

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

## Northern Territory

### Charles Darwin University

**LP0774812** Dr LB Hutley; Dr J Beringer; Dr SK Arndt; Dr S Livesley; Dr GD Cook; Dr K Butterbach-Bahl

**Approved Project Title** **Integrative assessment of disturbance and land-use change on total greenhouse gas balance and nutrient cycling in savanna ecosystems**

**2007 :** \$ 70,000

**2008 :** \$ 65,000

**2009 :** \$ 55,000

**Primary RFCD** 2799 OTHER BIOLOGICAL SCIENCES

#### Collaborating/Partner Organisation(s)

Environmental Protection Agency, Department of Natural Resources, Environment and The Arts  
Australian Greenhouse Office

**Administering Organisation** Charles Darwin University

#### Project Summary

Climate change and variability is expected to have an impact on the NT environment and economy. This project will enable NT specific calibrations of climate variability-land use models, such as the National Carbon Accounting System. The NT Government will have access to a high quality database and calibrated models relating to greenhouse gas emissions as a function of land use change. The project will improve estimates and management of GHG and provide a basis for the NT to potentially exploit future carbon-trading initiatives or GHG abatement schemes as fundamental data describing emissions as a function of land use will be available. This is of national significance given the size of the savanna biome in Australia.