENR).

Assess the coordination of the Project with ICRAF in the application of lessons from the Rewarding the Upland Poor for Environmental Services (RUPES) and the implications of an upcoming project, the Integrated Natural Resources and Environmental Management (INREM) which shall be also implemented in the Chico Upper River Basin (URB), of which some communities of this URB are covered by the CHARMP2.

Review the processes of piloting the Project in 24 barangays in terms of respecting the indigenous peoples (IP) and gender concerns. In relation to this, review the free and prior informed consent (FPIC) processes observed by the Project in the pilot barangays since 90-100% of these communities are populated by the IPs. To this effect, must look into the role of the NGOs engaged in community mobilization and the NCIP in the FPIC process.

Establish how other components are integrating gender concerns into their activities and what distinct processes the Project conducts that are IP sensitive. In relation to this, she will review the actions taken by the Project on the gender action points progress of implementing the component on Agriculture and Agribusiness Development, and Income Generating Activities and in highlighting Project implementation issues and solutions.

13. Various Philippine Projects; Asian Development Bank; Social Safeguards Specialist; Intermittent; August 2010–April 2011

Terms of reference stipulate the following: (i) Assist mission leader in reviewing draft social safeguard documents (e.g. Resettlement Framework, Resettlement Plans, Indigenous People's Framework, Indigenous Peoples Development Plans, and Summary Poverty Reduction and Social Strategy). Participate in missions and extend advice to Executing Agencies, Implementing Agencies and consultants related to ADB policies (e.g. Involuntary Resettlement Policy, Indigenous Peoples Policy, Gender Mainstreaming Policy Guidelines) and best practices. Submit documents for timely review and approval by Social Development Specialist at SEAE and RSES; and (ii) Assist mission leader to closely monitor and follow up ongoing project implementation with Category A (significant) resettlement and/or indigenous people's issues and GEN and EGM Gender mainstreaming classifications and ensure documents are updated as needed. Review progress/completion reports submitted by EA and external monitoring agencies, and join review missions to advise EA, IA and consultants and confirm implementation status as requested. Review and endorse updated and subproject Resettlement Plans (RPs) and Indigenous Peoples Plans (IPPs) submitted by EAs where applicable. Ensure subproject RPs and IPPs are uploaded in ADB website.

The social safeguards review included the following projects: (i) Integrated Natural Resources and Environmental Management Project (DENR), (ii) Decentralized Framework for Sustainable Natural Resources and Rural Infrastructure Management (DENR), (iii) Agusan River Basin Integrated Water Resources Management Project (DENR), and (iv) Irrigation System Operation Efficiency Improvement Project of the National Irrigation Administration.

14. Greater Mekong Subregion (GMS) Biodiversity Conservation Corridors (BCI); Asian Development Bank; International Social Development Specialist; May–November 2010

Specifically, based on diagnostic assessment and stakeholder consultations, prepared the following reports per country and for the region as a whole: (i) Social and Poverty Reduction Analysis Report; (ii) Indigenous Peoples Development Framework for the project; (iii) Involuntary Resettlement Framework; and (iv) Gender and Development Action Plan.

15. Integrated Natural Resources and Environmental Management Project Preparation; Philippines. Asian Development Bank - Dept. of Environment & Natural Resources; Intermittent; January 2009–31 December 2011

As Social Development and Safeguards Specialist for preparatory assistance: (i) Ensure institutional and social preparation for executing agency to work with oversight and partner implementing agencies within the tenets of INREMP. Appropriate consultation and participation methods will be utilized to jumpstart acceptable and efficient partnership arrangements at the national and sub-national levels, in particular the four upper river basins (URB); (ii) Assist the executing agency by setting in place strategies and mechanisms

for the Gender Action Plan, Indigenous Peoples Framework, Resettlement Framework, and with use of the Social and Poverty Impact Assessment Report, ensure effectiveness of targeting beneficiaries within the URBs to effect meaningful participation to INREMP; and (iii) Working closely with the executing agency and with the participation of relevant stakeholders, validate vulnerable groups in relation to project risks and develop mitigating measures per identified social risks during implementation.

As Social Development and Public Participation Specialist for the Global Environmental Facility component: assessed the social dimensions (including indigenous people) including possible responses to integrated natural resources and environmental management (INREM) approaches to watershed management and investments in river basins, with specific reference to conservation of biodiversity, and climate change.

As National Social and Poverty Development and Public Participation Specialist for the Feasibility Study stage: the National Social Development/Public Participation Specialist was responsible for assessment of the social dimensions (including indigenous people, resettlement, risk reduction, gender & development, land tenure, institutions, stakeholder participation, organization of workshops, and participant feedback) during the 1st phase of implementation. The detailed TOR resulted in the generation of the following reports: (i) Social and Poverty Reduction Analysis Report; (ii) Indigenous Peoples Development Framework for the project; (iii) Involuntary Resettlement Framework; (iv) Gender and Development Action Plan; and (v) Consultation and Participation Plan.

16. Targeted Capacity Building for Mainstreaming Indigenous Peoples Concerns in Development: Philippines; Asian Development Bank; Indigenous Peoples Specialist; Intermittent; August 2009–April 2010

The TA has 3 components: (i) capacity assessment in selected executing agencies for designing, implementing monitoring and evaluating projects that are compliant to ADB's Policy on Indigenous Peoples and national policies on IPs; (ii) a capacity development program toward integrating IP concerns and safeguard requirements in project design, implementation, monitoring; and (iii) establishment of national and/or subnational level IP network forums. Consultant was involved under Component I specifically to: (i) assist the National Commission on Indigenous Peoples set criteria to identify and select participating executing agencies to be involved in capacity assessment and later as potential training and/or workshop participants, (ii) develop a framework and methodology for assessing selected executing agencies capacity to deal with IP safeguards, (iii) review and assess the capacity of selected executing agencies to screen project impacts on IP, conduct social impact assessment, and prepare IP safeguards requirements; evaluate existing in-house training materials and determine whether IP concerns can be incorporated therein, (iv) identify and document good practices for replication, (v) provide recommendations on how to improve the capacity of agencies to integrate IP concerns in projects, and (vi) Prepare the capacity assessment report for submission to the Project Steering Committee and ADB.

17. The Philippines - Integrated Natural Resources and Environmental Management Programme - Joint ADB-IFAD Loan Fact Finding (Formulation) Mission - IFAD Team; International Fund for Agricultural Development - Dept. of Environment & Natural Resources; Natural Resource Management Specialist; Intermittent; August-December 2009

She identified the comparative advantage of IFAD on natural resources management based on experiences from past IFAD assisted projects, including CHARMP, NMCIREMP, and WMCIP; reviewed the proposed land assessment, upper river basin natural resources management planning, and field investments components/activities as defined in the Feasibility Study of the INREMP as refined during the work of the LFF mission, and determined which of these could be supported by IFAD based on its comparative advantage. In doing so, identified priority areas covered by IFAD funding given the limited funds available for commitment under INREMP and the desire of the Fund to consolidate its past experiences and interventions in some critical watersheds of the Mindanao island, including those previously covered by NMCIREMP and WMCIP.

Using past experiences and taking into account the overall design parameters for up-scaling all upper river basins to be included under INREMP, as agreed with the full LFF mission, she proposed, for IFAD's consideration, relevant activities for natural resource management and productive capacity enhancement in the agricultural sector (including forestry and fisheries, both coastal and inland, as appropriate) operations, plus a possible component for supporting indigenous peoples, including land tenure regularisation over their ancestral domains and lands. In doing so, reviewed the effectiveness of support provided to community organisations and Indigenous People's Organisations through past projects funded by Government and donors, and propose improvements where appropriate. Advised IFAD on land tenure issues such as the: comprehensive agrarian reform law (CARL), IPRA and Mining Laws and its implementing programmes in upland areas.

For ADB, she directly assisted in consolidating findings of the Fact-Finding Mission to produce the Report and Recommendations of the President to the ADB Board.

