

## South Australia

### The Flinders University of South Australia

**LP0990196** A/Prof RH Bentham; A/Prof KL Soole

**Approved Project Title** **Investigation of Australian crop species for the rhizoremediation of residual sulfonyl urea herbicide contaminations in agricultural soils.**

**2009 :** \$ 13,070

**2010 :** \$ 26,140

**2011 :** \$ 26,140

**2012 :** \$ 13,070

**Primary RfCD** 2911 ENVIRONMENTAL ENGINEERING

APA(I) Award(s): 1

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

Injekta Pty Ltd

**Administering Organisation** The Flinders University of South Australia

#### **Project Summary**

This research aims to identify an environmentally sustainable and economically viable solution to the problem of residual herbicide contaminations in agricultural soils. The strategy is focused on stimulation of microbial degradation of pesticides in the root zone of crop species (Lupins). Such a strategy will improve crop yields and reduce soil contaminations and environmental impacts at minimal cost.

**LP0991147** Dr S Kleindorfer

**Approved Project Title** **Climate change and phenotypic divergence at a landscape scale**

**2009 :** \$ 15,000

**2010 :** \$ 33,000

**2011 :** \$ 40,000

**2012 :** \$ 22,000

**Primary RfCD** 2707 ECOLOGY AND EVOLUTION

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

Department for Environment and Heritage

South Australian Museum

Max Planck Institute for Ornithology

**Administering Organisation** The Flinders University of South Australia

#### **Project Summary**

Birds provide key ecosystem functions like pollination, insect control, and seed dispersal in Australia. Climate change is well documented and has a pronounced effect on birds, commonly leading to range shifts. This study will quantify patterns of gene flow at a landscape scale in declining and common birds in Australia and abroad. The project builds on strong international links to the Galapagos Islands as well as a regional focus for South Australia. The linkage organisations are committed to implementing management outcomes for native flora and fauna, which need to be underpinned with quality baseline data. The outcomes will also inform climate modelling for the State and Australia.