

# JAMES G. HAMILTON

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## EDUCATION

Master of Science, Agricultural Economics, University of Guelph, Canada (1990)

Bachelor of Business Administration, Management, St. Francis Xavier University, Canada (1987)

## EXPERIENCE

- Present                      **Management Consultant**    **Vancouver, Canada**  
Specialized in program/project management, socio-economics, monitoring and evaluation for agriculture, natural resources, infrastructure, social and local economic development in emerging regions of North America, Asia, and Africa, working with multiple stakeholders (public and private sector, NGO and civil society, and indigenous communities) to achieve their respective objectives.
- 2016 to 2020                **Alinea International**    **Addis Ababa, Ethiopia**  
*Project Field Manager*  
Managed the Global Affairs Canada (GAC)-funded C\$16.4 M “*Capacity Development for Agricultural Growth - Support Facility*” ([www.cdsfethiopian.com](http://www.cdsfethiopian.com)) providing an adult education and participatory experiential learning approach to human capacity development for the multi-donor and World Bank-supported Second Agricultural Growth Program (AGP2) federal and regional Coordination Units and key Government of Ethiopia Ministry of Agriculture implementing agencies.
- 2015 to 2016                **Hatfield Consultants**    **Vancouver, Canada**  
*Senior Manager, International Project Portfolio*  
Led donor and private sector business development and socioeconomic consultancies for the Human Environment Group. Team Leader/Social Assessment for the World Bank proposed \$140 M “*Southeast Asia Disaster Risk Management*” project environmental and social management framework (ESMF), resettlement policy framework (RPF), indigenous peoples planning framework documents for Lao PDR and Cambodia subprojects.
- 2010 to 2014                **Canadian Hunger Foundation (CHF)**    **Ottawa, Canada**  
*Regional Director/Program Manager, Asia*  
Managed \$29.3 M donor-funded (Global Affairs Canada/CIDA, Asian Development Bank, Irish Aid) program portfolio focused on local partner capacity development, food security and sustainable livelihoods projects in Bangladesh, Cambodia, Vietnam, Pakistan, Ethiopia, and Ghana. Focal point for Asia program resource development.
- 2006 to 2009                **Ontario Center for Environmental Technology Advancement**                      **Dhaka, Bangladesh**  
*Project Field Manager*  
Coordinated the CIDA-funded C\$10.4 M “*Bangladesh Environmental Technology Verification – Support to Arsenic Mitigation Project*” addressing environmental and public health with arsenic-safe drinking water technologies.
- 2003 to 2005                **Golder Associates Ltd.**    **Calgary, Canada**  
*Senior Social Specialist*  
Specialized in program evaluation and socio-economic assessment (baseline study, social performance, and risk assessment) as per jurisdictional and regulatory environmental assessment (EA) compliance requirements for proposed undertakings.

## SELECTED PROJECT EXPERIENCE – INFRASTRUCTURE

### Socio-Economist

#### Trans-Canada Highway Phase IIIB Twinning Project

Canada

Conducted a socio-economic assessment and economic efficiency study for Parks Canada on the proposed *Trans Canada Highway (TCH) Phase IIIB* twinning project between Castle Mountain Junction interchange and Lake Louise in Banff National Park. The study consisted of an extensive literature review to understand current transport facility socio-economic assessment and economic efficiency (i.e., benefit-cost analysis) methodologies. The assessment examined baseline conditions as well as predicting future without (FWO) and future with (FW) alternatives particularly, with regard to three parameters: i) social infrastructure in terms of population and community infrastructure; ii) user benefits, business attraction and tourism in terms of travel time savings and safety (animal mortality; human fatality, accident and property damage only); and iii) economic efficiency in terms of indirect impacts (regional effects) and direct impacts (benefit-cost ratio, net present value, and internal rate of return).

### Socio-Economist

#### Eagle Nickel Project Baseline Study

Michigan, USA

Reviewed relevant environmental and social assessment regulations, legal framework, internet and field data search for preparation of socio-economic baseline study compliant with National Environmental Policy Act (NEPA) Guidelines; undertook field investigation to obtain primary information through key informant interviews and focus group discussions; conducted site visit to understand social, economic and environmental justice issues at site and within the socio-economic footprint (area of influence) for the proposed operation; outlined social and economic factors of real or perceived concern to communities in the study region in order to establish baseline conditions which would underpin follow-up feasibility studies as well as to inform subsequent socio-economic impact studies; including the regional economic impact study (REMI), and monitoring of mitigation plans. The Golder Associates baseline studies informed the mine development application document process for the client (Rio Tinto Kennecott).

