

Developing social and economic monitoring and evaluation systems in Indonesian tuna fisheries to assess potential impacts of alternative management measures on vulnerable communities



Key details

Location

Indonesia

Duration

Start Dec 2020

End Dec 2023

Budget

AUD 249,788

Commissioned organisation

University of Technology Sydney

Partners

University of Technology Sydney

Project Leader

Prof Kate Barclay

Program

Fisheries

Project code

FIS/2020/109



Overview

This project aimed to assist the Indonesian government (MMAF) and stakeholders in building the basis for

system-wide monitoring and evaluation of alternative management measures in terms of their impacts on vulnerable, tuna-dependent communities.

Tuna fisheries in Indonesia are extensive and multi-sectoral, ranging from small-scale to industrial vessels, with high levels of dependency on these fisheries for livelihoods and food among low income groups. Considerable social, economic and biological risks are associated with implementing management measures that are not tested in a modelling setting first. In particular, linkages and interdependencies between multiple sectors make trade-offs complex in Indonesian tuna fisheries, and raise the prospect of unintended consequences, including the possibility of substantial impacts on poor and food insecure groups.

To enable assessment of the social and economic performance of alternative management measures in terms of their impacts on vulnerable communities, this project a) synthesised existing knowledge and identified appropriate methods, for characterising interdependencies and determining fisheries dependency in Indonesian tuna fisheries, b) reviewed national and provincial scale data sources to assess their value for system-wide social and economic monitoring and evaluation in the future and c) produced a draft conceptual framework to identify potential impacts of alternative management measures on vulnerable, tuna fishing dependent communities.

Outcomes

- Synthesised existing knowledge and identifying appropriate methods about determining fisheries dependency in Indonesian tuna fisheries.
- Reviewed national and provincial scale data sources to assess their value for system-wide social and economic monitoring and evaluation.
- Produced a draft conceptual framework to identify potential impacts of alternative management measures on vulnerable, tuna fishing-dependent communities.
- Coordinated activities with MMAF staff and others working on the Management Strategy Evaluation as part of the tuna harvest strategy development process, to ensure the data assessments and framework development undertaken are suitable for potential use in the MSE.



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