

# Towards sustainable lake management in Indonesia



## Key details

### Location

Indonesia

### Duration

Start Feb 2025

End Jun 2026

### Budget

AUD 500,000

### Commissioned organisation

Commonwealth Scientific and Industrial  
Research Organisation (CSIRO)

### Project Leadership

Dr James Langston

### ACIAR Research Program Manager

Dr Neil Lazarow

### Program

Water

### Project code

WAC/2024/119

the hydrological cycle and provide an important function to mitigate the impacts of climate change. However, population and economic growth have taken place in a loosely regulated system and deforestation and erosion in upper catchments has reduced water quality.

The project seeks to identify governance opportunities and constraints for improved stewardship, with a focus on collaboration and commitment among stakeholders. It will bridge the gap between the scientific knowledge and practical solutions required to improve lake management, and support local communities to adapt to environmental pressures and climate change.

The ultimate goal is to enhance ecological, social and economic wellbeing of local communities through improved lake management.

The project has four major output areas: review and assess existing lake information systems, identifying objectives that best serve Indonesia; high-level assessment of selected priority lakes; evaluation of lake and catchment governance; and identification of a partner-led investment pathway for a future lakes management investment.

## Research need

**This small research activity aims to build a strong foundation for future research and development in improving lakes management in Indonesia.**

The management of lakes was identified as a priority in a Memorandum of Understanding established between Indonesia and Australia at a workshop on sustainable lake management, held in 2022.

Indonesia has more than 1500 lakes, which contain 72% of freshwater storages. Lakes play a vital role in