### Socio-Economist

#### Proposed Wind Power Project Near Chin Coulee

Canada

Responsible for preparation of socio-economic conditions study as per the Wind Power Production Incentive (WPPI) environmental impact statement guidelines for screenings of inland wind farms under the Canadian Environmental Assessment Act (CEAA) to fulfil the proponent's application procedure. The socio-economic study consisted of an extensive literature review, Statistics Canada regional information and local secondary data, reference to issues and concerns expressed during the public consultation process.

### Socio-Economist

#### Cellulose Ethanol Bio-Refinery Site Location Scoping Study

Canada

Desk-based review of socio-economic factors for Golder Associates which might affect the project directly or indirectly for the first commercial scale bio-refinery to produce cellulose ethanol. Golder was contracted by Iogen Corporation to provide consulting services for site selection and environmental assessment. Results of the first phase were added to a multi-criteria decision matrix which was fine-tuned in successive phases as more information was obtained to identify the most optimum site location.

## **SELECTED PROJECT EXPERIENCE – INFRASTRUCTURE (continued)**

### **Socio-Economist**

#### **Southeast Asia Disaster Risk Management Project (SEA DRM)**

**Lao PDR and Cambodia**

Team Leader/Social Assessment Specialist responsible for approach and methodology, work product guidance and quality control of the Hatfield Mekong Consultants contracted World Bank Group (WBG)-proposed \$140.0 M SEA DRM flood risk management subprojects were in compliance with WBG/International Finance Corporation (IFC) Environmental Assessment (EA) operational performance (OP/BP) standard. Drafted inception report outlining methodology and scope for preliminary environmental and social (E&S) assessment (PESA). Following consultation with key informants, focus group, community, and government stakeholders then prepared Environmental and Social Management Framework (ESMF), Resettlement Policy Framework (RPF), respectively, for Cambodia and Lao PDR. Also prepared Lao PDR Ethnic Group Engagement Framework (EGEF) and Cambodia Indigenous Peoples Planning Framework (IPPF) documents. Drafted subject matter technical material and ensured quality control of all report deliverables comprised of multiple documents for Cambodia and Lao PDR. Led team composed of international and national E&S consultants. Proposed subprojects include: Cambodia -- rehabilitated rural access roads in six provinces to provide safer, more cost-effective, all-year access to markets and other social services; and, Lao PDR – flood control protection for provincial capital through riverbank protection, dikes, drainage canal and flood gates, weir and riverside park.

### **Socio-Economist**

#### **Bien Hoa Airbase Contaminated Site Environmental Assessment**

**Vietnam**

Provided desk-based senior technical advice, for Hatfield Consultants, on local communities potentially affected by planned containment and remediation of contaminated soil and sediment at Bien Hoa Airbase. Contributed to sections of the Environmental Assessment report.

### **Socio-Economist**

#### **Small-Scale Irrigation Feasibility Studies**

**Ethiopia**

Desk based cost-benefit analysis case study on the Golder Associates contracted CIDA INC project to assess financial and economic viability of the proposed small-scale irrigation undertaking, draft feasibility study, and conduct socio-economic screening in compliance with Canadian Environmental Assessment Act (CEAA) safeguard guidelines; and draft gender equality and capacity building training plan.

### **Socio-Economist**

#### **Ambatovy Nickel-Cobalt Mine Sector Studies**

**Madagascar**

Supported Golder Associates senior social development specialist baseline studies with desk-based literature and document review; research secondary information of social priorities and draft socio-economic and sectoral review as background document to main social baseline and impact assessment or proposed undertaking in compliance with World Bank/ IFC Environmental Assessment (EA) operational performance (OP/BP) standard.

### **Socio-Economist**

#### **Energy Efficiency Technology**

**Thailand**

Provided desk-based senior review to the social documentation process required by CIDA in relation to funding private sector development projects, in this case, the introduction of a specific energy efficiency technology in Thailand. Components included a socio-economic impact assessment of the use of the energy efficiency technology in industrial plants producing automobile parts and large agri-business and agri-food operations. Additionally, a training plan to support installation, marketing, and assembly of the technology as well as the gender equity plan were reviewed prior to submission to client.