18. Social Assessment of the Integrated Persistent Organic Pollutants (POPs) Management Project; Philippines; The World Bank - Dept. of Environment & Natural Resources; Social Assessment Specialist; Intermittent; April 2009–December 2010

Conducted the following: (i) Reviewed and summarized national social assessment, resettlement and land, and IP policies and regulations of GOP and World Bank Safeguard policies applicable to social assessments, resettlement and IP issues related to the proposed project; (ii) Organized and undertook necessary consultations and ensuing documentation thereof of stakeholders as per World Bank and GOP policies; (iii) Analyzed and summarized anticipated social impacts of project activities and develop approach to mitigate these impacts; (iv) Reviewed social, resettlement and IP issues and procedures followed for activities considered linked to the project and summarize compliance with environmental laws and policies and work closely with other Consultants of various subprojects to identify any contentious social issues associated with their development; (v) Developed draft framework for preparation of social assessment, consultation and safeguards requirements for projects to be implemented after year 1; (vi) Summarized overall institutional responsibility for social, resettlement and IPs of the entire project; assessed capacities of responsible parties to undertake their duties and suggest capacity building and training as necessary; (vii) Developed and summarized a budget for undertaking recommended social mitigation plans; (viii) Worked with consultants preparing overall environmental and social assessment to ensure outputs of social assessment are complete and in the right form for incorporation into the overall framework. Prepared Final SA Report incorporating all inputs and recommendations from all groups involved in public consultation; (ix) Provided other technical advice to DENR and response to comments from World Bank on the development of the social assessment; (x) Prepared draft Communication strategy and TOR necessary for the component; and (xi) Prepared the Draft and Final SA Report incorporating inputs and recommendations from groups involved in public consultation.

19. End-of-Project Assessment for Development and Testing of Innovative Approaches for Mainstreaming Indigenous Peoples in Selected Agrarian Reform Communities; Philippines; The World Bank – Dept. of Agrarian Reform through Sustainable Development Solutions, Inc; Team Leader/Assessment Methods Specialist; Intermittent; August 2008–January 2009

As Assessment Methods Specialist, the person was mainly tasked to serve as the Team Leader to conduct/operationalize the following: (i) Responsible for coordination with NCIP and Tribal groups/leaders; (ii) Conduct analysis on IP institutional systems and mechanisms (Ancestral Domain and Sustainable Development Plan and Protection (ADSDPP) and the Free and Prior Informed Consent (FPIC)); (iii) Provide overall technical leadership and direction to end of project assessment to result in timely submission of quality deliverables; (iv) Monitor consulting deliverables and make appropriate adjustments deployment of specialists and research staff, or methodology if warranted; (v) Determine any difficulties encountered during project implementation and recommend remedial measures; and, (vi) Finalize and operationalize assessment and impact frameworks: approach and methods on the conduct of case studies, FGDs, ethnographies, and quantitative/purposive survey.

20. Mindanao Rural Development Project – Phase 2; Philippines; The World Bank – Dept. of Agriculture; Intermittent; 2006-2008

Team Leader / Project Development Specialist for *Finalization of the Natural Resource Management Grant for the MRDP-2 Global Environment Facility: Coastal and Marine Biodiversity Conservation Project*; April–July 2008: The Specialist specifically conducted among others, the following major activities: (i) Lead in the review of the draft PAD taking into consideration the improvements needed in the areas of NRM and livelihood/enterprise development investments, climate change, total project costs adjustments, and institutional arrangements; (ii) Supervise the conduct of activities of the other TAs and consolidate their inputs in the enhancement of the PAD; (iii) Lead in the review of the IEC and capacity building strategies/plan and develop an enhanced strategy; (iv) Conduct field visits, when necessary, and consultations with stakeholders to affirm and validate some key operational and financial features and implementation arrangements; (v) Conduct regular consultations with the MRDP 2 NRM team to identify gaps and Collaboratively strategize to ensure successful completion of work; and, (vi) Conduct consultations with other project component heads to ensure close coordination and proper implementation arrangements.

Technical Adviser for Social Participation, Institutional Development and Lead Specialist for the *Coastal and Marine Biodiversity Conservation Project*; March 2006–January 2007: The Adviser along with other Technical Advisers prepared the Project Development Facility to access funding from the Global Environmental Facility for MRDP-APL2. Specifically, the Terms of Reference are as follows: (i) Formulate and update frameworks as regards a) overall social (includes gender) and community assessment, b)

participation, c) indigenous people and d) land acquisition and resettlement in order to ensure that said frameworks effectively guide project preparation and eventual implementation of the natural resource management component; (ii) Enhance and maximize the quality of participation of all relevant stakeholders in the project sites; (iii) Formulate the capacity building program needed to carry out the GEF activities as well as to ensure sustainability of the interventions, and (iv) Prepare an alternative income generation subcomponent for involved communities to reduce pressure on marine and forestry resources within marine sanctuaries and/or protected areas to be established.

Environmental Specialist for the MRDP-Phase 2; February–March 2006: Prepared and packaged the Regional Environmental Assessment for the Project and developed safeguards mechanisms per sub-project.

21. Philippine Visit by the Evaluation Committee of the IFAD Executive Board: The Cordillera Highlands Agricultural Resources Management project (CHARM); International Fund for Agricultural Development; Natural Resource Management and Indigenous Peoples Specialist; April 2008

The Specialist participated in the field visit specifically responsible for (i) Worked with the OE coordinating Evaluation Officer and CHARM project staff in effective implementation and completion of the field visit to CAR; (ii) Facilitated meetings, discussions and interactions between the Committee and partners in the field (including beneficiaries) and in Manila during the workshop as required; and (iii) Facilitated one working group discussion in the workshop including making introductory remarks.

22. Northern Mindanao Community Initiatives and Resource Management Project – 5th Supervision Mission (1st IFAD Direct Supervision); Philippines; International Fund for Agricultural Development – Dept. of Agrarian Reform; Natural Resource Management and Indigenous Peoples Specialist; February–March 2008

The Specialist was in charge of focusing her attention into the progress of the Support to the Indigenous Peoples (SIP) component and the NRM component related to watershed and coastal/inland resource management. She assessed the performance of the project and the National Commission for Indigenous People (NCIP) in titling the converted CADCs especially the capability and processes of players like the Land Registration Authority (LRA), identified bottlenecks and possible solutions; assessed the quality of the ancestral domain sustainable and protection plan (ADSPP) outputs (content and process) and how these are integrated into the LGU development plans; reviewed the progress of the action taken by the project in assisting the 'displaced IPs' in the non-CADC areas and how these are linked into the NCIP national and regional development strategy; assessed the progress of the project's NRM component in implementing the recommendations of the 4th UNOPS mission; and reviewed the implementation of NRM sub-projects in relation to "environment/ ecology protection" and "climate change". In addition, she identified policy issues related to NRM and IP.

23. Promoting Rural Industries and Market Enhancement Programme (PRIME); Philippines; Canadian International Development Agency; Environment-In-House Adviser for Philippine Development Assistance Program, Inc; Intermittent; 2007–2009

The Specialist shall: (i) Address the issues identified and finalize the Environment Strategies of PRIME; (ii) Serves as an on-call Environment Adviser for PDAP-PRIME project; (iii) Assists in the review and selection of project proposals/business plans from the partners, in compliance with EIA requirement/checklist; (iv) Anchor PRIME's Environment monitoring and evaluation activities (i.e. finalize the PRIME GE framework vis-à-vis poverty reduction and tracking of GE results); (v) Incorporate concerns on climate change; (vi) Generates monthly environment intervention findings and results; and, (vii) Consolidate semi-annual and annual environment interventions report for PRIME.

24. Due Diligence of the PNOC-EDC Geothermal Plants and GN Power Coal Fired Power Plant; Philippines; General Electric – USA through EnvironCorps – UK; Environment and Social Assessment Specialist; Intermittent; June 2007-June 2008

The Specialist was tasked to assess the conditionalities of the Environmental Impact Statement parallel to the Equator Principle with focus on Indigenous People and Involuntary Resettlement / Compensation issues.

25. Rapid Site Assessment 2007; Philippines; Foundation of the Philippine Environment (FPE) through Resources, Environment and Economics Center for Studies, Inc. (REECS); Socio-Cultural/Economic And Governance Specialist; Intermittent; November 2007-May 2008

The Specialist conducted/prepared the (i) Detailed inventory, evaluation and analysis of the available secondary information on the socio-cultural, gender, economic and governance condition of the project site; (ii) Detailed research methodologies and design to gather data gaps on the socio-cultural, gender, economic and governance situation of the project site; (iii) Inventory, profiling and assessment on the socio-cultural,

gender, economic and governance situation of the project site using the approved standards and methodologies and data requirements of the RSA; and (iv) Final RSA report on the socio-cultural, economic and governance situation of the project site.

