



Examples of new *Linkage Projects* in 2010

Northern Territory

Charles Darwin University (Contact: 08 8946 6551)

Impacts of deforestation and afforestation on greenhouse gas emissions, and carbon and water resources in the Daly River catchment, north Australia (LP100100073)

Summary: Over the last decade, northern Australia has been viewed as a potentially exploitable resource, given issues of salinity, soil acidity, over-allocation of water resources and rainfall declines in Southern Australian agricultural regions. Improved pastures and plantation forestries are two land uses that may expand in the Northern Territory. Clearing of savanna vegetation would be required, with implications for greenhouse gas emissions, soil health, water resources and dry season environmental flows. This project will track greenhouse emissions and water use from uncleared and cleared savanna that has been converted to pasture and timber plantations, providing critical understanding of the environmental implication of such land use change in savanna.

Chief Investigator: Dr Lindsay Hutley

ARC funding: \$308,000 over 3 years