## **SELECTED PROJECT EXPERIENCE – INFRASTRUCTURE (continued)**

### **Socio-Economist**

#### **Veduga Gold Project Public Consultation Plan for EA Scoping**

**Russia**

Developed strategy for environmental assessment (EA) scoping consultations to inform the client, Trans-Siberian Gold, of the World Bank Group (IFC) requirements when considering Category A projects, such as, the proposed Veduga Gold Project and how expectations would be met. IFC requires early public consultation and information disclosure by the proponent throughout the EA process. The communication strategy dealt with the first step, namely, consultations for the purposes of scoping issues to be addressed in the EA. Results of the scoping consultations were to be used as input into finalizing the EA terms of reference.

### **Socio-Economist**

#### **Northeast Regional Water Management Project (NERP)**

**Bangladesh**

Project economist for study report utilizing Ministry of Water Resources Flood Control and Drainage (FCD) guidelines for developing cost-benefit analysis project appraisal methodology to assess the financial and economic benefit/cost streams of project impacts on the resource base and the environment; including agriculture, fisheries, stock resources (damage to infrastructure and buildings) and flow resources (interruptions to economic, social, educational and cultural activities) for the SNC-Lavalin administered CIDA-funded \$10.4 M NERP. Social, ecological and environmental effects were assessed with multi-criteria analysis. Project economic reports contributed to engineering feasibility and environmental impact assessment reports for Dampara Water Management Project and Kalni-Kushiyara River Improvement Project which were taken under advisement by Government, bilateral and multilateral donors to assess feasibility and utility of proposed undertakings.

## SELECTED PROJECT EXPERIENCE – SOCIAL & LOCAL ECONOMIC DEVELOPMENT

### Project Manager

#### Livelihood Improvement of Vulnerable Ethnic Minority Communities

Vietnam

Canada-based Project Manager for the CHF administered USD\$0.55 M Asian Development Bank (ADB) Japanese Fund for Poverty Reduction (JFPR)-funded project which introduced the sustainable livelihoods approach (SLA) to vulnerable ethnic minority communities' (*Co Tu*) project affected people (PAP) who were being relocated due to construction of the Song Bung 4 Hydropower Project in Quang Nam Province, Vietnam. CHF provided technical support to build the capacity of two Resettlement Management and Implementation Units, provincial, district and commune-level stakeholders, and the Electricity Board of Vietnam as per the project's Resettlement and Ethnic Minority Development Plan (REMDP) recommendations. CHF implemented a household-based SLA which identified human, natural, financial, physical and social household assets along with mentorship, coaching, mutual learning and practical application to enhance the PAP livelihood prospects once they were resettled.

### Program Manager

#### Partnership for Enhancing Food and Economic Security for the Rural Poor

Five Countries

Canada-based Coordinator of the CHF administered \$5.0 M CIDA-funded *Partnership for Enhancing Food and Economic Security for the Rural Poor* NGO Partnership Program implemented in Ghana, Kenya, Mozambique, Zimbabwe and Cambodia liaising and guiding managers of country-specific project(s). The multi-country program's goal was to increase resilience to disaster and asset depletion through enhanced beneficiary households' livelihoods resulting from improved agricultural productivity, increased income and savings, and better access to markets. Conducted senior review on program bi-annual and annual narrative reports.

### Project Manager

#### Livelihoods Approach to Food Security, Environmental Protection & Governance

Cambodia

Canada-based Project Manager, with missions to field, for CHF administered \$0.92 M DFATD-funded NGO Partnership Program component. Sustainable livelihoods approach (SLA) guided social transfers (e.g., safe water, hygiene and latrines, livestock, seed, tools, business development service [BDS] training), natural resource management (NRM), income-generation activities (IGA) and micro-enterprises for 700 ultra-poor households.

### Monitoring & Evaluation Advisor

#### VNGOs Capacity Building for Inclusive and Participatory Development Project

Vietnam

Developed approach and methodology, and conducted end-of-project (EOP) evaluation of the € \$0.37 M Irish Aid funded VNGOs' project implemented through CHF and the 48-member Vietnamese partner organization, CIFPEN (Civil Society Inclusion in Food Security & Poverty Elimination Network). Evaluation examined relevancy, effectiveness, efficiency, impact, replicability, and sustainability of the project approach. EOP lessons learned and recommendations were used to support project continuance and funding development proposal to Irish Aid.

