



Natural capital accounting for dynamic ecosystems in Australia

Fifth Policy Forum on NCA for Better Decision Making: Greening the Recovery

Becky Schmidt | 16 September 2021



What natural capital accounts have been produced?



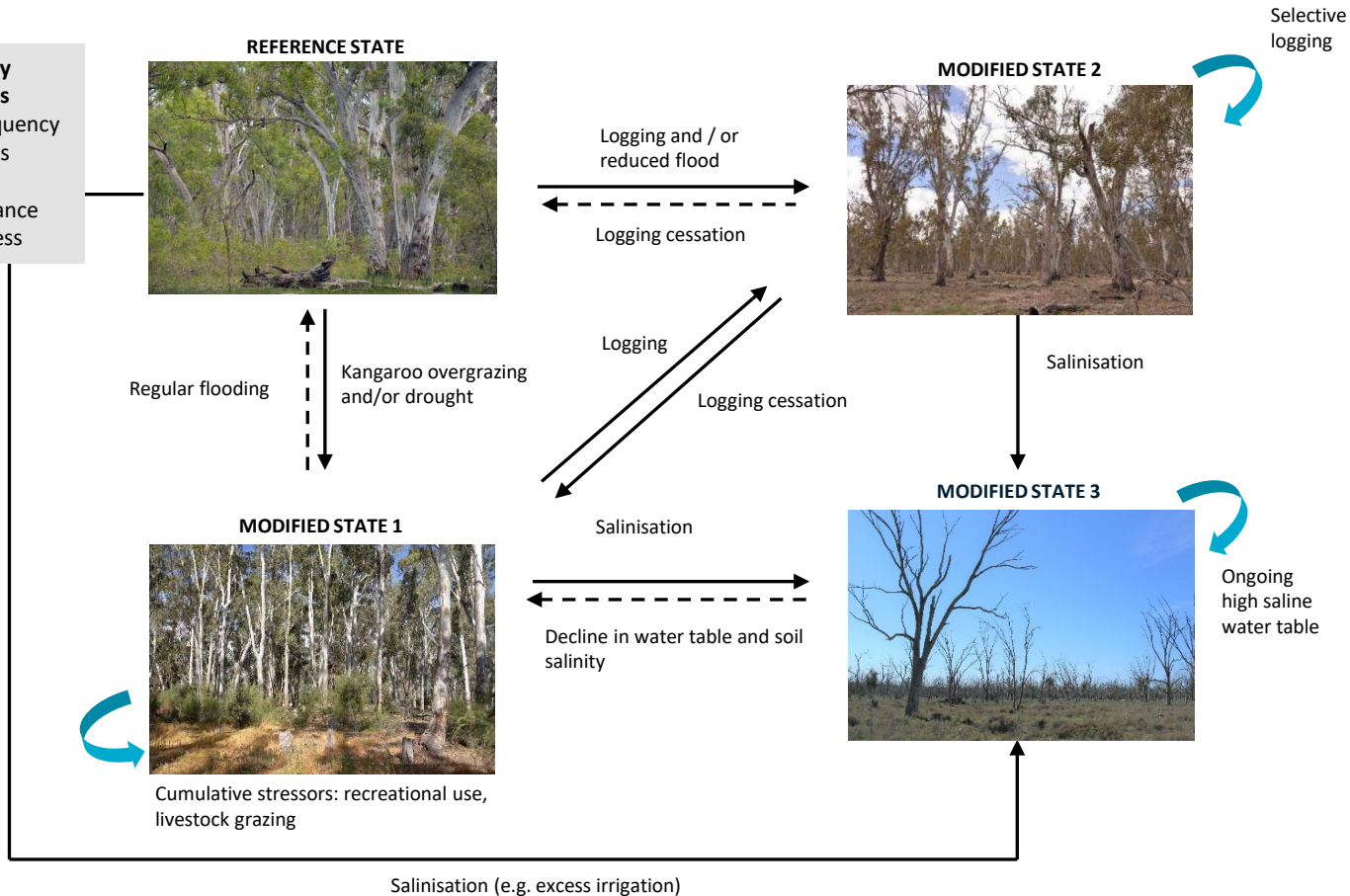
Gunbower-Koondrook-Perricoota Forest Icon Site

- Ecosystem extent
- Ecosystem condition
- Biodiversity
- Physical and monetary supply and use of ecosystem services
- Asset valuation

