

New South Wales

Southern Cross University

FT0990910 Dr AM Scheffers

Approved Project Title **Unravelling Western Australia's Stormy Past - A Precisely-Dated Sediment Record of Cyclones over the past 7000 years**

2009 : \$ 85,800

2010 : \$ 171,600

2011 : \$ 171,600

2012 : \$ 171,600

2013 : \$ 85,800

Primary RFCD 2601 GEOLOGY

Administering Organisation Southern Cross University

Project Summary

Australia has a vast coastline, much of which is vulnerable to cyclone impact. Clearly, historical human experience does not comprehend what the climate system is capable of in terms of epic storms. Our effort to understand the storm risks of the past is complicated by the limited length of the instrumental record which reaches back only 150 years of European settlement in tropical areas of Australia. This project will reconstruct the history of storms and cyclones using sedimentary signatures in Western Australia over the past 7000 years to assess storm and cyclone risks under changing future climates in a regional context.