26. Handbook for Establishing a Carbon Sink Initiative Project for the Pagbilao Coal Fired Power Plant; Philippines; TeaM Energy Corporation through RHR Consult Services; IEC Specialist; Intermittent; February-March 2008

The Specialist provided technical inputs specifically as stipulated: (i) The Consultant shall develop an agreed upon (with Foundation Management) storyline for the Handbook based on the draft output produced by Mirant Field Technicians. The presentation will be in popularized form that does not compromise the technical merits of the Carbon Sink Initiative; (ii) The Consultant shall make the necessary key informant interviews, as arranged through the Foundation Management, in order to further substantiate/improve the Handbook; (iii) The Consultant is tasked to design and layout the Draft Handbook for approval by Foundation Management; and (iv) The Foundation-approved Handbook shall be finalized by the Consultant and submitted in camera-ready form.

27. Special Assistance for Project Formation (SAPROF) Study for Malitubog-Maridagao Irrigation Project (Phase-2) (MMIP-2); Philippines; Japan Bank for International Cooperation – National Irrigation Administration through Sanyu, Inc; Environment Specialist; Intermittent; January – April 2007

The Specialist provided technical inputs both in the preparation of the MMIP-2 Implementation Plan specifically through; (i) Confirmation on the status of environmental clearance for Phase-1, if it was made, and prepare assessment; (ii) Review of the EIA for Phase-2 made 14 years ago; (iii) Assessment as to compliance with JBIC's Environmental Guidelines; and (iv) Recommend for Implementation Program with Mitigation measures and monitoring plan.

28. Harmonization and Managing for Results; Philippines; Asian Development Bank - Dept. of Environment & Natural Resources; IEC Specialist; Intermittent; May-September 2007

The Specialist provided technical inputs specifically: (i) Assist the EMB in the development of an overall EIS System IEC Plan and strategy and in the development of priority materials, particularly a) provided necessary inputs for the reprinting of the Procedural Manual for DAO 2003-30; b) prepared IEC materials for the general public in collaboration with the EIA Specialist; and c) assisted in the visual design of an improved EIA Webpage in collaboration with the Environmental Information Technology Specialist (EITS); (ii) Assist the EMB in implementing necessary EIS System information drive for the Local Government Units (LGU), particularly; a) prepared IEC plan and necessary materials including orientation modules for LGUs in collaboration with the EIA Specialist; and b) provided inputs as facilitator in the conduct of LGU fora / orientation on the EIS System.

29. Design and Delivery of Subproject Implementation Training Courses for the Core Subproject Sites under the Infrastructure for Rural Productivity Enhancement Sector (InfRES) Training Package 3 – Sub package 3; Philippines; Asian Development Bank – Dept. of Agriculture through Sagric International and SDS, Inc; Environmental Management Subject Matter Specialist; Intermittent; 2006-2007

The Specialist provided technical inputs both in the preparation of the training design, course handbook/manual, and in the actual delivery of the assigned modules/topics specifically on EA and when needed, incorporate Indigenous Peoples concerns. Include concerns for climate change in environmental assessment. Specific tasks included: (i) Coordinated with the Training Team presentation and instructional materials, handouts and other materials used during the course; (ii) Provided the over-all technical direction in the conduct of the training and ensure that training is conducted consistent with the design and schedule; (iii) Together with the Training Coordinator and the facilitator, ensured that sessions/ workshops are properly designed and facilitated, and ensured that participants participate fully in the training activities; and (iv) Reviewed and provided inputs in the finalization of Documentation Reports and Final Training Reports.

30. Interim Evaluation of the Western Mindanao Community Initiatives Project; Philippines; International Fund for Agricultural Development – Dept. of Agrarian Reform; Natural Resource Management and Indigenous Peoples Specialist; Intermittent; July-December 2007

The Specialist provided technical inputs specifically as stipulated: (i) For NRM, assess the project's design, extent component coordination with other components, project staff capacities, gender, component performance (efficiency and effectiveness) in achieving its objectives, performance of project agencies working on this component, and component impact and sustainability on farming and fisheries/aquaculture

practices; (ii) As regards IPs, assess presence and roles given to IPs, effectiveness of the project in meeting IP demands and in incorporating them into project's activities particularly with respect to the BNRMPs, ADSPPP, CADT, and CADC processes and the specific contributions to establishing land titling and transfers, use of IPKS, project impact on policy dialogue (i.e. indigenous knowledge and land titling), and capability of project staff to deal with IP concerns; and (iii) Based on the above analysis, the specialist will be requested to formulate recommendations to improve effectiveness, efficiency and sustainability of IFAD's future interventions in the Philippines.

31. Coordination and Analysis of Rapid Rural Appraisals for Project ACCESS of the Rural Power Project; Philippines; The World Bank – Dept. of Energy through REECS, Inc; Sociologist Cum Technical Monitor For Mindanao; Intermittent; September – December 2007

Provided technical inputs in developing the market for solar photovoltaic (PV) systems using the Sustainable Solar Market Packages (SSMP) by conducting the following: (i) guide, coordinate, report on field methodologies and data collection, and analyze the RRA results for the targeted barangays specifically in Mindanao; and (ii) summarized data and results of the RRAs.

32. Environmental Impact Assessment Review Committee Member; Philippines; Dept. of Environment and Natural Resources; Chair / Social Development Expert; Intermittent; 2006 – 2010

Participated as member of the National Review Committee of the Philippines in the assessment of applications for Environmental Compliance Certificates (ECC). Reviewed projects include: (i) Brixton Coal Mine Project, Brixton Energy & Mining Corporation, 2007-2008, (ii) Dinagat Chromite-Nickel Project – Parcel 2B, United Philippine and China Mining Corporation (UPCMC)/ AAM-PHIL Natural Resources Exploration and Development Corporation, 2008-2009, (iii) Mindoro Nickel Project, INTEX Resources Philippines, Inc., 2007-2010, (iv) Marikina River Basin Sewerage System, Manila Water Company, Inc., 2009, (v) Rehabilitation & Modification of Existing Calcium Carbide Smelting Plant to Produce Ferronickel, Platinum Group of Metals Corporation, 2007, (vi) Expansion of PNOG Geothermal Operations, Energy Development Corporation, 2008, and (vii) 100 MW Coal-Fired Power Plant Project, Trans Asia Power Generation Corporation.

33. IFAD Interim Evaluation Mission for the Cordillera Highland Agricultural Resource Management Project; Philippines; International Fund for Agricultural Development – Dept. of Agriculture; Natural Resource Management and Indigenous Peoples Consultant; Intermittent; July–December 2006

As a mission member of the CHARM evaluation she was under the guidance and supervision of the Team Leader, tasked to do the following: (i) Assess the project's design, particularly the IFAD financed components of reforestation and community mobilization, and its relevance for addressing the unique IP demands based on the IP's livelihoods, beliefs (development perspectives), gender, and practices (indigenous knowledge systems); (ii) Together with the Team Leader ensure the incorporation of IP indicators throughout the entire evaluation exercise (in all other components); (iii) Assess the effectiveness of the project in meeting IP demands; (iv) Assess the role of indigenous knowledge, social and local institutional structures, gender roles, and people throughout the implementation of the project; (v) Assess the project impact on policy dialogue (i.e. indigenous knowledge and land titling); (vi) Assess the human capital available for implementing the IP activities in terms of number, qualification, gender, and motivation; (vii) Assess the effectiveness of the NRM component; (viii) Determine if the project effectively installed required procedures; (ix) Assess the effectiveness of the ICRAF (IFAD grant) support; (x) Determine the suitability and survival rate for trees planted; (xi) With the Agriculture Support specialist assess the effectiveness of the feasibility studies carried out through the project in relation to the income generation aspirations of the IP communities; (xii) Assess sustainability; and (xiii) Develop the instruments for data collection and his/her contribution to the evaluation report and submit them to the Team Leader.

34. World Bank Pool of Environment and Social Safeguards; Philippines; The World Bank; Intermittent; 2004–2006

On call to participate as **Environment and Social Safeguard Specialist** during World Bank Missions (preparatory onto post project completion) in the Philippines. Outputs were aligned by project phase largely on EA and SA/IP Frameworks and IP Development Plan. Projects involved as World Bank Safeguards Specialist: (i) *Review of the Philippine Indigenous Peoples Rights Safeguards System*, Sept. 2006-Jan. 2007; (ii) *Mindanao Rural Development Project – Phase 2*, Mar-Apr 2006; (iii) *Water Resources Development Program (WRDP) Completion Mission and Participatory Irrigation Development Program (PIDP) Preparation Mission*, Oct. 2005; (iv) *Philippines Beach EcoWatch*, Apr. – Dec. 2005; (v) *Thirteenth Implementation Review Mission of the Community-Based Resource Management Project (CBRMP)*, Apr – May 2005; and, (vi) *Joint Needs Assessment Mission in Mindanao – Philippines*, Sept 2004-Jan 2005.