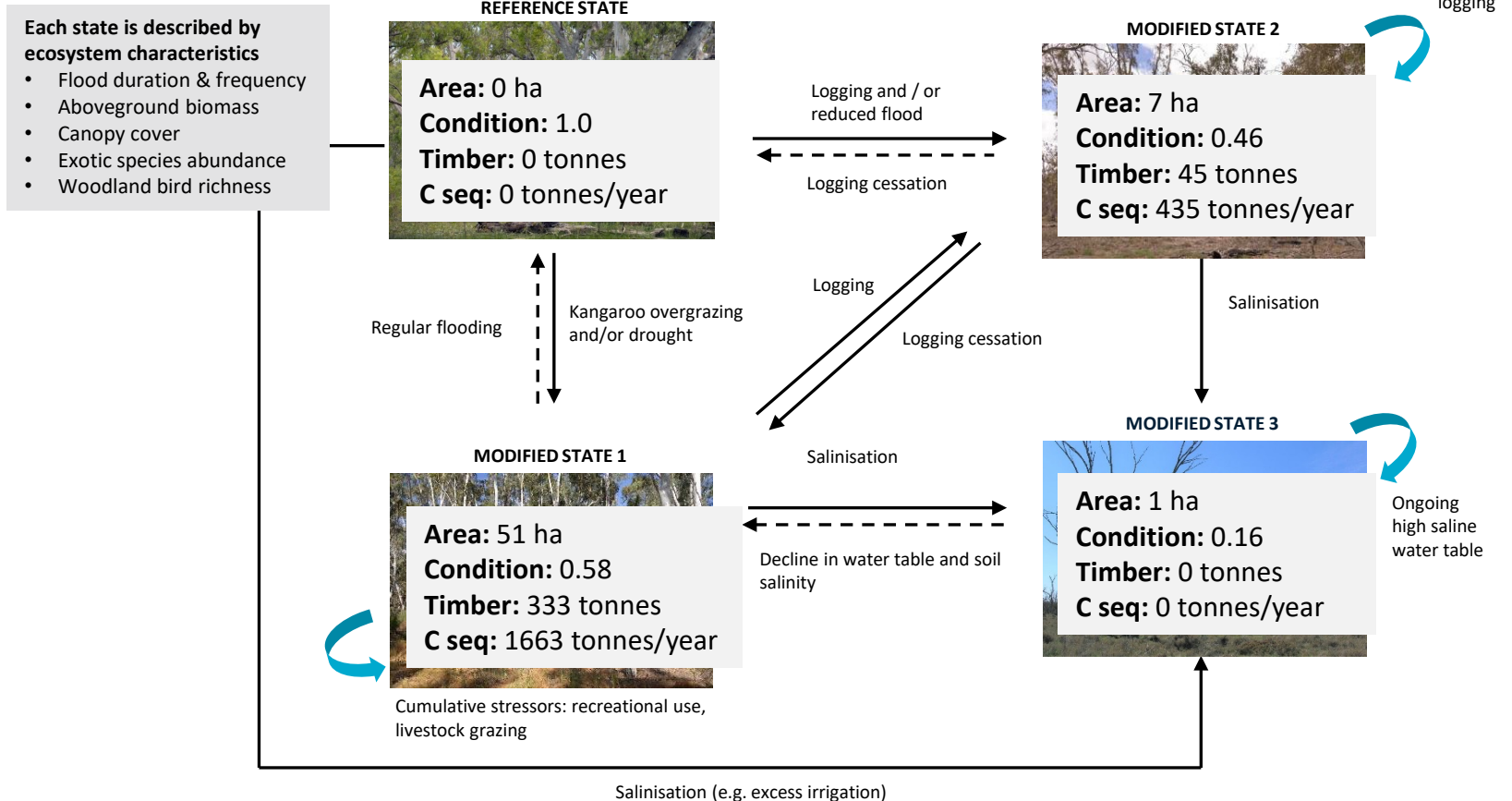
Dynamic ecosystem models for pathways to green recovery

Each state is described by ecosystem characteristics

- Flood duration & frequency
- Aboveground biomass
- Canopy cover
- Exotic species abundance
- Woodland bird richness



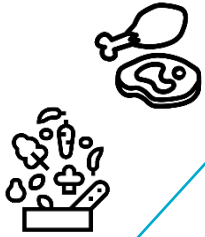
Dynamic ecosystem models for pathways to green recovery



Decision makers and sources of knowledge



Provide data and information

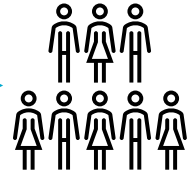
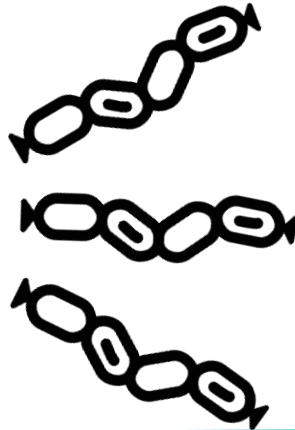
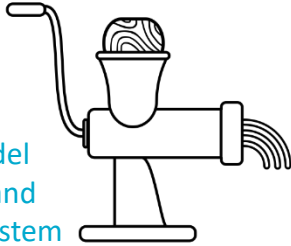


Advise which pathways are plausible

Identify pathways for green recovery

Business or community chooses pathway and acts

Impacts on nature, society and business



Scientists model future states and flows of ecosystem services

Feedbacks

Feedbacks





Thank you

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<https://www.csiro.au/en/research/natural-environment/natural-resources/Natural-capital-accounting>

<https://people.csiro.au/S/B/Becky-Schmidt.aspx>

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