Summary of Successful Linkage - Projects Proposals for Funding to Commence in 2010 by State and Organisation

Queensland

James Cook University

LP100200561 Prof Geoffrey P Jones, Dr David H Williamson, Dr Jeffrey M Leis, Prof Garry R Russ, Dr Lynne van Herwerden, Dr Glenn R Almany, Dr David R Wachenfeld, Dr Laurence J McCook

Approved Project Title **Do marine reserve networks work? Larval connectivity, sustainable harvesting and ecological resilience**

2010	$62,500.00
2011	$117,500.00
2012	$107,500.00
2013	$52,500.00
2014	
2015	

Primary FoR 0704 FISHERIES SCIENCES

Partner/Collaborating Organisation(s)

Great Barrier Reef Marine Park Authority

Administering Organisation James Cook University

Project Summary

The Great Barrier Reef is a globally iconic marine ecosystem and benefits from the world's largest network of no-take reserves. While we know reserves contain more and bigger fish, several key questions about how reserves contribute to sustainable harvesting, protecting biodiversity and resisting climate change remain unanswered. Answers depend on a new understanding of the degree to which fish population on different reefs are connected, and whether or not reserve networks help sustain these linkages. This project will use new technologies to measure the transport of fish larvae between reefs, to assess strengths and weaknesses of the reserve network, and examine ways to improve species protection and sustainable harvesting in a changing climate.

LP100200327 A/Prof Lin Schwarzkopf, Prof Ross A Alford, Prof Dr Linton D Staples

Approved Project Title **Who's calling? Understanding and exploiting signalling system ecology to improve success in trapping cane toads**

2010	$16,957.50
2011	$31,392.00
2012	$28,869.00
2013	$14,434.50
2014	
2015	

Primary FoR 0501 ECOLOGICAL APPLICATIONS

APAI 1

Partner/Collaborating Organisation(s)

Animal Control Technologies (Australia) Pty Ltd

Administering Organisation James Cook University

Project Summary

This project has five major national and community benefits for Australia. It will: 1. provide a much-needed control option for a major pest, 2. actually remove many toads during the course of the study, through trapping at various locations around Australia, 3. support an Australian small business by providing research outcomes that will enable it to develop and market a highly desired product, and 4. provide high level, postgraduate training in science. This project directly addresses the National Research Priority goal safeguarding Australia, protecting Australia from invasive … pests, because it will generate new technologies useful for controlling an invasive species.