

# 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.