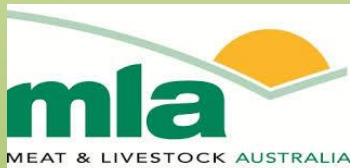


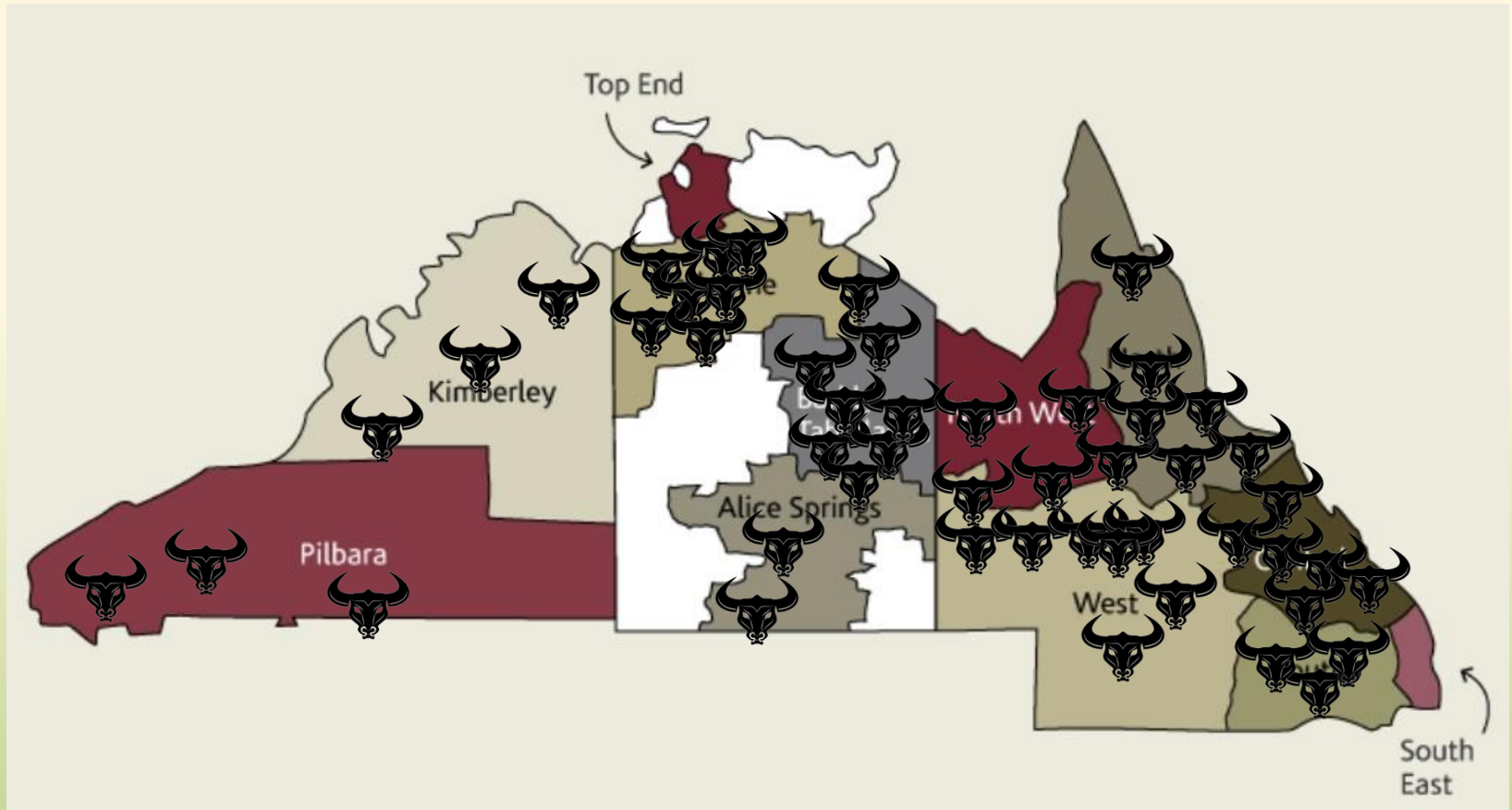
**Business and RD&E Plan to
determine the value proposition for
greater use of fire in the grazing
lands of northern Australia**

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Firescape Science



Northern Grazing Lands



Why the emphasis on fire?

There are good reasons for using fire on grazing lands

- Preventing wildfire spread
- Improving pasture condition
- Controlling woody weeds
- Controlling exotic weeds
- GHG emission abatement (Carbon farming)



How widespread is fire use?

**Fire is only used by some pastoralists
in some regions**



Why the disconnect?

Is it because...

- We don't know enough?
- We don't communicate well enough?
- We don't know how to manage at a property scale?
- There is a lack of burning skills?
- Pastoralists don't like fire?



Why an RD&E Plan?

Barriers to using fire	Solution(s)
Lack of evidence	Research
Lack of access to evidence	Research, Extension
Not knowing how to burn	Extension (Skill development)
Conflict with other purposes	Research, Extension (Planning)
Fear of litigation	Extension (Skill development, Planning)
Not knowing when it will next rain	Research, Development & Extension

Guiding questions (1)

- What do producers want to use fire for?
- What do we already know about using fire?
- How widely applicable is our knowledge (climate, region, land/soil types, seasons etc.)?

Guiding questions (2)

- How do we provide producers with fire management skills?
- How do we increase uptake of evidence-based fire management?
- What does good fire management look like on the property?



