

# Summary of Linkage Projects Proposals for Funding to Commence in 2007

## Queensland

### Griffith University

**LP0774866** A/Prof CP Catterall; Dr RL Pressey

**Approved Project Title** **Forecasting and managing biodiversity change: birds in an urbanising landscape**

**2007 :** \$ 52,136

**2008 :** \$ 65,796

**2009 :** \$ 60,254

**Primary RFCD** 2707 ECOLOGY AND EVOLUTION

#### Collaborating/Partner Organisation(s)

Brisbane City Council

Logan City Council

SEQ Catchments

**Administering Organisation** Griffith University

#### Project Summary

The project will help to predict changes in biodiversity from different development options, and will identify forms of urban design that provide improved biodiversity outcomes. The case study region (SE Queensland) is a national "biodiversity hotspot" due to high biodiversity combined with high threat from urbanisation. Findings will also be relevant to the ecological sustainability of forest ecosystems and urban areas throughout Australia. The project will develop decision-support tools for conservation planning, with the involvement of research partners from local government and regional environmental management. This will contribute to the sustainable use of Australia's biodiversity, a national research priority.

**LP0775236** Prof B Gleeson; Prof AL Brown; Dr NG Sipe; Dr J Dodson

**Approved Project Title** **Urban Accessibility Re-Shaped - Transport disadvantage and urban socio-spatial change**

**2007 :** \$ 80,000

**2008 :** \$ 80,000

**Primary RFCD** 3101 ARCHITECTURE AND URBAN ENVIRONMENT

#### Collaborating/Partner Organisation(s)

Gold Coast City Council

**Administering Organisation** Griffith University

#### Project Summary

The project directly addresses 'National Research Priority 2: Promoting and Maintaining Good Health - Strengthening Australia's social and economic fabric' by assisting governments to solve problems of communities' poor access to employment and services. Good urban accessibility is crucial to achieving good economic, social and environmental outcomes from land-use and transport planning in Australian cities. The project will assist state and local government's to address unmet and often unidentified community needs. The project will be of immense national importance in providing new methodologies to assess urban access employment and services. Internationally this project will mark Australia as a producer of high quality urban research.

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**LP0775127** Prof W Moyle; Prof J Cheek; A/Prof MM McAllister; Dr LV Venturato; Mr CG Francis

**Approved Project Title** **Enhancing moral care and quality of life in people with dementia**

**2007 :** \$ 62,000

**2008 :** \$ 55,000

**2009 :** \$ 66,000

**Primary RFCD** 3211 NURSING

### **Collaborating/Partner Organisation(s)**

Lifecare Services Australia PTY Ltd

**Administering Organisation** Griffith University

### **Project Summary**

This research explores largely unknown quality of life experiences of persons living with dementia in residential aged care, and therefore factors that may promote well being, longevity, meaning, family and social coherence. The research will result in new knowledge for a model of care that is truly person-centred and will inform health, ageing and education policy, as well as an enlarged and clearer role function for caregivers. The solution focused model of dementia care is likely to also have positive effects on staff satisfaction and result in improved recruitment and retention.

**LP0775221** A/Prof H Schippers; Dr P Dunbar-Hall; Dr RA Letts

**Approved Project Title** **Sound Links: Exploring the dynamics of musical communities in Australia, and their potential for informing collaboration with music in schools**

**2007 :** \$ 91,503

**2008 :** \$ 75,691

**Primary RFCD** 4101 PERFORMING ARTS

### **Collaborating/Partner Organisation(s)**

Music Council of Australia

Australian Music Association

Australian Society for Music Education

**Administering Organisation** Griffith University

### **Project Summary**

While considerable research has been devoted to formal school music programs and their curricula, including the recent National Review of School Music Education (DEST, 2005), little is known about Australia's more informal community contexts and the mechanisms and success factors underlying their approaches to teaching and learning music. Both the National Review and the Australia Council for the Arts have recognised this imbalance, and plead for a more integrated approach to formal, school-based arts education and activities outside of schools. This project will deliver the insights to realise such an approach.

**LP0775348** Dr RA Stewart; Prof Dr SB White

**Approved Project Title** **Impact of urban water conservation strategies on end-use water consumption in residential households**

**2007 :** \$ 80,000

**2008 :** \$ 80,000

**2009 :** \$ 80,000

**Primary RFCD** 2911 ENVIRONMENTAL ENGINEERING

APA(I) Award(s): 2

### **Collaborating/Partner Organisation(s)**

Wide Bay Water

Queensland Water Directorate

Gold Coast City Council

**Administering Organisation** Griffith University

### **Project Summary**

This research project will deliver the following social or economic benefits for Australia: (1) save over twenty per cent of household water consumption; (2) deferment of the construction of environmentally adverse water infrastructure facilities such as desalination plants, dams and water treatment plants; (3) water security will improve due to lower water consumption rates allowing governments to better plan new water resource options; and (4) through the implementation of more efficient water fixtures/appliances, households will not only save money due to lower water bills, but they will also be contributing lower greenhouse gases to the atmosphere by reducing the amount of energy required to produce and treat potable water.

## Summary of Linkage Projects Proposals for Funding to Commence in 2007

**LP0775312** Dr N Subramaniam; Prof AD Shulman; Prof JD Stewart; Prof AC Ng

**Approved Project Title** **Strengthening Corporate Governance Behaviour in the Public Sector: Evaluating the Benefits of a Knowledge Systems Approach**

**2007 :** \$ 40,000

**2008 :** \$ 56,000

**2009 :** \$ 45,000

**Primary RFCD** 3502 BUSINESS AND MANAGEMENT

APA(I) Award(s): 1

### **Collaborating/Partner Organisation(s)**

Department of Main Roads  
Roads and Traffic Authority (NSW)

**Administering Organisation** Griffith University

### **Project Summary**

There is considerable pressure on government agencies to improve corporate governance and become more accountable. But there is a lack of systematic data and analyses on the efficacy of the range of governance structures and arrangements in practice. In addressing this void, this study is of national significance. Building upon knowledge management and group behaviour processes, the research will lead to the development and testing of best practice models and guidelines for corporate governance management in the public sector

**LP0775226** Asst Prof H Zhao; Dr S Zhang

**Approved Project Title** **Development of a Novel Photoelectrochemical Method for Ultra-sensitive and Selective Determination of Organic Pollutants**

**2007 :** \$ 60,000

**2008 :** \$ 40,000

**2009 :** \$ 30,000

**Primary RFCD** 2504 ANALYTICAL CHEMISTRY

### **Collaborating/Partner Organisation(s)**

Aqua Diagnostic Pty Ltd

**Administering Organisation** Griffith University

### **Project Summary**

Rapidly deteriorating environmental conditions have caused worldwide fresh water shortage problems. For Australia, this is an urgent issue due to our limited fresh water resources. Globally, all levels of governments and legislative authorities have attempted to adopt stricter environmental legislation and better water resource management practice to address these urgent problems. However, these priorities cannot be achieved until large scale and accurate environmental data are available. The success of the project would result in a new environmental monitoring system capable of online, real-time monitoring of environmental water quality, which will directly benefit water resource management practice in Australia.