

Resume: Gary E. Alex

Summary of Qualifications: Agricultural Development Officer with extensive senior level professional experience in design and management of rural development portfolios emphasizing agricultural productivity and private sector development. International experience includes 27 years overseas in challenging assignments in Asia, Africa, and Latin America. Skills include sector and institutional analysis and design of program interventions to address rural technology needs. Major experience in areas of:

- * Agricultural Research/Extension
- * Agribusiness & Private Sector
- * Agricultural Education
- * Irrigation/Water Management
- * Environment/NRM
- * Food Aid Management
- * Agricultural Policy
- * Alternative Development
- * Agricultural Settlement
- * Rural Infrastructure

PROFESSIONAL EXPERIENCE

Farmer-to-Farmer Volunteer Program Manager – USAID/Washington 2007 - 2018

- Designed and managed voluntary technical assistance programs with 19 partners in over 45 countries, focused on technology transfer and capacity development for food security, conservation, and agricultural productivity; Annual budgets of \$15 million plus multi-year associate projects totaling \$143 million.
- Designed programs for: food security in Tajikistan; youth-oriented agricultural development in Guinea; local capacity development in Senegal; rural development value chains in Burma; and global extension capacity development; completed analysis and design for agricultural production, extension, agribusiness, and education in Moldova, DRC, Ghana, Liberia, East Timor, Senegal, Guinea, and Bangladesh.
- Led analysis, design, and implementation of global programs to strengthen agricultural extension and education systems; facilitated expert roundtable on strengthening National Agricultural Research System.
- Led community of practice for excellence in agricultural volunteer program implementation.

Economic Growth/Food Security Team Leader/Adviser - USAID/Sudan 2005-2007

- Led six-person team designing and managing an economic growth/food security program with an annual budget of \$75 million, including infrastructure (roads, electrification, town planning), institution building (economic ministries, central bank, environmental sector), and income generation (marketing, enterprise development, agriculture, micro-finance).
- Led design and procurement of a \$700 million infrastructure IQC contract.
- Integrated economic growth volunteer program, including Sudanese Diaspora, into overall agricultural marketing and enterprise development capacity building strategy.

Farmer-to-Farmer Volunteer Program Manager - USAID/Washington 2003-2005

- Managed volunteer program with 12 projects covering 40+ countries, providing 600 assignments per year for work on business development, technology transfer, marketing, and cooperative development.
- Coordinated development of a manual on good practice for international volunteer programs for economic development.

Technical Consultant - World Bank/Washington 1996-2003

- Prepared an Agricultural Investment Source Book to guide investment in agricultural policy, technology, private sector and financial markets, farmer empowerment, natural resource conservation, sustainable agriculture, and irrigation.
- Project preparation, supervision, and appraisal for agriculture and natural resources projects in Bolivia, Peru, Nepal, Venezuela, Colombia, Ecuador, and Guatemala; design of program M&E and impact assessment systems for projects in Venezuela, Ecuador, and East and Central Europe.

- Designed websites and tools for World Bank knowledge management relating to agricultural knowledge and information systems and animal resources investments;
- Prepared good practice analyses on: strengthening agricultural research systems, universities and national technology systems; monitoring and evaluation of agricultural technology programs; financing agricultural and natural resources research; decentralizing technology programs; contracting research and extension services; and strengthening national extension systems.
- Led team to develop performance and impact monitoring system using geographic information system (GIS) to improve management of international agricultural research programs; supported multi-donor partnerships for: Sub-Saharan Africa Seed Initiative, African Soil Fertility Initiative, and regional agricultural research associations
- Completed reviews of investments in research, extension and poverty reduction; organized global workshop on new approaches to extension and information services support to rural development;
- Developed strategic plan and project proposals for NGO volunteer programs in Bangladesh, Ecuador, and Indochina; completed project Output-to Purpose reviews and redesign of agricultural services reform and poverty-targeted extension projects for DFID; and designed research uptake strategies for IRRI program in Bangladesh.

Agricultural Development Officer - USAID/Sri Lanka

1988-1995

- Directed agriculture/natural program with 12 professional staff and 40 contract specialists implementing 12 projects with total annual expenditures of \$ 35 million.
- Designed and managed projects to strengthen research on diversified cropping systems (\$14 million); natural resources management (\$3 million); and on-farm water management and farming systems (\$10 million).
- Planned and managed \$335 million Multi-Year Food Assistance Plan to use PL-480 Title I, II, and II resources to: meet cereal import needs, provide supplemental food for child feeding, and support policy reform in the food and agricultural sector.
- Developed management systems and strategies to successfully integrate environmental and conservation programs into the overall agriculture/rural program, while maintaining program effectiveness at reduced cost.
- Prepared \$25 million agribusiness development program to introduce new technology and diversify Sri Lankan agriculture with resulting creation of 15,000 new jobs and 10% increase in exports.

