

## PHILMINAQ - Mitigating impact from aquaculture in the Philippines

Akvaplan-niva is the coordinator of an EU funded INCO project in the Philippines to build capacity within the Government and University research departments to mitigate the impact of aquaculture. Akvaplan-niva is partners with the Bureau of Fisheries and Aquatic Resources, Marine Science Institute of the University of the Philippines and the Scottish Association of Marine Science.

### Capacity Building

The project is building capacity within the Central and Local Government departments involved with the planning, management and control of aquaculture development. The project also developed predictive models, cost effective monitoring equipment and methodology.

### GIS database

A GIS based aquaculture database is being developed for aquaculture to facilitate the identification of underused and overused aquatic resources and planning and zoning of aquaculture development.

### Guidelines for Local Government

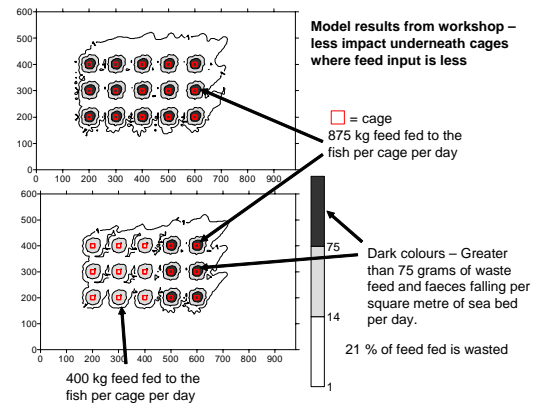
A set of best practice guidelines were prepared for the Local Government Units (LGU) outlining the laws and regulations for aquaculture, the agencies responsible for planning, management, monitoring and control of aquaculture.

### Interagency cooperation

The project facilitated interagency cooperation for the management of aquaculture between the 3 main government agencies. A draft Joint Administrative order was prepared covering their scope, jurisdiction and responsibilities.

### Predictive modelling

Three models were developed during the project. A hydrodynamic model for assessing current flushing and residence time, a depositional model "Tropomod" for predicting deposition of nutrients under the cages and a box model for estimating carrying capacity.



### Monitoring impact

Three levels of monitoring survey were developed ranging from a full scientific baseline survey to survey undertaken by a farmer or LGU. Cost effective monitoring equipment was developed and Government staff, researchers and stakeholders trained in collecting and analysing the data.



### Akvaplan-niva competence

Akvaplan-niva undertook the following;

- Project coordination and management
- Development of 3 levels of impact monitoring
- Development of a revised code of conduct
- Development of revised water quality criteria