35. National Program Support for Basic Education Project; Philippines; The World Bank – Dept. of Education; Social Assessment and Safeguards Analysis Consultant; Intermittent; 2006

The Consultant was tasked with the following: (i) Conduct rapid stakeholders analysis or review and consolidation of previous stakeholder analysis, if any, for sectors that will have critical roles/influence on BESRA Policy Actions; (ii) Based on stakeholders' analysis, prepare social marketing/ change management plan; (iii) Prepare IP Basic Education Development Plan; (iv) In collaboration with Lead Consultant/Integrator, prepare BESRA Implementation Framework including tasks and responsibilities of various parts of the reform program, time frame for all the reform actions as well as mechanisms for any other organization, donor or group that may want to be part of the reform program (Participation Strategy Plan); and (v) Review of the outputs of the various BESRA Technical Working Groups and ensuring equity provisions in all reforms.

36. Environmental Assessment of Philippine Development Planning and Policy Formulation Processes: Lessons Learned and Implications on Capacity Development Needs; The World Bank through REECS; Social Analysis And Social Safeguards Specialist; Intermittent; December 2005-February 2006

The Scope of Work entailed the (i) Conduct a review of previous experience on attempts to incorporate environmental assessment into these decision-making processes; (ii) Identification of areas of improvement to fully address environmental and social concerns identify and prioritize capacity gaps that need to be addressed within the short and medium term; (iii) Use of the framework "Capacity development framework for the SEA Protocol" (adapted from Jurkeviciute and Dusik, 2004) as guide for the review, to cover broad policy setting, institutional capacity, and human resource capacity; (iv) Focus on the following areas of social dimensions of environmental impacts of energy planning, sanitation planning, and environmental impacts of EIAs at the project level.

37. Laguna de Bay Institutional Strengthening and Community Participation (LISCOP) Project - Environmental Action Planning; Philippines; The World Bank – Laguna Lake Development Authority; Intermittent; 2003-2005

As Social and Institutional Development Specialist: (i) Conduct participatory micro-watershed characterization on social and institutional aspect of micro-watershed profiling; (ii) Collect and assess of institutional and social/ gender data; (iii) Conduct stakeholder analysis and identification for participatory activities to be conducted by the team; (iv) Take lead in social preparation and participation of IPs with due consideration to the requirements needed by NCIP in addressing concerns embodied in IPRA; (v) Ensure measures for resettlement/land acquisition are in place; (vi) With critical inputs from other consultants, spearhead preparation of long list of measures, identification of criteria, ranking of criteria, short listing of subprojects, evaluation of viability of subprojects, identification and endorsement of subprojects; (vii) Assist LGUs prepare Subprojects Appraisal Reports; (viii) Provide assistance in acquisition of commitment signing for selected subprojects; (ix) Take lead role in facilitation of identifying priority interventions that address priority issues and problems identified during LEAP process; and (x) Take lead to consolidate and integrate LEAP Terminal Report including recommendations on LEAP processes, lessons learned and proposed innovations.

As Watershed Management Specialist, (i) Evaluate physical conditions as basis for potential engineering interventions; (ii) With the Environmental Engineer, make an estimation of hydrological balance including rainfall, runoff, recharge and stream flows as well as pollutant loading; (iii) Identify critical data requirements both for characterization as well as detailed engineering design purposes and participate in data collection; (iv) Spearhead identification of engineering design subcontractors upon identification of subproject(s); and, (v) Facilitate engineering design and monitor progress as well as details/technical specifications developed by subcontractor.

38. Establishing a Network of Environment and Social Assessment Professionals (ESAP); Philippines; The World Bank; Environmental/Social Consultant; Intermittent; May-June 2005

Scope of work included: (i) Conduct a capacity assessment of the existing Philippines environment and social professional networks, academic consortia, and related professional groups to determine their potentials as well as limitations using a SWOT analysis; (ii) Conduct interviews or surveys to solicit suggestions and ideas towards the formulation of an environment and social professional network system; (iii) Engage the various WB Knowledge Development Centers in the Philippines and assess their readiness to establish a community of practice among ESA practitioners in their areas; (iv) Develop and present a conceptual framework for the ESA professional network including qualification standards for membership, organizational by-laws, Code of Practice and Manual of Operations; (v) Conduct a multi-sectoral workshop to present the ESA conceptual

framework and obtain feedback on the rationale, organization, functions and use of the ESA network system; and (vi) Recruit volunteers to comprise a core group of ESAP network members to eventually be linked with the International Association for Impact Assessment.

39. *Strengthening the Environmental Performance Monitoring and Evaluation System of the Philippine Environmental Impact Statement System (EIS) Project; The World Bank - Dept. of Environment & Natural Resources; Stakeholder Participation Specialist; Intermittent; March 2003–January 2005*

The scope of services rendered are as follows: (i) Contribute stakeholder participation concerns to the assessment of the current policies, regulations, institutional and legal frameworks governing the EIS Monitoring and Evaluation System; (ii) Formulate recommendations needed for the development of the Draft of a Comprehensive EIS Monitoring and Evaluation Model; (iii) Ensure that all modular inputs to the Final EIS M & E Model are rightfully assimilated; (iv) Contribute modular inputs on the preparation of the Handbook of Procedures and Technical Guidelines on the implementation of the EIS M&E System; (v) Assess existing MMT set-up; (vi) Take lead in the drafting of the Handbook on the Implementation of Multi-stakeholder participation in the EIS M&E; and, (vii) Contribute modular inputs in the development of a Training Program for the use of the above Handbook.

40. *Central Cordillera Agricultural Programme – Phase 2 Post-Project Evaluation Mission; Philippines; European Union – Dept. of Agriculture through Semper Consultants, Inc.; Institutional Development Expert; Intermittent; July-September 2005*

To evaluate the effects of the transfer programme and the appropriateness of CECAP's partnership with the Cordillera Administrative Region and the Local Government Units at the provincial and municipal levels, and the effectiveness and sustainability of people's organizations supported by CECAP including village water associations, irrigators' groups and cooperatives.

41. *Microfinance Sustainable Project of Indonesia; The World Bank – Ministry of Home Affairs through Madecor Group; International Community Survey Specialist; April-July 2004*

As Community Survey and Institutional Development Specialist, worked with Team members to accomplish the following; (i) Contribute to the review and assessment of relevant secondary data, findings and recommendations contained in published reports and studies on microfinance initiatives/ programs/ projects, village-based microfinance/revolving loan fund projects and similar studies, including studies on banks, BPRs, BKKs, LPDs, etc. (ii) Prepare an inventory of the supply of and demand for financial services by acquiring secondary information from the district to the provincial level; (iii) Conduct a survey of at least 150 representative UPKDs at the district level using such parameters as the (a) Quality of community ownership and UPKD governance, (b) Quality of management and staff, (c) Operating costs, (d) Operational efficiency, (e) Quality of financial administration and management, (f) Scope and depth of outreach, and (g) Financial performance with special emphasis on portfolio quality; and (iv) Conduct a client and demand survey to determine the factors that affect preferences on and satisfaction to microfinance services in order to determine the type of institutional framework and marketing strategy that would be most appropriate and economically efficient for the SMFP.

42. *Study for the Development of the Implementing Rules and Regulations of the Philippine Clean Water Act: Phase II; Japan International Cooperation Agency - Dept. of Environment & Natural Resources through Daruma Technologies Inc.; Peer Reviewer cum Consultation Specialist; Intermittent; 30 August to 15 December 2004*

Scope of work included the following tasks: (i) Peer review for enforcement capacity assessment report; (ii) Peer review for all technical studies; (iii) Attend TWG/PSC meetings when needed; (iv) Design and facilitate the three industrial workshops; and (v) Prepare reports for each industrial workshops.

43. *Social and Environmental Impact Assessment on the Proposed Land Management Policy Development Program; Indonesia; The World Bank – BAPPEDA through Madecor Group; International Social/ Environmental Impact Assessment Reviewer; July-October 2003*

The SIA / EIA Reviewer had the prime responsibility for producing the SIA / EIA reports satisfying World Bank requirements for Environmental "Category A" projects (OP 4.01 "Environmental Assessment" and associated annexes), in compliance with all Indonesian laws and regulations.