### Project Manager

#### Sustainable Livelihoods for Ultra Poor Project

Bangladesh

Canada-based Project Manager, with missions to field, for the CHF administered \$5.0 M CIDA-funded project in Bangladesh. Provided management advice and capacity development to local NGO partner regarding social transfers (e.g. arsenic-safe deep tube wells, hygiene and latrines, livestock, seed and tools, IGA and micro-enterprise assets, business development services training) through the sustainable livelihoods approach for 10,500 direct ultra-poor households with 19,500 additional (indirect) households benefitting from services.

## SELECTED PROJECT EXPERIENCE – SOCIAL & LOCAL ECONOMIC DEVELOPMENT (continued)

### Monitoring & Evaluation Advisor

#### Income Generation for Vulnerable Group Development

**Bangladesh**

CIDA-contracted Operational Evaluation Team Leader Responsible for conducting a in-country process review of the multi-funded (CIDA, DFID, European Commission, NOVIB, United Nations World Food Program [WFP], BRAC and Government of Bangladesh) *Income Generation for Vulnerable Group Development* (IGVGD) programme. The IGVGD programme is the largest food aid intervention targeted to poor rural women. The IGVGD programme combines food aid with BRAC's development package services particularly, the enterprise development income-generation activity (IGA) skills-based training programme and micro-credit facility over a two-year cycle to ensure a foundation (social and physical asset base) for improving participants' livelihoods upon graduation. The process review examined issues related to relevancy and effectiveness of incorporating the staged approach strategy and development package services into the 2003-2004 vulnerable group development cycle and, as far as was possible, reviewed the extent and lessons learned as a result of the implementation strategy.

### Project Manager

#### Bati Adapts to Climate Change Impacts (BACCI)

**Ethiopia**

Launched the \$2.5 M DFATD/CIDA-funded BACCI project in Amhara Region of Ethiopia. Together with national project coordinator and local partner, ORDA (Organization for Rehabilitation and Development in Amhara), verified project proposal assumptions to align work plan activities and budget with ground reality including the addition of two more kebeles/administrative areas. Planned and organized facilitator for conducting risk, vulnerability, and capacity assessment (RVCA) workshop. Participated in performance measurement framework sessions to ensure alignment of results-based management (RBM) metrics and indicator selection.

### Monitoring & Evaluation Advisor

#### Expanding Climate Change Resilience in Northern Ghana Project (ECCRING)

**Ghana**

In-country capacity development to verify/revise performance measurement framework key performance metrics and indicators for CHF administered \$2.65 M DFATD/CIDA-funded ECCRING project as prelude to designing methodology for statistically valid baseline and end of project (EOP) survey; including approach and research design, sampling frame, determination of sample size, selection of survey sample, baseline and EOP questionnaire design.

### Monitoring & Evaluation Advisor

#### VNGOs Capacity Building for Inclusive and Participatory Development

**Vietnam**

Designed methodology and conducted in-country end-of-project evaluation for \$0.37 M Irish Aid-funded VNGOs project implemented through CHF and the 48-member Vietnamese partner organization, CIFPEN (Civil Society Inclusion in Food Security & Poverty Elimination Network). Evaluation examined relevancy, effectiveness, efficiency, impact, replicability, and sustainability of project approach. Lessons and recommendations were used to support CIFPEN's project continuance proposal to Irish Aid.

### Monitoring & Evaluation Advisor

#### Rural Maintenance Programme (RMP III)

**Bangladesh**

In-country Evaluation Specialist conducting needs assessment and institutional strengthening for the CIDA-funded \$32.0 M CARE RMP III project Monitoring and Evaluation (M&E) Unit and program staff. Following gap analysis and competency assessment, designed, and developed M&E course curriculum and training manual as well as delivery of on-the-job functional context and skills development training. Training component included participatory rural appraisal and sustainability of gender-responsiveness and poverty targeting programming. Trainees assessed success of beneficiaries' graduation from food for work (FFW).



