



# Landscape Science and Management Workshop

Living Laboratories



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Department of Water, Land and  
Biodiversity Conservation



# Workshop purpose

- NRM is complex
  - Social, economic, environmental, governance
- Regional management = landscapes
- What tools are available?
- Various initiatives = case studies
- How can we bring research, land management & policy together?



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# NRM planning

- State NRM Plan Goal 1:  
*“Landscape scale management that maintains healthy natural systems and is adaptive to climate change”*
- good in theory...
- but NRM is done in ‘silos’
- differing understandings of landscape
- systems thinking is difficult



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# What do we mean by landscape?

- Landscape
  - spatial entity
  - mental entity
  - temporal dimension
  - nexus of nature and culture
  - complex system



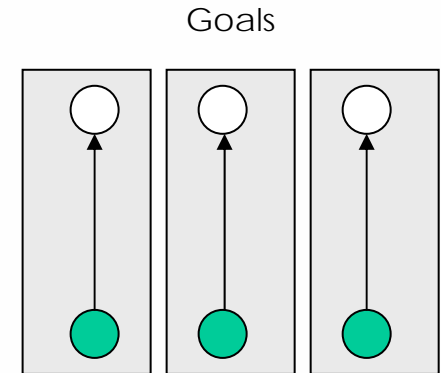
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# Approaches to planning

## Disciplinary Planning

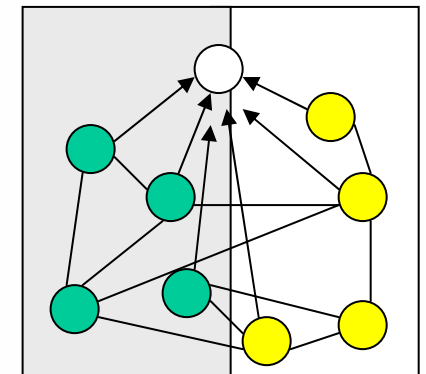
- within one academic or planning discipline
- no cooperation with other disciplines



Academic Disciplines

## Trans-disciplinary Planning

- move from inter to trans-disciplinary
- crosses disciplinary and planning boundaries
- common goal-setting
- integration of academics, planners & local actors



Academics  
& Planners

Local  
Actors



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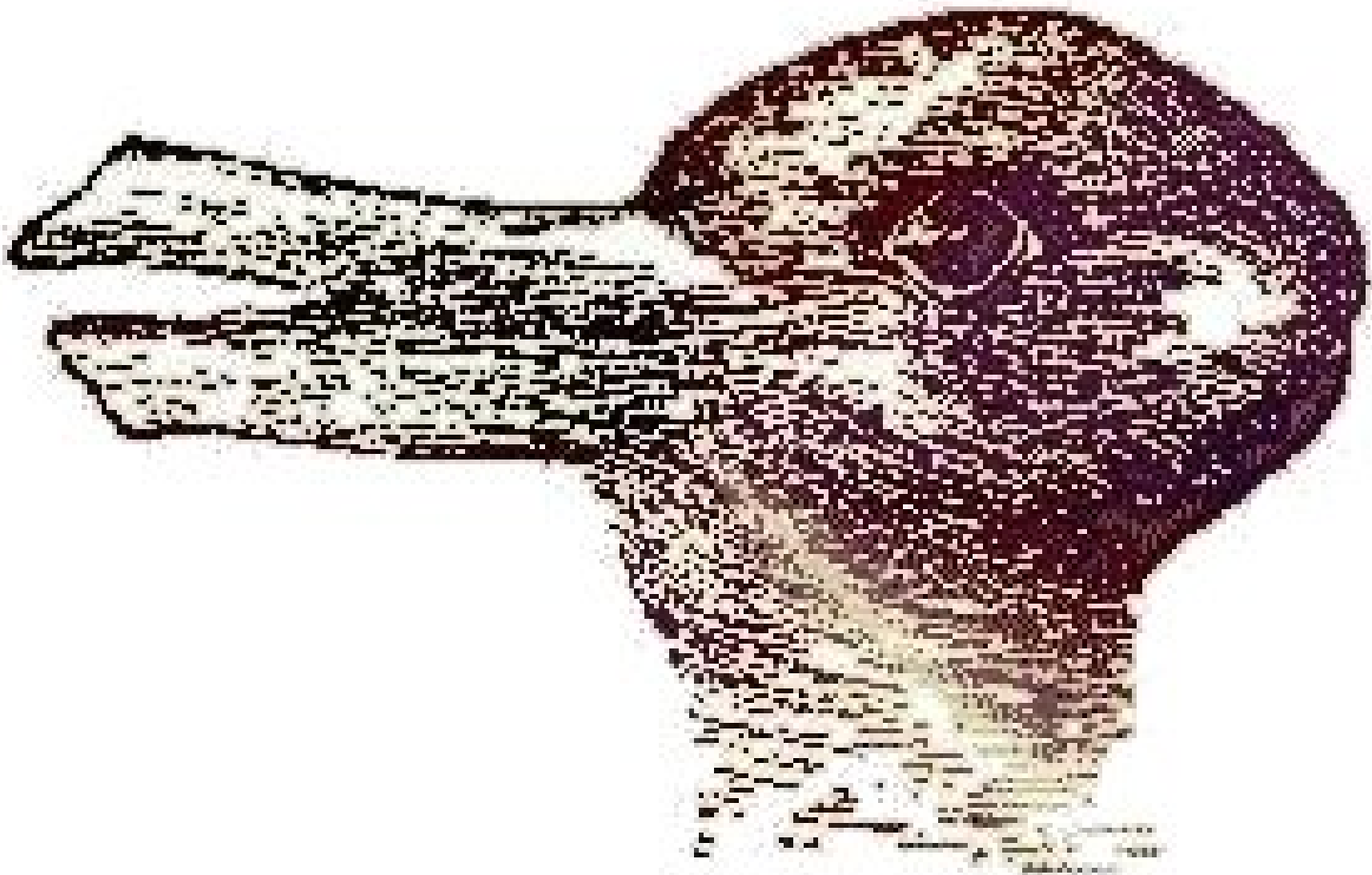
# Landscape thinking

- What does the future look like?
  - Scenarios
  - Who's view is right?
- How do we get there?



