

Controlling giant grouper maturation, spawning and juvenile production in Vietnam, the Philippines and Australia



Key details

Location

Philippines, Vietnam

Duration

Start Jun 2012

End May 2013

Budget

AUD 146,000

Commissioned organisation

University of the Sunshine Coast

Partners

Queensland Dept of Agriculture & Fisheries;
Research Institute for Aquaculture; Southeast
Asian Fisheries Development Centre

Project Leader

Abigail Elizur - University of the Sunshine Coast

Program

Fisheries

Project code

FIS/2012/037

ACIAR developed a large, 4-year project to address various aspects of giant grouper aquaculture. This activity enabled partners in the Philippines and Vietnam to secure funds to acquire giant grouper broodstock for the 4-year project, to test the genetic basis of existing broodstock in RIA1 (Vietnam) and to carry out a trial hormone induction of giant grouper to induce spawning. In addition, project partners visited giant grouper operations in Taiwan to examine the logistics of their operation.



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Overview

Groupers form the basis of the live reef food-fish trade in the South-East Asian region, and already the industry has a well established capacity for tiger grouper (*Epinephelus fuscogutattus*) aquaculture. Giant grouper (*E. lanceolatus*), another mid-tier value grouper but with a faster growth rate, has great aquaculture potential but few regional facilities have achieved production of juveniles.