

Summary of Linkage Projects Proposals for Funding to Commence in 2009

Victoria

Victoria University

LP0989554 Prof SR Gray; Prof JD Orbell; Mr BJ Adams; Dr MR Mergen

Approved Project Title Lowering membrane fouling by matching pre-treatment to membrane type.

2009 : \$ 26,140

2010 : \$ 26,140

2011 : \$ 26,140

Primary RFCD 2906 CHEMICAL ENGINEERING

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Orica Ltd

Administering Organisation Victoria University

Project Summary

Delivery of potable and recycled water to communities and industry increasingly uses membrane treatment to ensure high standards of water quality, particularly as water scarcity leads to the use of poor quality water sources. Fouling of membranes occurs as water is treated, adding expense and complexity to the process. Reducing fouling will lower the cost of water treatment and improve the economics of treating water in smaller systems at source. This will enable greater reliability of localised treatment, which will reduce pumping requirements and decrease both cost and carbon emissions.

LP0989407 Prof JD Orbell; Prof SW Bigger; Dr LN Ngeh; Mr PM Dann

Approved Project Title The rational development of improved pre-conditioning agents for the removal of oil contamination from wildlife and rocky foreshore

2009 : \$ 26,140

2010 : \$ 26,140

2011 : \$ 26,140

Primary RFCD 2501 PHYSICAL CHEMISTRY (INCL. STRUCTURAL)

APA(I) Award(s): 1

Collaborating/Partner Organisation(s)

Phillip Island Nature Park

Administering Organisation Victoria University

Project Summary

Wildlife and ecological resources such as Phillip Island's Little Penguin colony (with 500,000 visitors p.a.) and its environment are at the heart of Australia's ecotourism industry. If properly managed, such resources make significant contributions to the economy and can provide diverse employment opportunities for local communities. They also increase awareness of, and sensitivity to, environmental issues in general. Developing and implementing new and improved techniques for the rescue and rehabilitation of oiled wildlife and for the remediation of contaminated foreshore, apart from its inherent value, will contribute to the sustainability of such resources both at the national and international level.

Summary of Linkage Projects Proposals for Funding to Commence in 2009

LP0989339 Prof J Tran Van Hoa; Prof PJ Sheehan; Dr N Van Lich

Approved Project Title **China's Exports and Growth and Major East Asia Summit Economies - Exploring Regional Impact and Policy Responses**

2009 : \$ 100,000

2010 : \$ 100,000

2011 : \$ 100,000

Primary RFCD 3402 APPLIED ECONOMICS

Collaborating/Partner Organisation(s)

Ministry of Trade

TradeData International Pty Ltd

Administering Organisation Victoria University

Project Summary

The project benefits Australia's current long-term economic priorities and engagement with Asia in five ways. It provides: (1) collaborative research with East Asia Summit (EAS) networked experts on topics of mutual interest, (2) a new perspective on the effects of China on EAS4 trade and growth, (3) substantive improved findings on EAS4 economic and trade policy options, (4) significant inputs to analysis, debates and negotiations in the recently proposed EAS free trade agreement (FTA), and (5) useful applications to Australia's similar bilateral FTAs under negotiation (e.g., Australia-Korea and Japan FTAs).