## SELECTED PROJECT EXPERIENCE – AGRICULTURE & NATURAL RESOURCES

### Project Manager

#### Capacity Development for Agricultural Growth – Support Facility

Ethiopia

In-country Project Manager responsible for facilitating and managing relations between multiple stakeholders (Ethiopia Ministry of Agriculture and Global Affairs Canada [GAC], World Bank (WB), other donor-funded projects [USAID, EKN, FAO], stakeholders and agricultural communities) associated with the multi-donor funded and World Bank-supported \$581.0 M Second Agricultural Growth Project (AGP2). Managed in-country operations, including Addis Ababa national office + 4 regional offices, to ensure Alinea International's GAC-funded \$16.4 M Capacity Development for Agricultural Growth – Support Facility ([CDSFethiopian.com](http://CDSFethiopian.com)) project purpose and objectives, activities' milestones and deliverables were met through planned and adaptive management. Work breakdown structure (WBS) activity lead for environmental and social management framework (ESMF), resettlement policy framework (RPF), social assessment (SA) and climate smart agriculture (CSA) capacity development. Coordinated with WB-supported Nutrition Sensitive Agriculture (NSA) project which relied on CDSF logistic and material support to achieve results. Liaised with Canada-based Project Director to discuss and strategize on AGP2 Support Facility technical matters and ensure lessons from results-based management (RBM) informed ongoing approach and operations.

### Socio-Economist

#### Building Resilience to Support New Demand of Fruit & Vegetable (BRAND F&V)

Vietnam

Co-led in-country scoping mission to assess rationale and market support (between buyers [supermarkets, hotels, restaurants, and processors] and smallholder producers) for proposed initiative which would build resilience to external shocks whilst ensuring consistent supply of fresh, safe and high quality fruit and vegetable (F&V) produce in three central coastal provinces (Thua Thien Hue, Quang Nam and Da Nang). It was proposed that up to 15,000 primary smallholder producers and their cooperatives would participate based on their willingness to produce F&V compliant with VietGAP and a participatory guarantee system which emphasized quality assurance (i.e. Grading Category A and B). Value chain analysis would determine other entry points for project interventions. It was expected that the project would achieve: consistent supply of fresh, safe and high quality F&V for buyers; increased productivity and resilience of F&V value chain actors; improved accessibility and provision of technical support services to F&V input and output markets; and engaged value chain stakeholders in support of good agricultural practice (GAP). The project would also support female and male youth entrepreneurs to start small- and medium-enterprises (SME) serving F&V markets by offering a package of business development service interventions including business skills, entrepreneurship, mentoring and coaching, and start-up financial support. It was determined that climate-induced effects were the most serious risk to resilience and achievement of results so climate change adaptation (CCA) methodologies and safeguard strategies would be incorporated in the project design.

### Socio-Economist

#### Project Impact Evaluation Study (PPSGDP: PIES)

Pakistan

In-country Team leader/Economist for the HTSPE contracted World Bank-funded \$3.0 M PIES project designed to determine whether the World Bank/International Development Association- (WB/IDA) funded \$36.0 M Punjab Private Sector Groundwater Development Project (PPSGDP) was meeting its objectives in terms of agronomic/socio-economic conditions, physical/engineering dimensions, government and civil society institutional building, and other change mechanisms/patterns from decommissioning of Punjab's salinity control and reclamation (SCARP) tube wells which affected on-farm irrigation water management and agricultural productivity. Provided comprehensive research-design that ensured all potentially affected groups were identified at baseline and impact on them studied systematically (biannually) over the 5-year project timeframe. Among other reporting requirements, data were used to recalculate World Bank project preparation staff appraisal report return on investment.

## **SELECTED PROJECT EXPERIENCE – AGRICULTURE & NATURAL RESOURCES (continued)**

### **Monitoring & Evaluation Advisor**

#### **Punjab Forestry Sector Development Project (PFSDP)**

**Pakistan**

In-country Institutional strengthening advisor for the HTSPE contracted WB/IDA-funded PFSDP monitoring and evaluation (M&E) unit. Conducted an organizational assessment through systems audit, training needs assessment, key informant and Provincial Department of Forestry, Fishery & Wildlife staff interviews to determine operational capacity and identify strengths and areas for improvement. Developed comprehensive training manual for skills development in project cycle planning, monitoring, and reporting.