44. *Socioeconomic Survey on the Barangays in Palawan Province for the Rural Electrification Master Plan; Philippines; Chubu, Inc through RHR Consult Services; Team Leader/ Sociologist; Intermittent; March-September 2003*

The following was the scope of work: (i) Take lead in collection, processing, and analysis of secondary data for all municipalities/barangays in Palawan Province and identification of some barangays for the field survey; (ii) Based on secondary data analysis, identify sample barangays for inclusion in the conduct of a socioeconomic survey utilizing both qualitative and quantitative methods; (iii) To acquire and process comprehensive, detailed data, information, and documents of barangays in Palawan Province for properly reflecting the diversity of social and economic situation of the local areas in the electrification Master Plan; and (iv) Identify existing institutional arrangements with implications to local electrification system and eventually recommend best-fit scheme to implement the electrification Master Plan.

45. Study on Mechanism of Technology Transfer in Pilot Marginal Lands; Philippines; Japan International Cooperation Agency – Bureau of Soil & Water Management through RHR Consult Services; Team Leader Cum Sociologist; Intermittent; 2002-2003

The consultancy work was limited to Project sites in Tanay, Rizal; San Ildefonso, Bulacan; and Impasugong, Bukidnon. The services were as follows: (i) To determine the most appropriate technology transfer mechanisms in the area; (ii) To establish the roles, capacities, and limitations of institutions in the project area for developing and transferring technologies; (iii) To identify effective and efficient ways to achieve multi-agency collaboration, and (iv) Recommend ways for transferring agricultural technologies to farmers in the area.

46. Detailed Engineering Design and Construction Supervision of Catarman-Calbayog via Lope De Vega and Iloilo East Coast-Capiz Roads Improvement Project Under the Arterial Roads Links Development Project (V); Philippines; Japan Bank for International Cooperation – Dept. of Public Works & Highways through SUSTEC; Sociologist/Environment Specialist; Intermittent; 2002-2003

The Specialist was tasked to: (i) Conduct Environmental/Social Assessment; (ii) Develop Environmental Monitoring System and supervise its conduct; and (iii) Assist in Resettlement and Land Acquisition.

47. Performance Review of the Philippines Agricultural Climate Change Project: Conservation and Utilization of Crop Residues as a Greenhouse Gas Mitigation Strategy in the Philippines; Canadian International Development Agency; Philippine Consultant For Project Performance Review; Intermittent; April-July 2002

The Filipino Consultant focused on Project sites in Negros and Panay, Western Visayas. The scope of services by the Filipino Consultant were: (i) Review the work of the existing REAP-PDG partnership and comment on effectiveness of the partnership; (ii) Meet with farmers and community representatives to ascertain their interest in participating in the project; (iii) Assess the organizational and technical capacity of MASIPAG to provide technical and extension support to the project. If weaknesses are identified, propose relevant expertise to complement the organizations; (iv) Assess the chosen project site for viability and assess replicability of the two main activities outside Negros Occidental to Visayas and beyond; (v) Assess training on the points identified above; (vi) Review technology benefits in relation to both poverty and gender indicators; (vii) Review any major assumptions/risks that are likely to hamper project performance, including political/social instability in the Region. Advise if preparation of risk mitigation strategies is necessary, and some potential key elements of such a strategy, and (viii) Report to the Canadian consultant on the findings of the field portion of the review in the manner requested by the Canadian consultant.

48. Detailed Engineering Design of Pasig-Marikina River Channel Improvement Project; Philippines; Japan Bank for International Cooperation – Dept. of Public Works & Highways through CTI Engineering; Sociologist/Social Impact Assessment Specialist; Intermittent; 2000-2002

Based on Detailed design of river channel improvement works (i) conduct Social Impact Study of affected areas; a) Using OECF checklist, b) Inventory survey on exact location, dimensions, and conditions of other existing riparian structures; c) Survey landuse conditions of the banks and riverine areas and, d) Study social impacts of Project implementation and their management/monitoring plan; (ii) Under Information Campaign and Publicity, provide baseline information on: a) Establish perception level of affected communities on flooding and determine reasons for these perceptions, b) Provide an understanding on the squatting phenomenon specifically prevailing attitudes in the acceptance of such phenomenon, c) Identify/list and characterize NGOs operating within the affected areas, and ultimately classify NGOs into pro- and anti-relocation, and d) List and assess past and ongoing squatter-related projects by government.

49. Social Survey For The Over-All Resettlement Program Lower Agusan Development Project Stage 1, Phase II; Philippines; Japan Bank for International Cooperation – Dept. of Public Works & Highways through MSI, Inc and Nippon Koei; Team Leader/Sociologist; Intermittent; 2001

Activities performed are as follows: (i) Formulation of the Draft Resettlement Action Plan (RAP) to include for a) compensation packages and methods, b) homelots and housing assistance schemes, c) rehabilitation assistance, and d) menu of livelihood options; (ii) Draw up mechanisms and define the organization of appropriate management structures of government and private institutions, as well as local structures (i.e., council of leaders to serve as negotiators, local appraisers, monitoring and redress of grievance committee, etc.) with respect to the RAP; and (iii) Determine points of agreements for inclusion in the Memorandum of Agreement for possible RAP implementation.

50. Monitoring and Evaluation of the Rural Infrastructure Development Program; Philippines; Asian Development Bank – Dept. of Agriculture through Madecor Group of Companies; Team Leader/Impact Specialist; Intermittent; October–December 2001

The Terms of Reference stipulate the following: (i) Provide the overall leadership and direction to the consulting services; (ii) Monitor consulting deliverables and make appropriate adjustments in the specialist deployment or in the methodology if warranted; (iii) Conduct an assessment of project's effectiveness and sustainability through key informant interviews; (iv) Conduct an assessment of the demographic and socio-economic profile of beneficiaries covered by the project; (v) Supervise Focus Group Discussions (FGD); (vi) Review the implementation of the project based on their impact on target beneficiaries, gender, and institutions; (vii) Analyze the project's impact on DA PMO personnel, NGOs, communities and other stakeholders; and (viii) Review project accomplishments including target coverage, trained personnel, community participation and analyze levels of significance based on project objectives.

51. Assessment of the Nonformal Education Program (NFE) of the Philippines; Asian Development Bank – Dept. of Education through Madecor Group of Companies; Impact Specialist; Intermittent; December 2000–March 2001

Conducted fieldwork/data collection in Mindanao project areas and determined the ADB-NFE project impact on beneficiaries and the communities in the Provinces of Cotabato Norte, Maguindanao, Taw-Tawi, and Zamboanga del Norte.

52. Community-Based Forest Resources Management Project, Philippines; Asian Development Bank - Dept. of Environment & Natural Resources through DFS-Gitec-Madecor-Sustec Consortium; Intermittent; 2000–2001

As Sociologist/Anthropologist/Poverty Reduction Specialist; August–October 2001: Conducted Social and Poverty Reduction Assessment of proposed Project on the Project Sites and prepared the Indigenous Peoples' Development Plan, NGO-GO Integration, and Stakeholders' Participation Plan for the Rural Livelihood in Mindanao Forestlands Project.

As Poverty Reduction Specialist; October–November 2000: Took lead in the preparation and finalization of the Poverty Impact Assessment Report of CBFMR project sites in line with ADB thrust on poverty reduction in the Provinces of Bukidnon, Davao del Norte, Davao del Sur, Sarangani, and Zamboanga del Sur.

As Sociologist/Gender Specialist; March–September 2000: The Terms of Reference indicated the following scope of work in the Provinces of Bukidnon, Davao del Norte, Davao del Sur, Sarangani, and Zamboanga del Sur: (i) Carry out a baseline survey of forest practices and usage; (ii) Analyze the social structure of the Project population and determine whether the Project objectives are consistent with their needs, interests, capacities; and assess social risks; identification of social differences within the project population and propose mechanisms to deal with them; (iii) Analyze the cause of any problems and constraints to women's participation and prepare proposals to ensure the adequate participation of women in this project; (iv) Analyze the gender roles in the project context and provide gender differentiated information on all relevant parts of the Project concept and measures to ensure equal access and control over resources and benefits by women and active participation of women in decision-making, and (v) Determine the potential impact of the Project on poverty reduction and the socioeconomic conditions of various stakeholders, especially women, indigenous groups, cultural minorities and vulnerable groups, suggest specific social infrastructure to improve their socioeconomic conditions.

53. The Feasibility Study of the Flood Control Project for the Lower Cagayan River: Social Impact Assessment Survey Fourth Works in the Philippines and Technical Specifications for Environmental and Social Impact Assessment Survey; Japan International Cooperation Agency – Dept. of Public Works & Highways through Madecor Group; Team Leader/Sociologist; Intermittent; 2000-2001

Tasked (i) To conduct an inventory on existing assets that may be aligned with the proposed flood control structures being considered in the Feasibility Study; (ii) To elicit concerns, perceptions, intentions and opinions of LGU leaders and local community on the implementation of the proposed flood control project;

and (iii) Extend technical and management/administrative assistance in the preparation of the Feasibility Study with focus on poverty reduction among vulnerable groups of informal dwellers, indigenous people, farmers, women, children and youth.

