

Southeast Asian Fisheries Development Center

Aquaculture Department

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Aquaculture Department, Southeast Asian Fisheries Development Center

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TECHNOLOGY DISSEMINATION

Science-based technologies of AQD have been made available to aquaculture stakeholders through a number of programs.

The **AQD Training Program** offers short-term courses year-round on commodity-based production technologies and community-based fisheries management courses. These courses may be availed of in-house, on-site or on-line. **On-the-job training courses** accept individuals to work with experts and technicians in AQD facilities. **Internship programs** are skill-enhancing activities for undergraduate and high school students from local and foreign schools.

The **Institutional Capacity Development for Sustainable Aquaculture (ICD-SA)** intends to transfer appropriate technologies and fishery resources management strategies to local government units, people's cooperatives, nongovernment agencies and other stakeholders. It starts with a season-long training for target beneficiaries and the putting up of a techno-demonstration farm.



The **ABOT (agree-build-operate-transfer) AquaNegosyo** presents aquaculture business packages for entrepreneurs. These business packages include provision of technical assistance from project inception, site assessment and facility construction to several production runs. Among others, hatchery, nursery and grow-out of abalone, mudcrab, marine fishes (grouper, milkfish, snapper, sea bass), native catfish, tilapia, bighead carp, freshwater prawn, and tiger shrimp are attracting aquaculturists and investors.



AQD also seeks interested private sector partners to field-test new technologies such as hatchery and grow-out culture, and new feed formulations for fishes, mollusks, and crustaceans.



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SEAFDEC

The **Southeast Asian Fisheries Development Center** (SEAFDEC) is an autonomous intergovernmental body established as a regional treaty organization on 28 December 1967. SEAFDEC is mandated to promote sustainable fisheries development in Southeast Asia through research, training, information dissemination activities, and fisheries policy recommendations.

SEAFDEC is comprised of eleven member countries: Brunei Darussalam, Cambodia, Indonesia, Japan, Lao PDR, Malaysia, Myanmar, the Philippines, Singapore, Thailand, and Vietnam.



The SEAFDEC secretariat in Bangkok, Thailand

SEAFDEC has a Secretariat in Thailand and four technical Departments:



Aquaculture Department (AQD) in Tigbauan, Iloilo, Philippines (1973) for aquaculture research and development



Training Department (TD) in Samut Prakan, Thailand (1967) for training in marine capture fisheries



Marine Fisheries Research Department (MFRD) in Singapore (1967) for post-harvest technologies



Marine Fishery Resources Development and Management Department (MFRDMD) in Kuala Terengganu, Malaysia (1992) for the development and management of fishery resources in the exclusive economic zones of member countries

THE AQUACULTURE DEPARTMENT

Established in 1973, The SEAFDEC **Aquaculture Department** (AQD) is committed to sustainable development and the responsible stewardship of aquaculture resources through research and the promotion of appropriate aquaculture technologies and information relevant to Southeast Asia.



VISION

A global leader in the generation and transfer of appropriate and sustainable tropical aquaculture technologies for food security and holistic human development.

MISSION

To provide dynamic and competent leadership in the generation and promotion of science-based responsible technologies in order to strengthen stakeholder capacities in aquaculture and aquatic resources management.

AQD PROGRAMS

AQD continues to carry out research, technology generation, training and information dissemination on a wide range of aquaculture disciplines, including management of broodstock and seed quality improvement, promotion of responsible and environment-friendly aquaculture, disease diagnosis and control, and aquaculture for stock enhancement of threatened species.

Aquaculture commodities covered by AQD include milkfish, groupers, seabass, snappers, siganids, bighead carp, catfish, tilapia, tiger shrimp, freshwater prawn, mudcrab, abalone, and seaweeds.

AQD also promotes good aquaculture practices and effective management of aquatic resources to support rural development and alleviate poverty.

DEPARTMENTAL PROGRAMS

- Integrated mollusk
- Mudcrab and shrimp domestication
- Marine fish
- Smallholder freshwater aquaculture
- Seaweed strain improvement
- Aquatic ecology

REGIONAL PROGRAMS

- Promotion of sustainable aquaculture in the ASEAN region
- Disease surveillance system for aquatic animals
- R&D on stock enhancement of threatened species of international concern



The AQD Stations

From left to right: Tigbauan Main Station, Dumangas Brackishwater Station, Igang Marine Station, Binangonan Freshwater Station

