

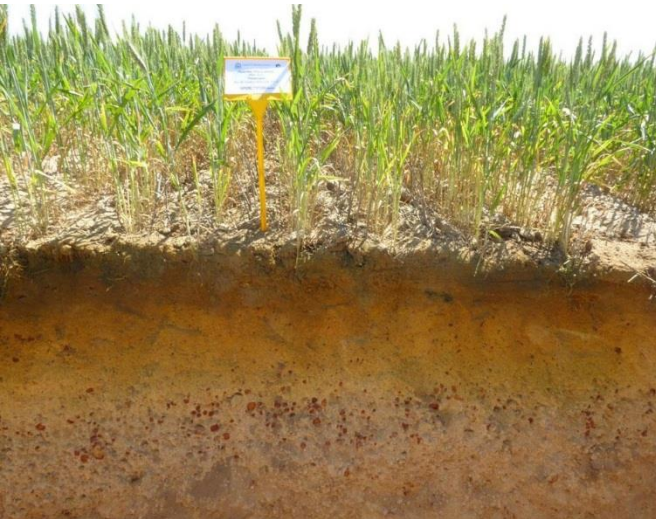
Providing ecosystem services: challenges, lessons and best practice

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Rural Australia

- A wealth of environmental assets & resources



A wealth of problems



Policy experiments

- From about 1990, various national policies and initiatives
 - Some state ones too
- Many different approaches (beyond traditional regulation and planning)
- What have we tried?
- What worked?
- What have we learnt?



The 1990s – social capital

- Landcare
- Joint initiative of conservation and farmer peak bodies – convinced national government to fund it
- Formation of hundreds of small local groups of farmers
- Hundreds of \$millions for facilitators and small grants
- Voluntary and largely unfunded



Landcare

- Aimed to
 - Build awareness
 - Influence values – foster stewardship ethic
 - Build social capital – local networks and trust
 - Greatly change land management



Landcare successes

- Raised awareness of environment and natural resources
- Helped promote substantial uptake of some sustainable farming practices
 - Zero tillage
 - Liming acid soils
- They were practices that generated private benefits for farmers (as well as some public environmental benefits)

Landcare failures

- Naivety about the nature of the problems
 - It wasn't just lack of awareness or social capital
 - Limited capacity & willingness of farmers to absorb costs to generate public environmental benefits
 - Lack of suitable technologies

The 2000s

- Regional governance (56 regions)
- Several \$billion



Regional governance

- **Motivations**

- More strategic, more targeted, better planned approach
- Respond to public pressure for more action

- **Devolution**

- Funds allocated to regional bodies
- Consult and develop regional plans
- Allocate funds to local priority projects

Regional gov'nce successes

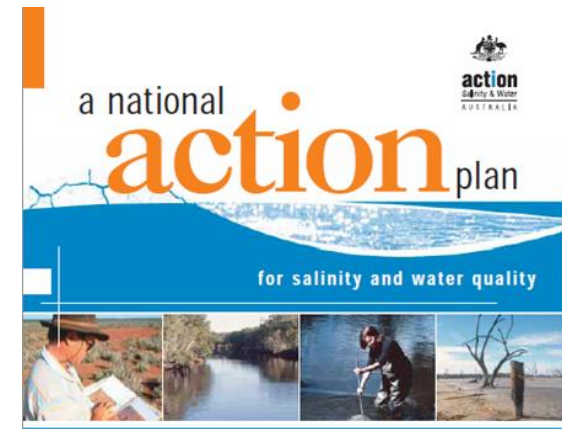
- Consultation led to buy-in for regional plans
- Maintained relationships with a motivated subset of local farmers
- Continued similar successes as for Landcare
 - Private benefits
 - Or public benefits and not too costly



Natural Heritage Trust

Helping Communities Helping Australia

An Australian Government Initiative



Regional gov'nce failures

- Targets unachievable
- Minimal use of science
 - Completely ignored the hard questions:
 - *Would it take to achieve the targets?*
 - *What would it cost?*
- Very weak prioritisation – preference for spreading \$ thinly
- Pressure to spend money quickly, not well

Regional gov'nce failures

- Failure of system to prioritise learning and improvement
- Assumed that all problems could be addressed regionally
 - Some needed investment in technology development – none supported



ANAO Review (2008)

- No evidence of significant progress towards preventing, stabilising and reversing trends.
- Where there was evidence, progress was frequently less than one per cent of the longer-term resource condition target.

- Centralisation – Caring for our Country
- Motivations
 - Reduce reliance on regional bodies – viewed as the cause of the earlier failings
 - A more business-like approach
 - Set clearer targets



CARING
FOR
OUR
COUNTRY

Centralisation successes

- A pretty good set of criteria for selecting projects to fund

Centralisation failures

- Ignored their own criteria for selecting projects
 - very weak prioritisation
- Political interference in funding decisions
- Disempowered the regional bodies – lost regional support and networks
- High transaction costs

Centralisation failures

- **Targets worse than the earlier ones**
 - Included a bit more science, but very coarse-scale
 - Absence of local knowledge, local behaviours and attitudes, social conditions, economics
 - Ridiculously short time frames for targets
 - Encouraged actions with short-term “gains” even if no long-term gains e.g. environmental weed removal
 - Ruled out investments that could actually make a worthwhile difference in medium to long term



Water markets – why

- Water over-allocated by state governments
- Lower appetite for costly water infrastructure – costs exceeded benefits
- A water market seen to allow flexibility and to reduced costs of adjustment