### **Socio-Economist**

#### **Left Bank Outfall Drain: Impact Evaluation Study (LBOD: SEIES)**

**Pakistan**

In-country agricultural economist providing senior technical advice for the ITAD contracted World Bank and DFID-funded SEIES project which provided baseline and longitudinal studies for the multi-donor (World Bank, Asian Development Bank, DFID/UK Aid, Swiss Development Cooperation, Government of Pakistan) funded \$750 M Left Bank Outfall Drain (LBOD) project to improve performance of the biannual agro-economic survey, socio-economic and secondary effects case studies ahead of the end of project reporting, and to provide data for the World Bank implementation completion reports.

### **Technical Editor**

#### **Reducing Emission from Deforestation and Forest Degradation (REDD+)**

**Indonesia**

In-country final editing and revising to ensure quality control/quality assurance of PT Hatfield Indonesia work product deliverables of ten multiple report documents comprised of Baseline Data and Cadastral Maps for the Central Sulawesi Province. Coordinated technical inputs and monitoring work, revised the end-product to ensure correctness, adherence to UNDP REDD+ terminology and coherence of documentation, resolving editorial issues through consultation with subject matter specialists, undertaking reference and terminology research work and, in conjunction with technical experts, make decisions on terms in subject areas.

### **Monitoring & Evaluation Advisor**

#### **Crop Diversification Programme (CDP)**

**Bangladesh**

In-country institutional strengthening specialist/team leader for Government of Bangladesh, Ministry of Agriculture Project Implementation M&E Unit and other cooperating departments to design and implement evidence-based monitoring and evaluation, results-based management reporting, and lessons learned for the Agrodev Canada CIDA-funded \$36.0 M CDP. The M&E Unit management reporting systems contributed to effective program delivery in terms of crop demonstrations, agricultural extension training, technology adoption, and gender-responsive programming. Advised management on externally conducted sector reports and evaluation studies including CDP Baseline Survey, Bangladesh Bureau of Statistics CDP Crops Estimation Study, Cost of Production Study, and Farming Systems Study.

### **Socio-Economist**

#### **Engrstrom Lake Creel Survey Design**

**Canada**

Designed a single access point two-stage random sample creel survey to determine angler effort, catch and harvest (success) information of the *put-and-take* fishery in Engrstrom Lake for ConocoPhillips. The creel survey study design methodology included operational definitions, development of interviewing guides for both angler and biological data collection instruments, guidance for pre-testing of questionnaires, field investigator training plan, data collection and discussion of non-sampling error, reliability checking, data coding and editing; and discussion of data analysis including tabulation plans and report.



## SELECTED PROJECT EXPERIENCE – AGRICULTURE & NATURAL RESOURCES (continued)

### Monitoring & Evaluation Advisor

#### Gobi Regional Economic Growth Initiative (Gobi Initiative)

Mongolia

In-country assignment developing scope of work for mid-term evaluation of the USAID *Gobi Initiative* which would examine management structure, staffing and organization, outcomes and impact of key program areas for this NGO (Mercy Corps) and civil society partnership project. In separate contract, assessed on-going and planned rural livelihoods' diversification programming (herder groups, rangeland and water management associations, producer marketing organizations) in terms of relevancy, efficiency, effectiveness, impact and sustainability. Reviewed indicators and performance monitoring and suggested additional methods and tools for incorporating lessons learned in "best herder practice" models. Assessed relevance and effectiveness of cashmere market days' event in terms of value chain development. Contributed to development of tools for appraisal and accrediting of national trainers and consultants. Recommended actions to improve/expand programming areas as well as consider exit strategies for rural livelihoods' diversification programming.

### Project Manager

#### Environmental Technology Verification-Support to Arsenic Mitigation

Bangladesh

In-country Project Manager responsible for facilitating and managing relations between multiple stakeholders (Government of Bangladesh and Canada, UNICEF, university, private sector and proponents, NGO and civil society) on the OCETA- (Ontario Centre for Environmental Technology Advancement) administered CIDA-funded \$10.4 M *Bangladesh Environmental Technology Verification – Support for Arsenic Mitigation* (BETV-SAM) knowledge transfer and capacity development project to ensure implementation plan, annual work plans and budget were kept on course with expected results and objectives. Managed local project office composed of scientists and engineers, technical and administrative staff to ensure contracts with NGO and private sector environmental technology field-testing as well as laboratory service providers were compliant with QA/QC standard operating procedures and protocols. Liaised with Canada-based Project Director to discuss and strategize on technical matters to ensure relevancy, coherence, efficiency, and effectiveness, reach and impact, and value for money. . As a result of the ART performance monitoring and field-testing program, the water quality community in Bangladesh critically understood how ARTs performed and operated under real world conditions to generate arsenic-safe drinking water.

