

Summary of Linkage Projects Applications for Funding to Commence in 2006

Northern Territory

Charles Darwin University

LP0667619 Prof DM Bowman; Dr BW Brook; Dr CJ Bradshaw; Prof BJ Currie; Mr PI Whelan; Dr GG Morgan; Mr SJ Cleland; Mr N Anstey; Dr G Boggs

Approved Project Title **Modelling and control of mosquito-borne diseases in Darwin using long-term monitoring**

Project Title

2006 : \$204,530

2007 : \$210,182

2008 : \$223,539

Primary RFCD 3008 ENVIRONMENTAL SCIENCES

Partner Organisation(s)

Department of Health and Community Services

Bureau of Meteorology

Department of the Chief Minister

Department of Infrastructure, Planning and Environment

Dept of Defence, Corporate Services and Infrastructure Northern Territory / Kimberley

Administering Institution Charles Darwin University

Project Summary

Management of mosquito populations is a high public health priority because these insects can spread diseases such as malaria, dengue, Ross River virus, Barmah Forest virus, Murray Valley encephalitis, Japanese encephalitis and Kunjin/West Nile virus. Our research into the effectiveness of mosquito control programs in Darwin is of immediate national relevance and priority given the need to Safeguard Australia from invasive diseases. There is an urgency to undertake our research because global environmental change and increasing movements of people (particularly military personnel) from overseas regions where these diseases are endemic is increasing the vulnerability of northern Australia to the (re)establishment of mosquito borne diseases.

LP0667702 Dr CJ Bradshaw; Dr MG Meekan

Approved Project Title **Estimating fishing-related mortality and designing sustainable management protocols for shark fisheries in Northern Australia**

Project Title **fisheries in Northern Australia**

2006 : \$80,000

2007 : \$74,000

2008 : \$67,000

Primary RFCD 3007 FISHERIES SCIENCES

Partner Organisation(s)

Fisheries Group

Northern Territory Seafood Council

Administering Institution Charles Darwin University

Project Summary

Sharks are extremely valuable economically, with the landed catch in the NT alone exceeding \$10 million in 2004. The increasing world demand for high-quality protein will necessitate appropriate management so that over-exploitation does not occur as it has in most other shark fisheries worldwide. The proposed project will provide key information that will direct careful and informed management decisions well into the future. The added benefit of collecting information on the rarer and more susceptible non-target species caught in this fishery will ensure that any negative impacts are reduced. The project will also provide information on the potential impact of illegal fishing by neighbouring countries to our north.

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LP0667445 Prof IM Buchanan; Dr SH Luckman; Dr CR Gibson

Approved Project Title **Creative Tropical City: Mapping Darwin's Creative Industries**

2006 : \$85,000

2007 : \$72,000

2008 : \$72,000

Primary RFCD 4203 CULTURAL STUDIES

Partner Organisation(s)

NT Tourist Commission
Darwin City Council
Department of Chief Minister

Administering Institution Charles Darwin University

Project Summary

This research will improve our knowledge and understanding of the creative industries in Darwin. It will provide a strong evidence base for the development of policy options for growing the creative industries in Darwin. And it will interrogate national and international creative industry policy frameworks for their applicability to Darwin.

LP0668122 Prof ST Garnett; Dr S Legge; Dr JC Woinarski; A/Prof LB Astheimer; Mr SA Murphy; Ms C Palmer

Approved Project Title **Conservation management of seed-eating birds in the tropical savannas**

2006 : \$96,000

2007 : \$87,875

2008 : \$73,000

Primary RFCD 2707 ECOLOGY AND EVOLUTION

APA(I) Award(s): 2

Partner Organisation(s)

Northern Territory Research and Innovation Board
Australian Wildlife Conservancy
Department of Infrastructure, Planning and Environment
Birds Australia

Administering Institution Charles Darwin University

Project Summary

Biodiversity loss in the savannas indicates unsustainable management. This research will enhance our abilities to effectively manage Australia's tropical savannas, as well as contributing to several State and Territory, Commonwealth and international obligations to maintain biodiversity. Understanding the processes underlying current declines will also make the effects of future management or environment changes easier to predict. Retaining threatened species can benefit remote and regional communities through tourism, and also through the extra employment required to implement the management prescriptions that will be developed from this research.

LP0668218 Dr G Robinson; Dr WJ Gunthorpe; Prof S Silburn; Prof SR Zubrick; A/Prof I Abu-Duhou; A/Prof B Gray; Dr TE Quong

Approved Project Title **Let's Start Indigenous Preschool Evaluation Project: Links between behaviour and outcomes**

2006 : \$70,000

2007 : \$60,000

2008 : \$70,000

Primary RFCD 3301 EDUCATION STUDIES

APA(I) Award(s): 1

Partner Organisation(s)

Northern Territory Department of Employment, Education and Training

Administering Institution Charles Darwin University

Project Summary

Indigenous education and social outcomes lag far behind those of other Australians. The situation can be considered a social emergency. This research will provide evidence of the benefits of investment in preventive strategies to respond to difficulties faced by Aboriginal preschool children who struggle to negotiate the transition through preschool into early primary school. It provides immediate assistance to families and children in difficulty and direct support to the education industry by developing a program of supportive interventions to assist schools. It will provide national benefits by contributing to evidence on determinants of indigenous child development and school outcomes.