

Enhancing climate-adaptation responses in regional NRM planning by incorporating resilience investment

Project information



Resilient
Landscapes

National Environmental Science Program

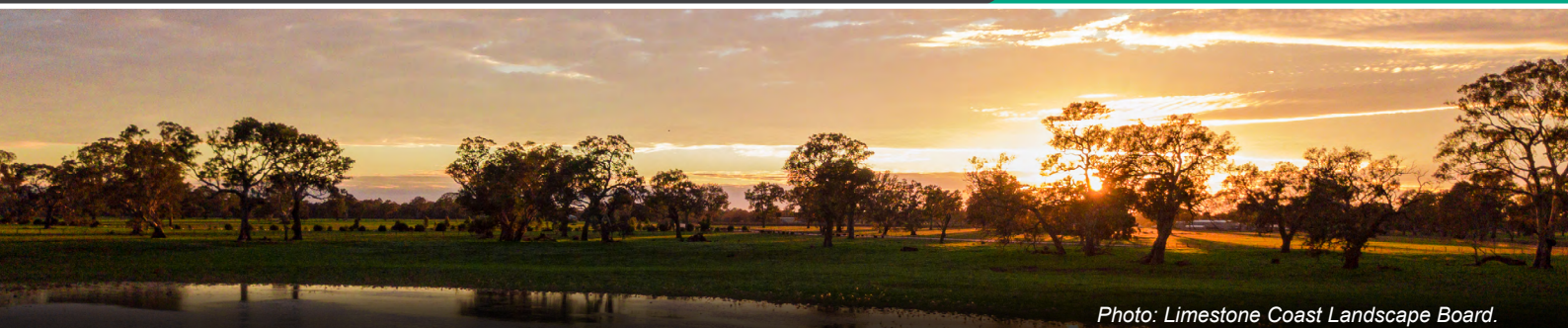


Photo: Limestone Coast Landscape Board.

This project is working to adapt and enhance NRM planning processes to ensure long-term benefits from investment. This will mean that land management strategies can be fully implemented to protect Australia's biodiversity.

NRM challenges

Natural resource management (NRM) organisations across Australia face the significant challenge of safeguarding Australia's biodiversity and landscapes against threats posed by climate change.

Australia's biodiversity can provide the resilience for nature, people and economies to cope and adapt under a changing climate. Unfortunately, there is no shared understanding of how to manage ecosystems and biodiversity under a changing climate, nor how to invest in nature.

Enhancing NRM planning

This project is enhancing regional NRM planning processes to consider and demonstrate the benefits that biodiversity provides, such as building resilience and supporting adaptation to the effects of climate change.

Using the 'enabling resilience investment' approach, we aim to understand the causes of funding deficits and explore pathways for investment in biodiversity adaptation. We are drawing upon the knowledge and capabilities from NRM organisations across Australia, and attracting investments to deliver long-term environmental, social and economic benefits under a changing climate.

Key research goals

To support Australian biodiversity through NRM planning this project is:

- adapting and enhancing the enabling resilience investment approach to improve regional NRM planning and investment processes
- broadening stakeholder engagement to explore novel financing pathways for biodiversity and support sustainable regions
- generating transferable principles and lessons that can be scaled across other NRM regions in Australia.



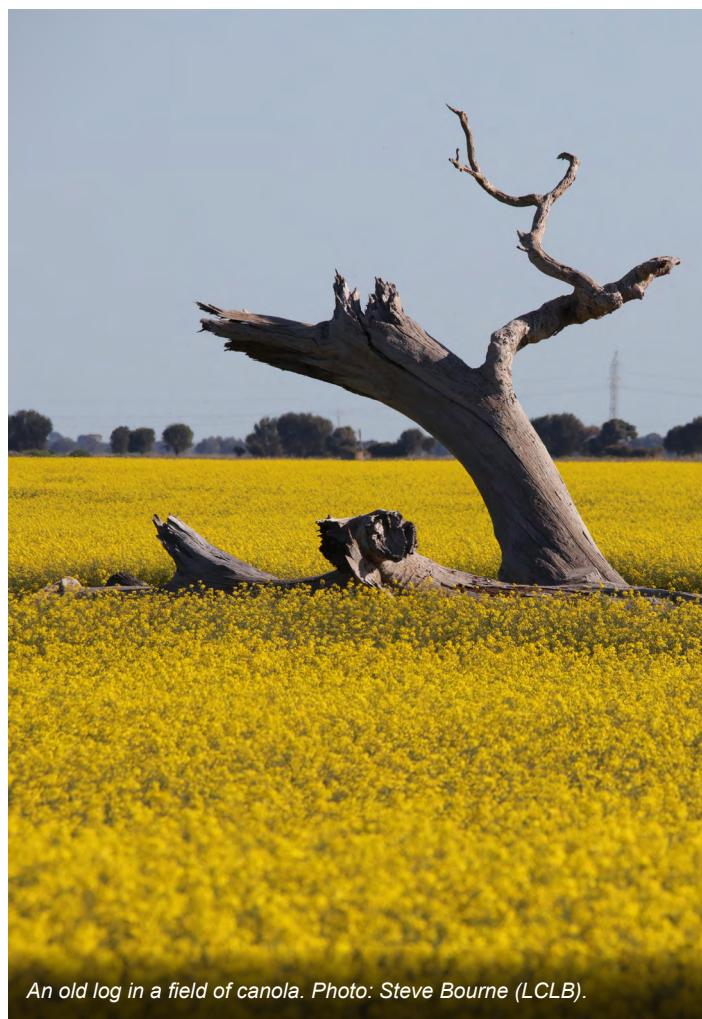
A gum tree in a field at Kalangadoo. Photo: Nick Hunt (LCLB).

What is the NESP Resilient Landscapes Hub?

The Australian Government's National Environmental Science Program (NESP) funds environment and climate research. NESP currently supports 4 multi-disciplinary research hubs, each hosted by an Australian research institution. The program:

- provides evidence for the design, delivery and on-ground outcomes for environmental programs
- helps decision-makers, including from Indigenous communities, build resilience
- supports positive environmental, social and economic outcomes.

This project is funded by the NESP Resilient Landscapes Hub, which is hosted by the University of Western Australia. The Resilient Landscapes Hub's research supports the management of Australia's terrestrial and freshwater ecosystems and makes them more resilient to extreme events and pervasive pressures.



Further information

This project is being led by Dr Russ Wise and Dr Russell Gorddard from CSIRO in partnership with the Limestone Coast Landscape Board and NRM Regions Australia.

This document and further information are available from the project website at nesplandscapes.edu.au/projects/nesp-rlh/regional-nrm-planning/

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