### Socio-Economist

#### Poverty Alleviation in Remote Upland Areas (PARUA III) Project

Lao PDR

Livelihoods Advisor for Hatfield Mekong Consultants providing desk-based senior technical advice for the end of project (EOP) final evaluation design, methodology and approach, data collection instrument design, key informant and focus group discussion questionnaires, reviewed and revise sections of the EOP draft final report for CARE Lao PDR.

### Livestock Development Officer

#### Lafia Agricultural Development Project (LADP)

Nigeria

In-country assignment planning and implementing the animal industry work program in support of the LADP livestock development unit including abattoir and cold storage facility and village slaughter slab locations with consideration for modernizing sanitary and animal health measures. Coordinated with local government council to design and implement market surveys to monitor cattle and small livestock trade. Provided animal husbandry guidance to the LADP swine breeding demonstration unit.

## **SELECTED PROJECT EXPERIENCE – AGRICULTURE & NATURAL RESOURCES (continued)**

### **Socio-Economist**

#### **Advancing Governance for the Environmental Management Sector (A-GEMS)**

**Myanmar**

Desk-based lead proposal author for the A-GEMS initiative proposal designed to address gaps in the application of sector-specific environmental and social (EA) impact assessment guidelines for mining projects in Myanmar. Capital investment projects (mining, hydropower, gas transmission pipelines, infrastructure) can impact the long-term health and productivity of the natural environment affecting the biological diversity and ecological integrity of the country. In addition to the positive effects, these capital-intensive projects may also have significant adverse social and economic impacts often lasting beyond the project lifecycle. It was proposed that A-GEMS would provide: institutional strengthening and capacity development to key stakeholders through a process of developing organizational transparency and clearly-defined responsibilities; enhanced accessibility, collaboration and provision of information and participatory and inclusive engagement with affected people (e.g. urban and rural populations including communities, vulnerable groups, ethnic minorities and indigenous people, men and women, female and male youth and children, disabled); and high quality, evidence-based and inclusive EA implementation for small- and large-scale mining projects. Proposal submitted to Global Affairs Canada (GAC) for funding consideration.

### **Socio-Economist**

#### **International Services Directorate, Consulting and Audit Canada (CAC)**

**Canada**

Public Services and Procurement Canada maintained a database of consultants who provided desk-based management consulting services related to policies, programs, projects, and systems of the Canadian International Development Agency (CIDA) Bilateral Program. As a preferred consultant to CAC, I provided applied management consulting for international development administration, research and policy/program evaluation and research for Africa & Middle East Branch, Asia Branch, and the Caribbean and Americas Branch; developed project planning tools including food aid monitoring framework, logical framework analysis, and work breakdown structures; and conducted operational assessments, project review and evaluation studies including: NORRIP/Ghana management, Ethiopia/Sudan NGO food aid operational review, food aid resource transfer efficiency study, counterpart fund issues paper, country focus program management controls, end-of-project reviews and termination reports which included documentation of operational and developmental lessons learned.

### **Socio-Economist**

#### **Tanzania – Canada Agrogeology Project**

**Tanzania**

Planned and organized in-country data collection and site visits to inform the proposed Panda Hill igneous apatite small-scale mine prefeasibility study using cost-benefit analysis appraisal techniques. Due to soil characteristics of the Mbeya Highlands, the applied igneous apatite released its phosphate content slowly over the critical maize growing season thus providing an important mineral for healthy plant growth. The case study investigated the financial and economic viability of developing a small-scale phosphate mine and beneficiating operation for the distribution of rock phosphate to be used as a direct-application fertilizer by farmers in the Mbeya region of Tanzania. Local production of phosphate fertilizer would reduce both fertilizer shortages and foreign currency requirements through import substitution. It would also benefit the local economy by providing employment in the mining and beneficiating operation. Preliminary data showed that the development of the project would be highly beneficial for farmers, the local economy of the region, and for the nation. The case study supported University of Guelph thesis and degree requirements and resulted in jointly authored publication (World Development, Volume 20, No. 6, pp. 907-918).