

About the School for Environmental Research

The School for Environmental Research (SER) undertakes integrated biophysical, social and economic research with a focus on tropical and desert environments in Northern Australia and in similar climatic regions globally, with emphasis on South East Asia. SER aims to balance conservation and development outcomes, thereby enhancing human well-being through responsible natural resource management.

The School seeks to develop knowledge and provide practical governance and management solutions to an array of environmental challenges working in partnership with a range of stakeholders, including Indigenous peoples, environmental and development agencies, other schools within the University and government.

The School is currently comprised of three inter-related themes to provide focus and relevance in our region:

Wildlife and Landscape Science

Livelihoods and Policy

Aquatic Ecosystems and Water Resources

Inter-disciplinary teams of researchers work in partnership with stakeholders to solve real-world problems through the application of innovative science and adaptive action-orientated programs.

The School aims to be a 'centre without walls' to facilitate research relationships within the University. It operates under joint arrangements with other departments and schools and links with their work in areas of environmental science, governance and natural resource management.

SER Capabilities

- **Research** – focusing on integrating biophysical, social and economic research across three themes.
- **Teaching and learning** – post-graduate training at doctorate and masters levels, post-graduate coursework and specialist short courses.
- **Stakeholder access** – providing advice, knowledge and expert consultation for businesses, government, and civil society about environment and community natural resource issues.
- **Consultancy services** – in-house expertise and resources.

Contacts

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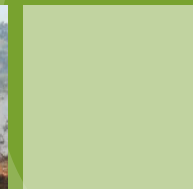


Charles Darwin
UNIVERSITY



**SCHOOL FOR
ENVIRONMENTAL
RESEARCH**

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Wildlife and Landscape Science

Aims to understand the landscape scale ecological processes that are critical to the sustainable management of biodiversity assets, and the consequences for human health.

Delivers practical and innovative solutions through state-of-the-art scientific techniques and analyses.

Works collaboratively with stakeholders, including Indigenous communities to ensure a two-way transfer of knowledge is applied in natural resource management.

Research areas:

- Landscape change
- Marine ecology
- Applied and theoretical conservation biology



Livelihoods and Policy

Aims to enhance the livelihoods of Indigenous communities while maintaining long-term environmental values.

Supports the use of Indigenous knowledge and natural products for income generation that is sustainable, economically viable and gives people the option of remaining on their land.

Provides advice that will encourage and facilitate active management of biodiversity and other natural resources in tropical and desert regions of Australia and other parts of the world.

Research areas:

- Economic and social values of natural resources
- Natural resource-based livelihoods
- Policy, government and empowerment



Aquatic Ecosystems and Water Resources

Aims to improve the management of aquatic ecosystems and water resources in desert and tropical environments across Australia and South East Asia through:

- multi-disciplinary research on integrated water resource management
- collaborative links amongst Charles Darwin University researchers and external partners and stakeholders

Research areas:

- Environmental, cultural and economic values
- Biodiversity and ecosystem processes
- Impacts of human activity and climate change
- Governance of water resources

