

ABOUT AQUAFISH CRSP

The AquaFish Collaborative Research Support Program (CRSP) builds on decades of successes and lessons learned from Oregon State University's Aquaculture CRSP.

Its mission is to enrich livelihoods and promote health by cultivating international multidisciplinary partnerships that advance science, research, education, and outreach in aquatic resources.

Bringing together resources from Host Country institutions and US universities, the AquaFish CRSP emphasizes sustainable solutions in aquaculture and fisheries for improving health, building wealth, conserving natural environments for future generations, and strengthening poorer countries' abilities to self-govern.

AQUACULTURE IN OUR WORLD

Farming of aquatic animals and plants has ancient origins with its earliest beginnings in China over 4000 years ago.

Today, aquaculture products are the single most important source of dietary animal protein in many developing countries.

Capture fisheries alone can no longer meet global food fish demand, which has tripled since 1990. Aquaculture and sustainable fisheries management offer the primary means for offsetting the widening gap between supply and demand.

The AquaFish CRSP brings together resources from US universities and Host Country institutions to support research, education, and outreach in aquaculture, fisheries, and water resources around the globe.

AQUAFISH GOALS

- Develop sustainable end-user level aquaculture and fisheries systems to increase productivity, enhance international trade opportunities, and contribute to responsible aquatic resource management.
- Enhance local capacity in aquaculture and aquatic resource management to ensure long-term program impacts at the community and national levels.
- Foster wide dissemination of research results and technologies to local stakeholders at all levels, including end-users, researchers, and government officials.
- Increase Host Country capacity and productivity to contribute to national food security, income generation, and market access.



Boy with tilapia, Guyana



Native oyster spat collector, México



Weighing tilapia feeds, Philippines

AQUAFISH

COLLABORATIVE RESEARCH SUPPORT PROGRAM



AquaFish CRSP
Oregon State University
Lead Institution

México
Nicaragua

Guyana

Mali

Ghana

Nepal

Kenya

Uganda

Tanzania

South Africa

Bangladesh

China

Vietnam

Philippines

Indonesia

Cambodia

GLOBAL THEMES



Improved Health and Nutrition, Food Quality, and Food Safety



Environmental Management for Sustainable Aquatic Resources Use



Income Generation for Small-Scale Fish Farmers and Fishers



Enhanced Trade Opportunities for Global Fishery Markets



Fish breeding hapas, Ghana



Indoor aquaculture facility, China



Small-size market fish, Cambodia



Fish feed analysis, Tanzania



Children and fish, Cambodia



Tilapia ready for drying, Kenya



Earthen fish ponds, Uganda



Shellfish field training, Nicaragua



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AQUAFISH CRSP PROJECTS

CAMBODIA AND VIETNAM

Development of Alternatives to the Use of Freshwater Low Value Fish for Aquaculture in the Lower Mekong Basin of Cambodia and Vietnam: Implications for Livelihoods, Production and Markets

Lead US Institution: University of Connecticut-Avery Point

NICARAGUA AND MÉXICO

Human Health and Aquaculture: Health Benefits Through Improving Aquaculture Sanitation and Best Management Practices

Lead US Institution: University of Hawai'i at Hilo

KENYA, GHANA, AND TANZANIA

Improving Competitiveness of African Aquaculture Through Capacity Building, Improved Technology, and Management of Supply Chain and Natural Resources

Lead US Institution: Purdue University

CHINA, VIETNAM, AND NEPAL

Improving Sustainability and Reducing Environmental Impacts of Aquaculture Systems in China, and South and Southeast Asia

Lead US Institution: University of Michigan

PHILIPPINES AND INDONESIA

Improved Cost Effectiveness and Sustainability of Aquaculture in The Philippines and Indonesia

Lead US Institution: North Carolina State University

MÉXICO AND GUYANA

Developing Sustainable Aquaculture for Coastal and Tilapia Systems in the Americas

Lead US Institution: University of Arizona

SOUTH AFRICA AND UGANDA

Hydrology, Water Harvesting, and Watershed Management for Food Security, Income, and Health: Small Impoundments for Aquaculture and other Community Uses

Lead US Institution: Auburn University

KENYA, GHANA, AND TANZANIA*

The Feed the Future Initiative: Enhancing the Profitability of Small Aquaculture Operations

Lead US Institutions: Purdue University and Virginia Polytechnic Institute & State University

ALL HOST COUNTRIES

Assessing the Impacts of CRSP Research: Human Capital, Research Discovery, and Technological Adoption

Lead US Institutions: Oregon State University and Montana State University

*This project is supported separately through an associate award under the AquaFish CRSP "Leader with Associates" designation.



Nairobi market study, Kenya



Cultured tilapia, Vietnam



Snook fishermen, México