Queensland

James Cook University

FT0990835 Dr GR Almany

Approved Project Title **Enhancing coral reef resilience to climate change**

2009 :	$ 85,800
2010 :	$ 171,600
2011 :	$ 171,600
2012 :	$ 171,600
2013 :	$ 85,800

Primary RFCD 2707 ECOLOGY AND EVOLUTION

Administering Organisation James Cook University

Project Summary

Coral reefs provide enormous economic, cultural and environmental benefits to Australia and its near neighbours. For reefs to remain healthy in the face of climate change and other stresses, they must be managed using best practices. Measuring how reef populations are connected and developing new tools to translate this knowledge into improved management can enhance fisheries, ensure reef health, and protect the livelihoods that reefs sustain. This research with partners from Europe, the United States of America, Papua New Guinea and Indonesia places Australia at the forefront of addressing the impacts of climate change and enhances its international reputation as the world leader in coral reef science and management.

FT0990652 Dr AH Baird

Approved Project Title **Testing the adaptive capacity of reef corals to rising sea surface temperatures**

2009 :	$ 85,800
2010 :	$ 171,600
2011 :	$ 171,600
2012 :	$ 171,600
2013 :	$ 85,800

Primary RFCD 2707 ECOLOGY AND EVOLUTION

Administering Organisation James Cook University

Project Summary

Australia's reefs are highly profitable resources. Tourism on the Great Barrier Reef contributes over $6 billion annually to the nation's economy and employs over 65,000 people. This proposal will produce world class research to quantify the extent to which corals can respond to climate change; a question central to managing these important resources. The research will also consolidate Australia's position as the leading nation in coral reef studies. Priority Goals addressed include Responding to Climate Change and Sustainable use of Australia Biodiversity.