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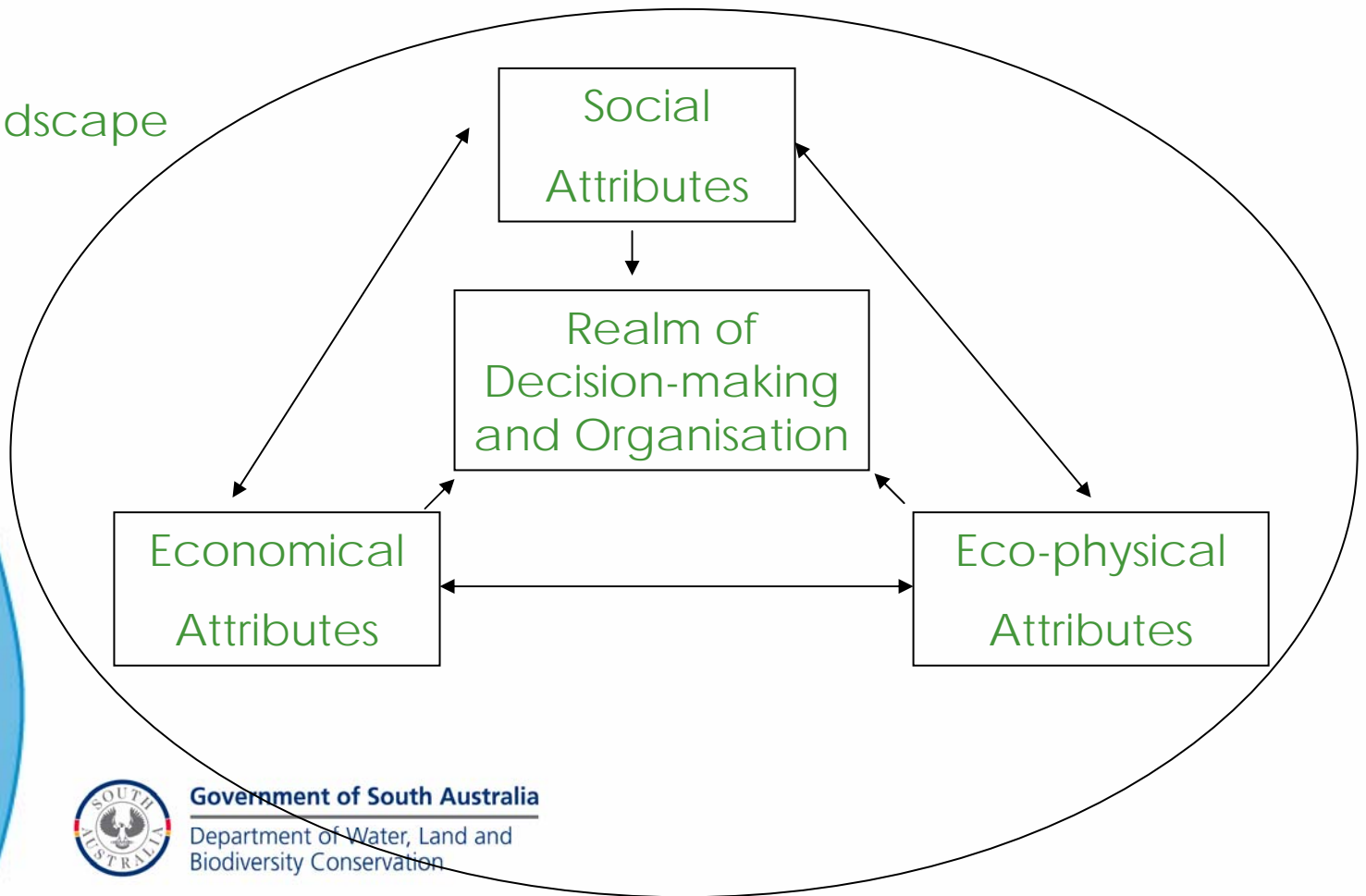
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# Land managers have a central role

Transdisciplinary aspect is primarily based in decision making domain

Landscape



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# Workshop objectives

- Landscape Science case studies
- relevance of Landscape Science to
  - policy makers
  - land managers
- barriers to integration and possible solutions
- next steps for Landscape Science in SA
  - partnerships
  - structures
  - information needs



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# Workshop outputs

- understanding of barriers to uptake
- recognition of the complexity of landscape thinking
- legitimacy of the key components
- direction for the future
  - what, who and how



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# Program for the day

## Now to Morning Tea

- setting the scene
  - role of government, vision, local barriers

## After Morning Tea

- Landscape Science case studies & summary forum

## After Lunch

- 2 x concurrent roundtable discussions
  - data accessibility
  - applying Landscape Science



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# \* Drinks and Nibbles \*



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