54. Bukidnon Forests, Inc. Community Development; Philippines; Natural Resources Development Corporation through Nimmo-Bell Consultancy LTD of New Zealand; Community Development Specialist; Intermittent; October 1999-December 2000

Extended technical assistance in the preparation of the BFI Community Development Framework for vulnerable groups, specifically indigenous people and women, within BFI areas of operation addressing issues as poverty reduction, governance, and equity to facilitate NZ operations in the management of BFI concerns.

55. Environmental Impact Assessment Preparation; Philippines; Dept. of Environment and Natural Resources; Team Leader / Social Development Specialist / Adviser; Intermittent; 1997 – 2003

Ensured that the conduct of the EIA was within the bounds of DENR Administrative Order 37-96 and professionally executed. The following projects were undertaken: (i) *Grande Island Rehabilitation Project*, Subic Bay, Silver Dragon Cruises, Inc. 2002; (ii) *Subic Bay Forest Adventure Park Development Project*. Subic Bay Metropolitan Authority. 2002; (iii) *Mak-Ban Geothermal*, Philippine Geothermal, Inc. (PGI) – NAPOCOR. 1999-2000; (iv) *Industrial Forest Management Agreement (IFMA)*, Bukidnon Forests, Inc. (BFI)/Natural Resource Development Corporation (NRDC) of the Department of Environment and Natural Resources (DENR). (1999-2000); (v) *Integrated Solid Waste Management and Social Impact Assessment* towards the Preparation of an EIA, City of Mandaluyong and Chemical Clean, Inc. of Japan. 1997-99; (vi) *Timber License Agreement (TLA)*, Environmental Initiatives, Inc./ Furniture Group, Inc.. 1997-98; (vi) *Industrial Forest Management Agreement (IFMA)*, Industries Development Corporation/ Environmental Initiatives, Inc. 1997-98; (viii) *Industrial Forest Management Agreement (IFMA)*, Southern Plywood, Inc./ Environmental Initiatives, Inc. 1997-98.

56. Western Samar Agriculture Development Programme – WESAMAR – PHILIPPINES Mid-Term Review; European Union – Dept. of Agriculture through Agriconsulting S. A.–Brussels, Belgium; Environmental Specialist; 1997

Participated as member of the Mid-Term Review Team for the WESAMAR Project as funded by the European Union. Specifically provided service as a local expert on environmental concerns.

57. Conservation of Priority Protected Areas Program (CPPAP); Philippines; The World Bank - Dept. of Environment & Natural Resources through the NGOs for Integrated Protected Areas; Protected Area Design Specialist/Head Consultant; 1995–1997

Provided leadership in preparation of a program monitoring and evaluation strategy system to blend government and nongovernment concerns to be easily understood by local people. Extended guidance to program actors specifically indigenous peoples, farmers and fishermen, and women in the implementation of the General Management Planning Strategy (GMPS). Integrated activities and outputs of all consultants. The Project processed recognition and gazetting of 10 Priority sites of the Philippines: (i) Agusan Marsh Protected Area, (ii) Apo Reef Marine Protected Area, (iii) Bataan Natural Park, (iv) Batanes Protected Seascape and Landscape, (v) Mt. Apo Natural Park, (vi) Mt. Kanlaon Natural Park, (vii) Mt. Kitanglad Natural Park, (viii) Northern Sierra Madre Natural Park, (ix) Siargao Island Protected Seascape and Landscape, and (x) Turtle Island Marine Protected Area.

58. Pre-Investment Study of Selected Site-Specific Commodities in ENR-SECAL/CAR Project Sites; Philippines; The World Bank - Dept. of Environment & Natural Resources through OIDCI; Head Consultant; 1993-1994

Supervised project planning, data collection and processing, and technical writing as regards feasibility study preparation for alternative livelihood poverty-stricken areas of the Environment and Natural Resource Second Adjustment Loan (ENR-SECAL) sites of the Cordillera Region. Packages had to be in line with the cultural framework of the different IP groups (Ibaloy, Tingguian, and Kankana-ey) of the Cordillera Region.

59. Benchmark Ecological Profiling; Philippines; The World Bank – Dept. of Environment & Natural Resources through Integrated Watershed Management and Development Foundation, Inc.; Head Consultant; 1993 – 1994

Prepared framework plan for the implementation and analysis of ecological profiling in Provinces of Quirino and Nueva Vizcaya. Planned, supervised, and coordinated with other consultants as regards multi-disciplinary approaches in terms of methodologies in ecological profiling. Integrate all analyses and reports towards preparation of technical report.

60. Mt. Pulog National Park Socioeconomic Survey, Ecological Profiling, and Community Organization; Philippines; World Wildlife Fund (WWF) through Philippine Business for Social Progress (PBSP); Head Consultant; 1993

Designed and conducted surveys on both socioeconomic and ecological dimensions on the Mt. Pulog National Park as part of the Integrated Protected Areas System all within the context of the IP communities (Ibaloy, Kankana-ey, and Kalanguya) residing within the National Park.

IX. EMPLOYMENT / AFFILIATIONS

Adjunct Associate Professor. 2006 to date. School of Environmental Science and Management (SESAM), UP Los Banos. Work Description: Provide academic services for SESAM --- professorial lectures and membership to thesis/dissertation committee adviser in the fields of environmental management and watershed management.

Sole Proprietor. RHR Consult Services. 1998 to 2008. Work Description: Develop, implement, and manage projects as well as the deployment and management of project staff and consultants/specialists.

Sole Proprietor. Mary Ann P. Botengan Consultancy Services. December 2005 to present. Work Description: Develop, implement, and manage projects as well as the deployment and management of project staff and consultants/specialists.

Affiliate Researcher. UPLBCF Department of Social Forestry and Forest Governance, College, Laguna. 1998 to 2000. Work Description: Conducted participatory social science research on devolution and forest resource management using PRAGEN and landscape approaches.

Affiliate Professor. Miriam College, Katipunan Avenue, Loyola Heights, Quezon City. 1997 to 1999. Work Description: Taught Terrestrial Ecology for Master of Science in Environmental Studies.

Director. Highland Socioeconomic Research Institute (HSRI), Benguet State University (BSU). La Trinidad, Benguet, Philippines. 1994 – 1995. Work Description: Supervised, managed, coordinated, and implemented projects designated under the major functions of the Institute, particularly those related to social science research and development. Initiated fund generation for project implementation. Participated in administrative and management functions of University-wide decision-making processes.

Project Research and Development Coordinator. Office of the Vice President for Research and Extension (OVPRE), BSU. La Trinidad, Benguet, Philippines. 1993-94. Work Description: Supervised in the preparation and packaging of research, extension, and development proposals; tasked to perform monitoring and evaluation activities; and, assigned to link with other institutions in order to generate resources for the University.

Science Research Specialist. Highland Agriculture and Resources Research and Development Consortium (HARRDEC), BSU. La Trinidad, Benguet, Philippines. 1985 to 1995. Work Description: Prepared, implemented, coordinated, and established linkages, monitored and evaluated research and development programs in both agriculture and natural resource management in the highlands of Northern Philippines, especially with regard to participation of local people. Evaluated and endorsed research and development proposals.

Graduate Research Aide. School Of Renewable Natural Resources (SRNR), University of Arizona. Tucson, Arizona, USA. February to May 1988. Work Description: Inventory of Pinyon – Junipers in Arizona Rangelands. Assisted Dr. Jeff Stone in primary data collection in Northern Arizona rangelands.

Graduate Research Aide. Bureau of Applied Research in Anthropology (BARA), University of Arizona. Tucson, Arizona, USA. May to July 1988. Work Description: Conducted research work for Dr. Timothy Finan.

Graduate Research Aide. School Of Renewable Natural Resources (SRNR), University of Arizona. Tucson Arizona, USA. June 1987 to April 1988. Work Description: Solar Radiation and Snow-Melt in Northern Arizona Watersheds. Assisted Dr. Peter F. Ffolliott in data processing of research findings, particularly in digitizing for the Geographic Information System program.

Graduate Teaching Assistant. Department of Sociology, Oklahoma State University. Stillwater, Oklahoma, USA. 1986 to 1987. Work Description: Assisted Dr. Keith Moore in teaching undergraduate sociology courses.

