

# Institutional Capacity Development for Sustainable Aquaculture: Its Role in Integrated Coastal Zone Management

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The rapid development and dispersal of aquaculture technologies in Southeast Asia in the 1960s-1990s were both a boon and a bane to the Southeast Asian region. As the economic engines of some countries – Thailand, Indonesia, Vietnam, and the Philippines – got bolstered by tremendous earnings from exports of cultured shrimp and fish to developed countries, environmental problems and social inequities seethed in the coastal and riparian areas. Aquaculture research and development should be anchored in the larger context of an integrated coastal zone management that will address issues on resource management, environmental protection, technological and economical viability, and social equity. Science-based technologies provide the aquaculture industry with knowledge and information in promoting responsible aquaculture practices. The SEAFDEC Aquaculture Department (SEAFDEC/AQD) is collaborating with various partners and stakeholders in the Asian region i.e. fishing coastal resource users and managers, academe, government agencies, non-governmental organizations, people's organizations, in the technology generation, transfer and adoption of sustainable aquaculture technologies such as seed production, grow-out culture, feed development, fish health management, aquatic ecology, and socioeconomics. Issues in the introduction, implementation and adoption of new aquaculture technologies and the implications in integrated coastal zone management will be discussed.



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