Agricultural Development Officer -- USAID/Burma

1987-1988

- Managed \$45 million agricultural development program to reform national input supply and agricultural research systems; managed project to develop research station facilities and establish integrated research program for oilseed crops.

Agricultural Development Officer -- USAID/Nepal

1981-1987

- Managed \$50 million agricultural sector program developing national institutions for university level training, policy analysis, input supply, and research/extension.
- Managed major research projects, including support for commodity program development, farming systems research, and university development projects.
- Coordinated special production program that introduced new technologies, increased food production, and nearly doubled incomes for 34,000 families.

Agricultural Development Officer -- USAID/Bolivia

1977-1980

- Managed Agriculture/Rural Development Office with 12 professional staff and project portfolio of \$263 million.
- Designed rural financial market program to make production credit available to 100,000 families.
- Served on team to design a major multi-year PL-480 Title III program.

- Managed exploratory research project to develop technologies for settlement of new lands in wetter areas of eastern Bolivia.
- Prepared and won approval for \$27 million coca crop substitution project.

Joint Operator of Private Grain Farm

1975-1977

Rockford, Illinois

- Joint operator of a 700 acre corn-soybean farm;
- Developed a grain handling and storage system to improve marketing flexibility.

Agricultural Development Specialist – USAID/Laos

1972-1975

- Managed a provincial agriculture and rural development program with a staff of 15.
- Planned and developed hill crop applied research center with a technical staff of eight to address natural resource management and cash crop production problem for northern Laos.
- Supported refugee relief and food aid distribution program in northwestern Laos.
- Designed and managed regional extension programs for crop diversification, aquaculture, and irrigated agricultural development to resettle 30,000 refugees and provide economic alternatives to opium production.

Rural Arts Professor/International Voluntary Services

1968-1972

Lao Teacher Training School, Pakse, Laos

- Directed four person staff teaching agriculture and community development to 800 Lao teacher training students
- Prepared series of 11 text book modules on agriculture and community development.
- Managed upland maize fertility trials and poultry feed trials for small farmer production.

EDUCATION

M.Sc.	Animal Nutrition	Cornell University, Ithaca, N.Y.	1968
B.Sc.	Agricultural Science	Univ. of Illinois, Champaign, Ill.	1966
Technical	Agribusiness	Santa Clara University, Santa Clara, NY	1992

LANGUAGES

Lao (fluent), Thai (good), Spanish (good), Nepali (good), Burmese (useful), Sinhalese (useful)

HONORS AND AWARDS

USAID Performance Awards -- 1992, 1991, 1990, 1986; 2006; Royal Order of the Lao Erawan (nominated) ---1974; Gamma Alpha – 1967; Gamma Sigma Delta –1966; Phi Kappa Phi – 1966; Alpha Zeta – 1963

PUBLICATIONS (not including Program and Project-Specific Strategies, Design Documents, and Evaluations)

Derek Byerlee and Gary Alex. 1998; *Strengthening National Agricultural Research Systems: Selected Issues and Good Practice*; The World Bank, Environmentally and Socially Sustainable Development Studies and Monographs Series; The World Bank, Rural Development Family.

Derek Byerlee and Gary Alex; 1997; “Towards More Effective Utilization of External Assistance in Building Agricultural Research Systems” in *ISNAR Sourcebook on Financing Agricultural Research*. ISNAR, The Hague.

Derek Byerlee and Gary Alex; 2002; *Designing Investments in Agricultural Research for Enhanced Poverty Impacts*; The World Bank, Rural Development Family, Sustainable Agricultural Systems, Knowledge and Institutions (SASKI).

Elon Gilbert, Robert Navin, Gary Alex, Eric, Benschoter, Anne Cullen, and Ronni Flannery. 2005. *Managing International Volunteer Programs: A Farmer-to-Farmer Program Manual*. U.S. Agency for International Development website: http://pdf.usaid.gov/pdf_docs/PNADC356.pdf.

Gary Alex and David Anderson. 1999. *Developing Enterprise through Direct Assistance*. Rural Development Department, World Bank.

Gary Alex and Derek Byerlee; 1999; *Integrating Universities into National Agricultural Research and Extension Systems: Good Practice for Investment in Agricultural University Programs*; The World Bank, Rural Development Family, Agricultural Knowledge & Information Systems (AKIS).

Gary Alex and Derek Byerlee; 2000; *Monitoring and Evaluation for AKIS Projects: Framework and Options*; The World Bank, Rural Development Family, Agricultural Knowledge & Information Systems (AKIS).