Instructor. Social Sciences Division, University of the Philippines – Baguio City. June 1983 to May 1985. Work Description: Taught sociology courses in both the graduate and undergraduate levels, and conducted research and extension activities. Baguio City, Philippines.

Emergency Instructor. Department Of Social Sciences, College of Arts and Sciences, University of the Philippines at Los Baños. College, Laguna. First Semester, 1982. Work Description: Taught undergraduate sociology courses.

Graduate Teaching Assistant. Department Of Social Sciences, College of Arts and Sciences, University of the Philippines at Los Baños. College, Laguna. June 1981 to May 1983. Work Description: Taught undergraduate sociology courses.

X. MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

- Philippine Environment and Social Assessment Network, Inc. (PESAN)
- Multipurpose Tree Species Network (MPTS)
- International Society for Tropical Forestry (ISTF)
- Philippine Forest Research Society (PFRS)
- Society for the Advancement of the Vegetable Industry (SAVI)
- International Society of Rural Sociologists (IRSA)
- UPLB Sociological Society (UPLBSS)

XI. OTHER TRAININGS

- "Orientation Workshop on the Safeguard Policy Statement." Asian Development Bank. 2-4 December 2009. ADB Headquarters, Manila, Philippines.
- *5th Environmental and Social Safeguards Forum for Bank-Assisted Projects in the Philippines.* The World Bank. White Rock Beach Resort Hotel, Subic. November 30 to December 2, 2005.
- *Sociocultural Dimensions of Ecological Solid Waste Management.* Ecological Solid Waste Management and Alternative Technologies. EcoForum Philippines Unlimited, Inc. Bohol Plaza, Dauis, Bohol. August 31 to September 2, 2005.
- *4th Environment and Social Safeguards Forum for World Bank-Assisted Projects: Use of Country Safeguard Systems: Building on Our Strengths.* The World Bank. Montemar Beach Club, Bagac, Bataan. June 15-17, 2005.
- *Consultants Pool Workshop on Environment and Social Safeguards.* The World Bank-Manila Office. The First Villa Cristina Resort and Hotel, Antipolo City, Philippines. 3-5 November 2004.
- *Training-Consultation Workshop on the Proposed Enhancements to Philippine Environmental Impact System-Monitoring and Audit Systems.* EMB-DENR and the World Bank. Orchid Garden Suites, Malate, Manila, Philippines. 13-15 October 2004 and Waterfront Hotel, Davao City, Philippines. 18-20 October 2004.
- *Training on the Conduct of Field Survey for Sustaining Microfinance Project in Indonesia.* Ministry of Home Affairs-Madecor Consortium and the World Bank. Jakarta Selatan, Kota Jakarta, Indonesia. 12 to 14 May 2004.
- *Study Tour on Japanese Integrated Solid Waste Management Technologies.* Funded By Chemical Clean Services of Japan. 19-25 September 1997.
- *Training-Workshop on strengthening stakeholders' participation to protected area management.* World Wildlife Fund/Kabang Kalikasan ng Pilipinas. Subic, Philippines. 13-19 August 1997.
- *Towards a gender-responsive research and development in agriculture and natural resources.* Held at the BNCRDC-DA/CAR, Guisad, Baguio City, Philippines. Sponsored by PCARRD-HARRDEC. 19 - 21 March 1994.
- *6-week international training course on watershed management.* Funded by the US Department of Agriculture. School of Renewable Natural Resources, University of Arizona, Tucson, Arizona, USA. May - June 1987.
- *4-week training course on dryland forestry.* Funded by the US Department of Agriculture. School of Renewable Natural Resources, University of Arizona, Tucson, Arizona, USA. June - July 1987.

XII. WRITTEN WORKS

A. Published Work

G.M. WALTER, J.E. PACTURAN, M. POLLISCO-BOTENGAN, and R.N. SICAD. 2009. *Western Mindanao Community Initiatives Project Interim Evaluation.* Report No. 2027-PH. International Fund for Agricultural Development. Rome, Italy.

BOTENGAN, M.P. 2009. *Annex 2: Technical Working Paper on Natural Resource Management.* In *Western Mindanao Community Initiatives Project Interim Evaluation.* Report No. 2027-PH. International Fund for Agricultural Development. Rome, Italy.

- D. LUCKS, J.E. PACTURAN, C.I.J. PAYUMO, M. POLLISCO-BOTENGAN, and A. PUNTSAGDAVAA. 2007. *Cordillera Highland Agricultural Resource Management Project Completion Evaluation*. Report No. 1886-PH. International Fund for Agricultural Development. Rome, Italy.
- POLLISCO-BOTENGAN, M.P. (Ed). 2007. *Establishing a Community-Based Carbon Sink Initiative Project: TeaM Energy Experience*. TeaM Energy Foundation. Manila, Philippines.
- BOTENGAN, M.P. 2007. *Annex 3: Technical Working Paper on Indigenous Peoples Support and Natural Resource Management*. In *Cordillera Highland Agricultural Resource Management Project Completion Evaluation*. Report No. 1886-PH. International Fund for Agricultural Development. Rome, Italy.
- BOTENGAN, M. P. and M.D.M. CACHA. 2005. *Multi-Stakeholder Participation Handbook. Strengthening the Environmental Performance Monitoring and Evaluation System of the Philippine Environmental Impact Statement System (SEPMES-PEISS)*. EMB-DENR and The World Bank. Institutional Development Facility (IDF) Grant No. TF050534. January 2005. Manila, Philippines.
- BOTENGAN, M.P. and H.P. BOTENGAN. 1993. *NGO Participation to Sustainable Resource Management*. In Gangza. DENR-CAR, Baguio City, Philippines.
- BOTENGAN, M.P. and B.P. BOTENGAN (Editors). 1991. *Proceedings of the 1st National Symposium/ Consultative Meeting on the Management of Critical Watersheds in the Philippines*. Hilltop Press. Baguio City, Philippines.
- VERACION, V.P. and M.P. BOTENGAN. 1991. *Framework Plan on Integrated Watershed Management*. In proceedings of the 1st National Symposium/Consultative Meeting on the Management of Critical Watersheds in the Philippines. Funded by the Ford Foundation. Venus Parkview Hotel, Baguio City, Philippines.
- BOTENGAN, M.P. and K. MOORE. 1987. *The Organization of Household Labor in a Philippine Agroforestry System*. In Proceedings of the International Farming Systems Symposium. University of Arkansas, USA.
- BOTENGAN, M.P., C. DAWANG, H. FOLLOSCO, and A. GALUBA. 1985. *Conditions for Participation in an Integrated Social Forestry Program*. In Proceedings of the 2nd Southeast Asian Universities Agroecosystems Network Regional Symposium. Eds. Sajise and Rambo. UP at Los Baños, College, Laguna, Philippines.
- BOTENGAN, M.P. 1982. *Ilayang Bacong: A Community Experience*. Habitat. Forest Research Institute, Ministry of Natural Resources, College, Laguna, Philippines.

B. Unpublished Work

- POLLISCO-BOTENGAN, M. 2010. *Capacity Assessment for Mainstreaming Indigenous Peoples Concerns in Development: Philippines* for the Regional Targeted Capacity Building for Mainstreaming Indigenous Peoples Concerns in Development. Asian Development Bank. Manila, Philippines.
- BOTENGAN, M. P. 2008. *Annex 4: Socio-Cultural, Economic and Governance Assessment Report*. In *TECHNICAL REPORT 1 (Review and Analysis of the Secondary Information and Proposed Primary Data Gathering Design) Bolos Point Cluster (Municipality of Gattaran, Province of Cagayan, Cagayan Valley Region, Philippines)*. Foundation for the Philippine Environment (FPE). Manila, Philippines.
- POLLISCO-BOTENGAN, M.P. and L.Q. LIGUDEN. 2008. *Assessment of the PDAP-PRIME Environmental Initiatives*. Philippine Development Assistance Programme, Inc. – Canadian International Development Agency. Quezon City, Philippines.
- BOTENGAN, M.P. and A.J.A. QUILLOY. 2006. *Identification of Capacity Development Needs to Conduct Strategic Environmental Assessment in the Philippines: Focus on the Social Dimensions*. In *Environmental Assessment of Philippine Development Planning And Policy Formulation Processes: Lessons Learned and Implications on Capacity Development Needs*. REECS and the World Bank Institute. City of Manila, Philippines.
- BOTENGAN, M.P. 2005. *Assessment of the Institutional Development and Transfer Programme of the Central Cordillera Agricultural Programme-Phase 2 (CECAP-2)*. Post Project Completion Mission for CECAP-2. European Union through Semper Consultants/Halcrow – Philippines.
- BOTENGAN, M.P. 2005. *Environment and Social Safeguard Concerns in the Mindanao Joint Needs Assessment: Final Report*. Mindanao Joint Needs Assessment in Conflict-Affected Areas of Mindanao. The World Bank.
- BOTENGAN, M.P., et. al. 2004. *Field Survey Manual for Task 1: Project Preparation Feasibility Study for Sustaining Microfinance Project (SMFP) - Package A*. Ministry of Home Affairs-Madecor Consortium. The World Bank, PHRD Grant Number PF-051643. Jakarta, Indonesia.
- BOTENGAN, M.P., M.D.M. CACHA, and S.L. PATINDOL. 2004. *Assessment of Multi-Stakeholder Participation to the Philippine EIS-M&E System: Focus on Multipartite Monitoring Teams*. Project for Strengthening the Environmental Performance Monitoring and Evaluation System of the Philippine Environmental Impact Statement System (SEPMES-PEISS). Environmental Management Bureau (EMB)-DENR as funded by the World Bank. Institutional Development Facility (IDF) Grant No. TF050534. Philippines.