Water markets – what

- A cap on extractions
- Tradeable water entitlements
- Trading rules that reflect hydrological realities
- Trading platform and accounting system
- Systems for managing third-party impacts
- Some challenges
 - Sleeper licenses

Water market – what happened

- Persisted with it – took it seriously
- Now have a successful market system
- Generates benefits worth 100s of \$millions each year
- Especially during drought
- People can't imagine not having it
- Also used by the CEWH

Market-like instruments

- Conservation tenders (reverse auctions)
- Used to allocate funds to projects that protect or restore native vegetation/habitat/wetlands
- “Bushtender”, “Ecotender” “National Stewardship Scheme”



Conservation tenders

- Farmers submit bids
 - I will do X if you pay me Y
- The program evaluates and quantifies ecosystem services provided
- Rank bids according to value for money B/C
- Contract the best ones



Conservation tenders, benefits

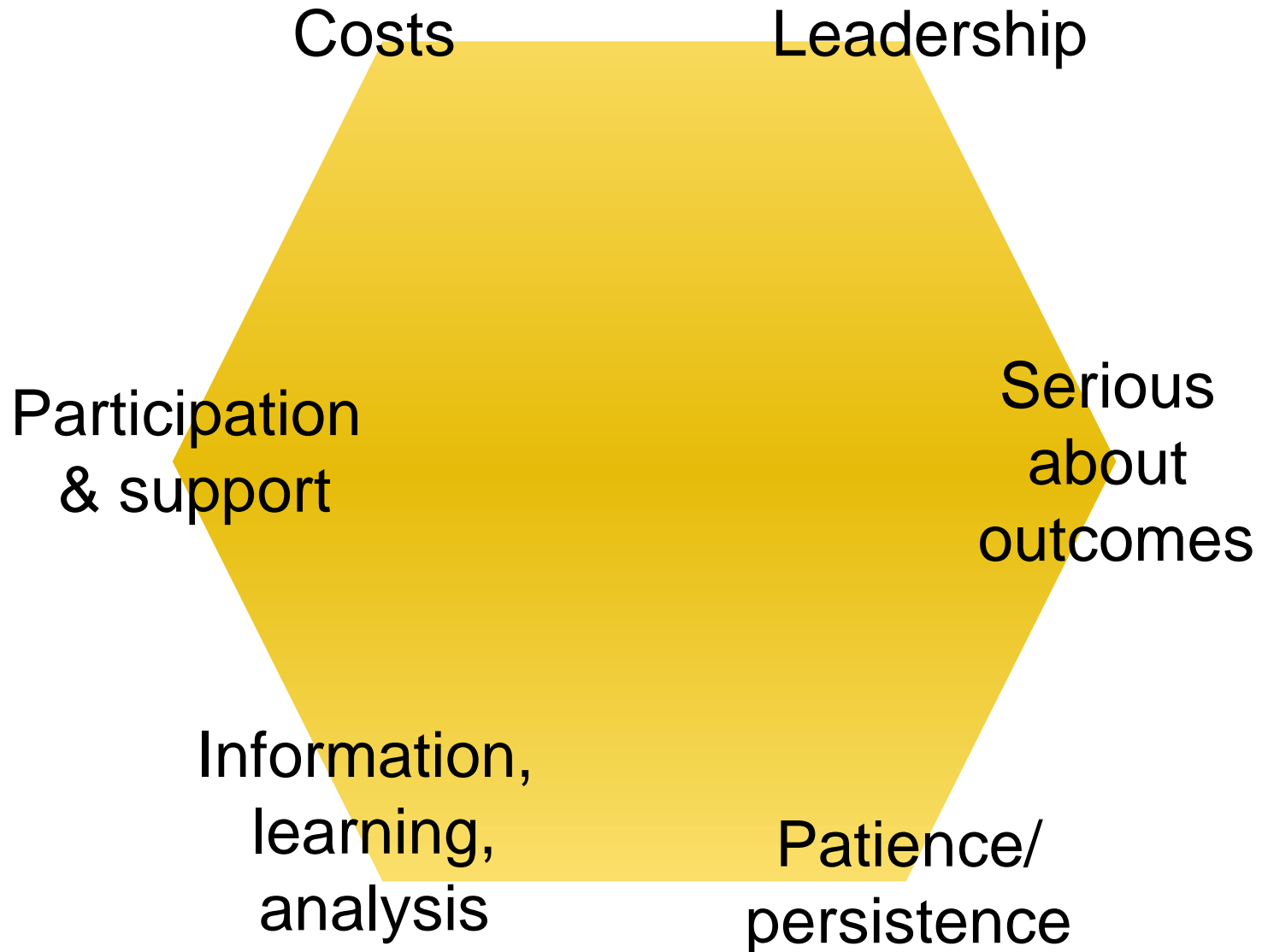
- Excellent prioritisation of investments
- Good contracting
- Development of tools to efficiently provide essential ecological info – if I do X, what will be the environmental outcomes?
- In case of the National Stewardship Scheme, long-term contracts
- Efficiency
- Transparency



Conservat'n tenders, problems

- All the things that make it good were resisted
- People used to looser, uninformed, opaque decision making and preferred it!
- Info viewed as a cost
- Long-term contracts clashed with gov't culture
- Implementers need knowledge
- Crowding out voluntary action
- Needed strong leadership – not forthcoming

The key elements



Conclusion

- It seems to be hard to do this well
- It is possible
- We've made mistakes – learn from them



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