Gary Alex and Derek Byerlee; 2005; “Planning Financing and Investment” in *ISNAR Planning Agricultural Research: A Sourcebook*. Oxon, U.K.: CAB International.

Gary Alex and Don Metz; 1997; “Research Investment Strategies in Asia” in *New Investment Strategies for Agricultural and Natural Resource Research in Developing Countries*. Oxon, U.K.: CAB International.

Gary Alex and Erin Baize (editors). 2016, “Managing International Volunteer Programs: A Farmer-to-Farmer Program Manual of Good Practices” prepared with inputs from Farmer-to-Farmer Community of Practice.

Gary Alex and Guenter Steinacker; 1997; “Experience and Issues in Financing Investments in Natural Resources Management Research” in *New Investment Strategies for Agricultural and Natural Resource Research in Developing Countries*. Oxon, U.K.: CAB International.

Gary Alex and others; 2000; *Decentralizing Agricultural Extension: Lessons and Good Practice*; The World Bank, Rural Development Family, Agricultural Knowledge & Information Systems (AKIS).

Gary Alex and Sam Kane with contributions from many subject matter specialist. 2004. *Agricultural Investment Sourcebook*. (A reference manual with 11 modules covering separate agricultural sub-sector investment areas.) The World Bank, Washington.

Gary Alex, Derek Byerlee, Marie-Helena Collion, and William Rivera. 2004. *Extension and Rural Development—Converging Views on Institutional Approaches?* Agriculture and Rural Development Discussion Paper No. 4. Washington, DC: The World Bank.

Gary Alex, Tom Remington, and Philip Steffen. 2006. “Strengthening Agricultural Markets in Areas Affected by Conflict” in *Agricultural Investment Sourcebook*. The World Bank, Washington. World Bank website: <http://web.worldbank.org/WBSITE/EXTERNAL/TOPICS/EXTARD/EXTAGISOU/0,,contentMDK:20965408~menuPK:2758828~pagePK:64168445~piPK:64168309~theSitePK:2502781,00.html>.

Gary Alex, Willem Zijp, and Derek Byerlee. 2002. *Rural Extension and Advisory Services: New Directions*. Rural Strategy Background Paper #9. Washington, DC: The World Bank.

Gary Alex; 1998; *Assessing Agricultural Research: Towards Consensus on a Framework for Performance and Impact Assessment—Agricultural Research and Extension Group Special Report No. 6*; The World Bank Agricultural Research and Extension Group (ESDAR).

Gesa Horstkotte-Wessler, Mywish Maredia, Derek Byerlee, and Gary Alex; 2000; *Ex Ante Economic Analysis in AKIS Projects: Methods and Guidelines for Good Practice*; The World Bank, Rural Development Family, Agricultural Knowledge & Information Systems (AKIS).

W. Rivera and G. Alex; 2008; “Human Resource Development for Modernizing the Agricultural Workforce”, *Human Resource Development Review*, Vol. 7, No. 4, 374-386; DOI: 10.1177/1534484308324633.

W.M. Rivera & G. Alex (2005). “Extension Reform: the Challenges Ahead” in: *Proceeding of the Association for International Agricultural and Extension Education*. San Antonio, TX: AIAEE 21st annual conf.

W.M. Rivera & G. Alex (Eds.). (2003). *Extension Reform for Rural Development. Vols. 1-5: Case Studies of International Initiatives*. Washington, DC: The World Bank. Online:
<http://lnweb18.worldbank.org/ESSD/ardext.nsf/11ByDocName/PublicationsExtensionReformforRuralDevelopment>.

W.M. Rivera & G. Alex. (2004). “The Continuing Role of the Public Sector in Pluralistic Extension Systems” in: *Proceeding of the Association for International Agricultural and Extension Education*. Dublin, Ireland: AIAEE 20th annual conference.

W.M. Rivera & G. Alex. (2004). “Introduction and Conclusion on Extension System Reform and the Challenges Ahead” in: W.M. Rivera & G. Alex (Eds.), *Extension Reform for Rural Development: Case studies of International Initiatives*. Washington, DC: The World Bank.

W.M. Rivera and Gary Alex. 2004. “Extension System Reform and the Challenges Ahead” in *European Journal of Agricultural and Extension Education*.

W.M. Rivera, W. Zijp & G. Alex. (2002). “Good Practices in Contracting for Extension”, in W.M. Rivera & W. Zijp (Eds.), *Contracting for Agricultural Extension: International Case Studies and Emerging Practices*. Oxon, U.K.: CAB International, 1-18.

William M. Rivera, Willem Zijp, and Gary Alex; 2000; *Contracting for Extension: Review of Emerging Practices*; The World Bank, Rural Development Family, Agricultural Knowledge & Information Systems (AKIS).