- BOTENGAN, M.P., N.V. LLEMIT, and C.S. TORRES. 2003. *Study on Mechanism of Technology Transfer in Pilot Marginal Lands*. Japan International Cooperation Agency (JICA) and Bureau of Soil and Water Management, Department of Agriculture through RHR Consult Services, Inc. Tanay, Rizal; San Ildefonso, Bulacan; and Impasugong, Bukidnon, Philippines.
- BOTENGAN, M.P. 2001. *Impact Assessment of the Functional Educational Literacy Program (FELP) of the DECS-BNFE-Nonformal Education Program*. DECS-Asian Development Bank.
- BOTENGAN, M.P., V.R. CARDENAS, C.B. LAMUG, C.S. TORRES, and D.B. CABANILLA. 2000. *Poverty Assessment in Project Areas and Impact of the Community-Based Forest Resource Mgt. Project Intervention on Poverty Reduction: The Social Dimensions*. Madecor Group-Asian Development Bank.
- BOTENGAN, M.P., et. al. 1994. *Pre-Investment Study of Selected Site-specific Commodities in ENR-SECAL/CAR Project Sites*. Integrated Watershed Management and Development Foundation, Inc. – OIDCI-DENR-World Bank.
- BOTENGAN, M.P., et. al. 1992. *Mt. Pulog National Park Socioeconomic Survey, Ecological Profiling, and Community Organization*. Integrated Watershed Management and Development Foundation, Inc. – Philippine Business for Social Progress (PBSP) and World Wildlife Fund (WWF).
- BOTENGAN, M.P. 1990. *Organization of Household Labor in Agroforestry Systems: Philippine Cases*. Ph.D. dissertation. SRNR- University of Arizona, Tucson, Arizona, USA.
- BOTENGAN, M.P. 1983. *A Comparative Study of Two Communal Tree Farms: A Case Study*. Masteral thesis. UP at Los Baños, College, Laguna, Philippines.
- BOTENGAN, M.P. 1979. *Perceptions of UP Rural High School Students on Presidential Decree 1153 (A compulsory tree planting activity)*. Bachelor's thesis. UP at Los Baños, College, Laguna, Philippines.

C. Authorship not indicated in Final Document

1. As Safeguards Specialist

- Indigenous Peoples Planning Framework for the Greater Mekong Subregion Biodiversity Conservation Corridors: Cambodia, Lao PDR, Viet Nam, and Regional*. October 2010. Asian Development Bank. Bangkok, Thailand.
- Resettlement Framework for the Greater Mekong Subregion Biodiversity Conservation Corridors: Cambodia, Lao PDR, Viet Nam, and Regional*. October 2010. Asian Development Bank. Bangkok, Thailand.
- Gender Action Plan for the Greater Mekong Subregion Biodiversity Conservation Corridors: Cambodia, Lao PDR, Viet Nam, and Regional*. October 2010. Asian Development Bank. Bangkok, Thailand.
- Integrated Persistent Organic Pollutants (IPOP) Management Project (IPOP) Consolidated Outputs: (i) Social Assessment Framework, (ii) Communications Strategy, (iii) Indigenous Peoples Policy Framework, (iv) Involuntary Resettlement Framework, (v) Social Development Framework for Waste Pickers, and (vi) Due Diligence on Linked Projects*. January 2010. Dept. of Environment and Natural Resources - World Bank. Manila, Philippines.
- Indigenous Peoples Development Framework for the Integrated Natural Resources and Environmental Management Project*. October 2009. Dept. of Environment and Natural Resources - Asian Development Bank. Manila, Philippines.
- Resettlement Framework for the Integrated Natural Resources and Environmental Management Project*. October 2009. Dept. of Environment and Natural Resources - Asian Development Bank. Manila, Philippines.
- Gender Action Plan for the Integrated Natural Resources and Environmental Management Project*. October 2009. Dept. of Environment and Natural Resources - Asian Development Bank. Manila, Philippines.
- Environmental Assessment of the Mindanao Rural Development Project – APL2*. 2007. Dept. of Agriculture – World Bank. Manila, Philippines.
- Indigenous Peoples Participation Framework for PH – National Program Support For Basic Education Project*. 2006. The World Bank and Dept. of Education. Manila, Philippines.

2. As Social Development Specialist

- Summary Poverty Reduction And Social Strategy for the Greater Mekong Subregion Biodiversity Conservation Corridors: Cambodia, Lao PDR, Viet Nam, and Regional*. October 2010. Asian Development Bank. Bangkok, Thailand.
- Poverty Reduction and Social Strategy for the Integrated Natural Resources and Environmental Management Project*. October 2009. Asian Development Bank. Manila, Philippines.

3. As IEC Specialist

- Initiatives to Streamlining the Philippine Environmental Impact Statement System (PEISS): A Brief Guide for LGUs*. EIAM Division of the EMB-DENR and the Asian Development Bank. EIA Series 02 – 2007. October 2007.
- The Role of Government Agencies in the Philippine Environmental Impact Statement System (PEISS) Under*

the Revised Procedural Manual. EIAM Division of the EMB-DENR and the Asian Development Bank. EIA Series 03 – 2007. October 2007.

A Brief Guide for the Industry Sector and EIA Reviewers on the Revised Procedural Manual of DAO 2003-03. EIAM Division of the EMB-DENR and the Asian Development Bank. EIA Series 04 – 2007. October 2007.

4. As Team Leader

Development and Testing of Innovative Approaches for Mainstreaming Indigenous Peoples in Selected Agrarian Reform Communities: End-of-Project Assessment. 2009. Dept. of Agrarian Reform and The World Bank. Manila, Philippines.

Enhanced Project Appraisal Document for the Mindanao Rural Development Project-Natural Resources Management. 2008. Dept. of Agriculture - Global Environment Facility-World Bank. Manila, Philippines.

XIII. AWARDS / HONORS / ASSISTANTSHIPS / GRANTS RECEIVED

- *Outstanding Alumnus*. UP Sigma Beta Sorority, UP Los Banos. Dec. 30, 2005
- *Plaque of Appreciation*. Association of Filipino Forestry Students. Dec. 19, 2002
- *Plaque of Recognition*. UPLB Sociology Society Alumni Association. October 12, 2002
- *Research Grant on Agroforestry*. Ford Foundation-Philippines. 1984-85
- *International Peace Scholarship*. Philanthropic Educational Organization, Des Moines, Iowa, USA. 1987-88
- *Graduate College Scholarship*. University of Arizona, Tucson, Arizona USA. 1987 - 1988
- *Winrock International/Ford Foundation Travel Grant*. *Winrock International & Ford Foundation*. 1987
- *Award For Academic Excellence*. Oklahoma State University, Stillwater, Oklahoma USA. 1987
- *Graduate Teaching Assistantship*. Department of Sociology, Oklahoma State University, Stillwater Oklahoma, USA. 1986 - 1987
- *Graduate Teaching Assistantship*. Department of Social Sciences, UP at Los Baños. 1981 - 1983

XIV. PERSONAL INFORMATION

Marital Status: Married to Forester Henry Pucay Botengan

Children: Ryan Filiberto P. Botengan (Male; 30 Sept. 1980)
Henry James P. Botengan (Male; 31 May 1982)
Roy Marie P. Botengan (Female; 22 Aug. 1991)

I, the undersigned, certify to the best of my knowledge and belief that this CV correctly describes my qualifications and my experience. I further understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.



Signature Of Expert

Date Of Signing: March 1, 2012