OVERVIEW
The AquaFish Collaborative Research Support Program (AquaFish CRSP) is actively engaged in aquaculture and fisheries research, training, and outreach activities in 15 countries in Africa, Asia, and Latin America. One of the key objectives of the AquaFish CRSP is to build and strengthen the capacities of institutions and individuals, largely emphasizing human resource and institutional development through training and outreach activities. Graduate and undergraduate students receiving AquaFish CRSP support for their training come from 19 countries (Figure 1).

The AquaFish CRSP capacity-building efforts benefit stakeholders in the US and participating Host Countries through the transfer of knowledge and technology, the dissemination of information about best management practices, and increased economic opportunities. This component of the CRSP development focus ultimately increases the sustainability of aquaculture and fisheries in all regions.

LONG-TERM TRAINING
Long-term training is defined as formal training occurring in an academic setting (six months or longer) either for an academic degree or a technical certificate. Direct involvement in AquaFish CRSP research projects provides Host Country and US students opportunities for both academic training and experience, ensuring positive impacts on international development.

Since the beginning of the AquaFish CRSP, a total of 187 long-term students have been supported: 96 men and 93 women, for an almost 50:50 balance. Of the 169 students supported during fiscal year 2009, 75 are seeking BS degrees (54.7% men: 45.3% women), 73 are seeking MS degrees (50.7% men: 49.3% women), 18 are PhD students (55.6% men: 44.4% women), and 3 are seeking other degrees (66.7% men: 33.3% women) (Figure 2).

The majority of AquaFish CRSP undergraduate students (97%) are trained in their home countries. Similarly, most Masters level students (92%) are also trained in their own countries. In contrast, most AquaFish CRSP PhD students are educated in the US with only 45% trained in their home countries.

Gender Integration
Ensuring equitable access to training resources is a high priority in all aspects of AquaFish CRSP capacity building activities. Thus, a target of 50% is set for participation by women. The goal is to create equal opportunities for men and women to participate in and benefit from the program’s research, training, educational, or other activities.

Short-Term Training
Short-term training is under six months in duration and typically takes the form of seminars, workshops, short-courses, and internships. Workshops focus on training Host Country, extension specialists, fisheries officers, local fish farmers, processors, vendors, small business owners, and NGOs.

During FY09, 45 short-term AquaFish CRSP training sessions for 1,243 trainees were run under the Program’s 7 projects (6 core projects and 1 associate award project). Of these 45 short-term training sessions, 12 were held in the Asian region, 18 were held in Latin America and the Caribbean (17 in Mexico and 1 in Nicaragua), and 15 were held in Africa (Figure 3).

Sustainable Alternatives for Shrimp Farmers in Indonesia and the Philippines
• Shrimp monoculture in Indonesia and the Philippines has led to a decline in mangroves, degradation of water quality, diseases in shrimp, and low prices due to over-production.
• To deal with these issues, workshops have been designed to help farmers move away from shrimp monoculture by incorporating seaweed culture into tilapia-shrimp polyculture and educating them in production and management practices that will improve productivity and control diseases.