



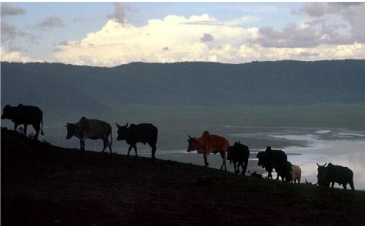
**Feed the Future Food Security Innovation Labs:
Collaborative Research Programs**



AquaFish



Dr. Sebastian Chenyambuga



AQUA FISH

- Leader with Associates Cooperative Agreement No. EPP-A-00-06-00012-00
- **2006-2011** With a No-Cost Extension Through 31 March 2013
- New proposal currently in review at USAID for a 5-year extension 2013-2018
- Under the new name: “Feed the Future Food Security Innovation Lab: Collaborative Research on Aquaculture & Fisheries” (AquaFish)



Feed the Future Food Security Innovation Labs: Collaborative Research Programs

AquaFish KEY Partners 2006-2012

Africa Project I:

Auburn University, Alabama A&M, University of Georgia
Makerere University, Gulu University, NaFIRRI (Uganda)
Stellenbosch University (South Africa)

Africa Project II:

Purdue University, Virginia Polytechnic Institute & State University, University of Arkansas at Pine Bluff
Kwame Nkrumah University of Science and Technology (Ghana)
Kenyatta University, Moi University, Ministry of Fisheries Development (Kenya)
Sokoine University of Agriculture (Tanzania)

Asia Project I:

North Carolina State University, University of Arizona
Central Luzon State University, South East Asian Fisheries Development Center- Aquaculture Division, Bureau of Fisheries and Aquatic Resources (Philippines)
Ujung Batee Aquaculture Center (Indonesia)

Asia Project II:

University of Michigan, WWF
Wuhan University, Shanghai Ocean University, Hainan University, Huazhong University (China)
Bangladesh Agricultural University (Bangladesh)
Network for Aquaculture Centers in Asia (Thailand)
Institute of Agriculture and Animal Sciences (Nepal)
Nong Lam University (Vietnam)

Asia Project III:

University of Connecticut, University of Rhode Island
Inland Fisheries Research and Development Institute (Cambodia)
Can Tho University (Vietnam)

LAC Project I:

University of Hawaii-Hilo, Louisiana State University, Ohio State University
Center for Research for Aquatic Ecosystems and Aquaculture/Central American University (Nicaragua)
The Autonomous University of Sinaloa-Culiacan and Mazatlan, Research Center for Food & Development (Mexico)

LAC Project II:

University of Arizona, Texas Tech University
Universidad Autonoma de Tamaulipas, Universidad Juarez Autonoma de Tabasco (Mexico)
Guyana Department of Fisheries, University of Guyana (Guyana)

Associate Award Mali Project:

Oregon State University
DNP Mali, Ministry of Fisheries, USAID Mali Mission (Mali)
Moi University, Kenyatta University, FishAfrica (Kenya)
Shanghai Ocean University (China)

Associate Award FTF Project:

Oregon State University, Purdue University, Virginia Polytechnic Institute & State University
Kwame Nkrumah University of Science and Technology (Ghana)
Ministry of Fisheries Development (Kenya)
Ministry of Natural Resources and Tourism, Sokoine University of Agriculture (Tanzania)



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AquaFish Training Data for East Africa

	Short-Term Trainees	Long-Term (Degree)
Tanzania	92	7
Kenya	459	22
Uganda	459	5
Total	1010	34
%Women	27%	41.2%
# of Short-term events	41	--
%PhD	--	6%
%MS	--	53%
%BS	--	24%
%Other Degree (Certificate etc.)	--	18%



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AquaFish Investigations in Tanzania

- Development of locally available feed resource base in Tanzania
- On farm verification of tilapia-catfish predation culture
- Develop feeding strategies for *Moringa oleifera* and *Leucaena leucocephala* as protein sources in tilapia diets.
- Evaluation of performance of different tilapia species.
- Training trainers for long term and sustained impact of pond aquaculture in Africa. (Tanzania, Uganda, and Kenya)
- Associate Award FTF Project: Enhancing the Profitability of Small Aquaculture Operations in Ghana, Kenya, and Tanzania. (Tanzania and Kenya)



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AquaFish Investigations: Uganda and Kenya

Kenya

Development of small-scale Clarias fingerlings as bait for Lake Victoria commercial fisheries in Western Kenya

Developing supply chain and group marketing systems for fish farmers in Ghana and Kenya

Experimental Pond Unit Assessment in Kenya

Assessment of integrated pond-cage system for the production of Nile Tilapia for improved livelihood of small-scale fish farmers in Kenya.

Effects of ACRSP intervention strategies on Aquaculture development in Kenya A study of consumer fish preferences: Opportunities for strategic supply of tilapia and catfish products.

Uganda

Surface catchment development and sustainability evaluation for multipurpose water supply for meeting aquaculture and other water needs.

Evaluation and improvement of production technology in Uganda: case studies of small-holder cage culture in watershed reservoirs and as an alternative livelihood for fishers.

Market assessment and profitability analysis of aquaculture enterprises in Uganda.

Aquaculture training and outreach in Uganda and surrounding nations. Prospects and Potential of the African Lungfish (*Protopterus Spp*): An Alternative Source of Fishing and Fish Farming Livelihoods in Uganda and Kenya



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