Pose the questions

Ask the pastoralists & graziers

What is the one thing that would have to change for you to use fire management?

Then ask the researchers

How do we provide what the pastoralists & graziers need?

Then ask extension providers

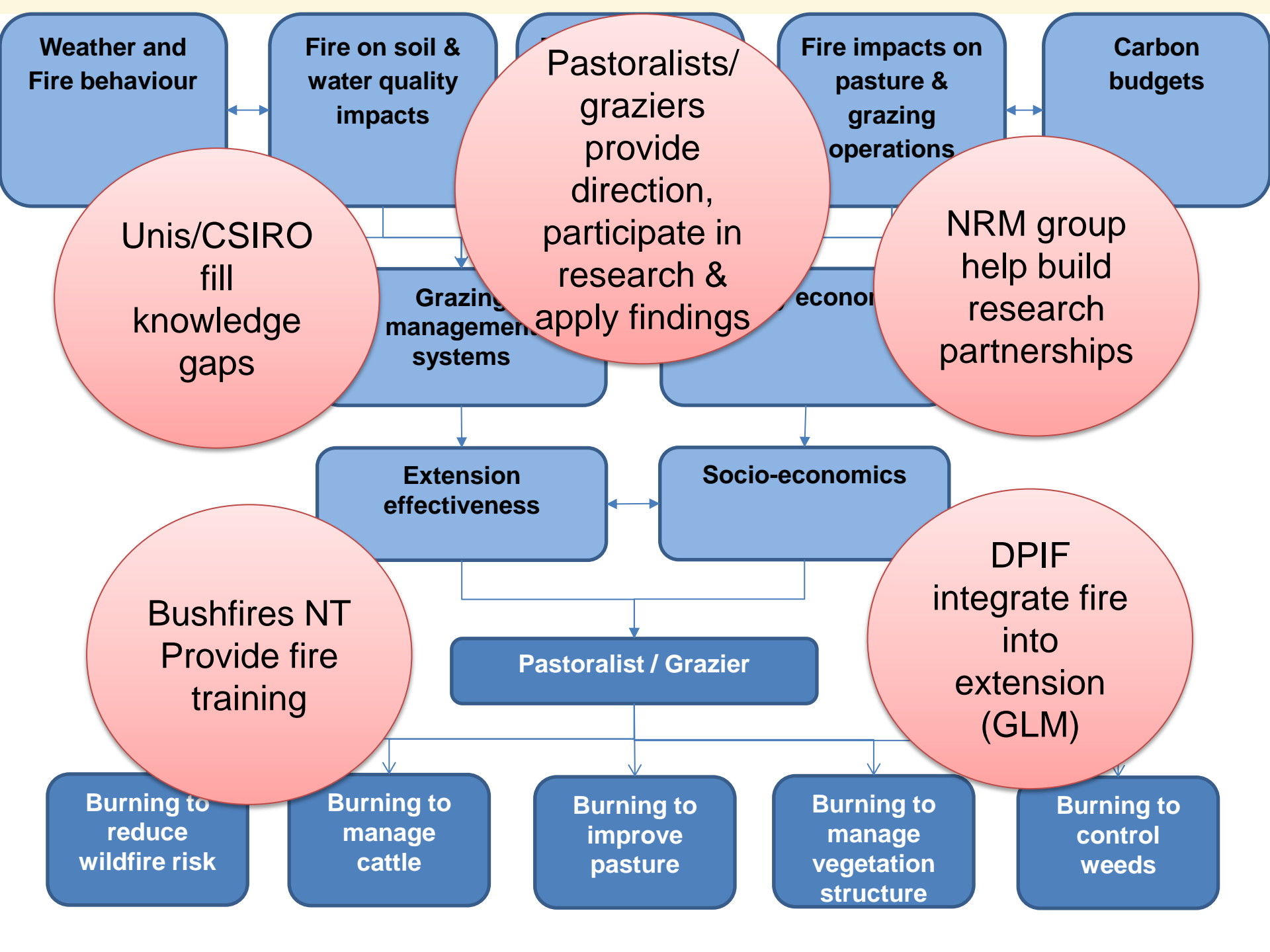
How do we work with pastoralist & graziers to get them to improve their fire management?



RD&E Plan delivery model

- Identify who has a role in fire research, development and extension
- Identify RD&E infrastructure and funds
- Identify best ways to test fire management impacts across regions, soil and land types and in response to seasonal conditions
- Propose coordination model
- Link these resources into a 10 year investment plan





Weather and Fire behaviour

Fire on soil & water quality impacts

Pastoralists/ graziers provide direction, participate in research & apply findings

Fire impacts on pasture & grazing operations

Carbon budgets

Unis/CSIRO fill knowledge gaps

Grazing management systems

econom

NRM group help build research partnerships

Extension effectiveness

Socio-economics

Bushfires NT Provide fire training

Pastoralist / Grazier

DPIF integrate fire into extension (GLM)

Burning to reduce wildfire risk

Burning to manage cattle

Burning to improve pasture

Burning to manage vegetation structure

Burning to control weeds

Process for developing the RD&E Plan

1. Select key messages from previous work
2. Survey producers
3. Consult extension services
4. Consult researchers
5. Develop draft RD&E plan
6. Seek feedback (meetings & emails)
7. Finalise plan



Opportunities to have your say

1. Producer survey

www.surveymonkey.com/s/FireInNorthernGrazingLands-LandManagers

2. Extension & NRM survey

www.surveymonkey.com/s/FireInNorthernGrazingLands-Extension

3. Researcher survey

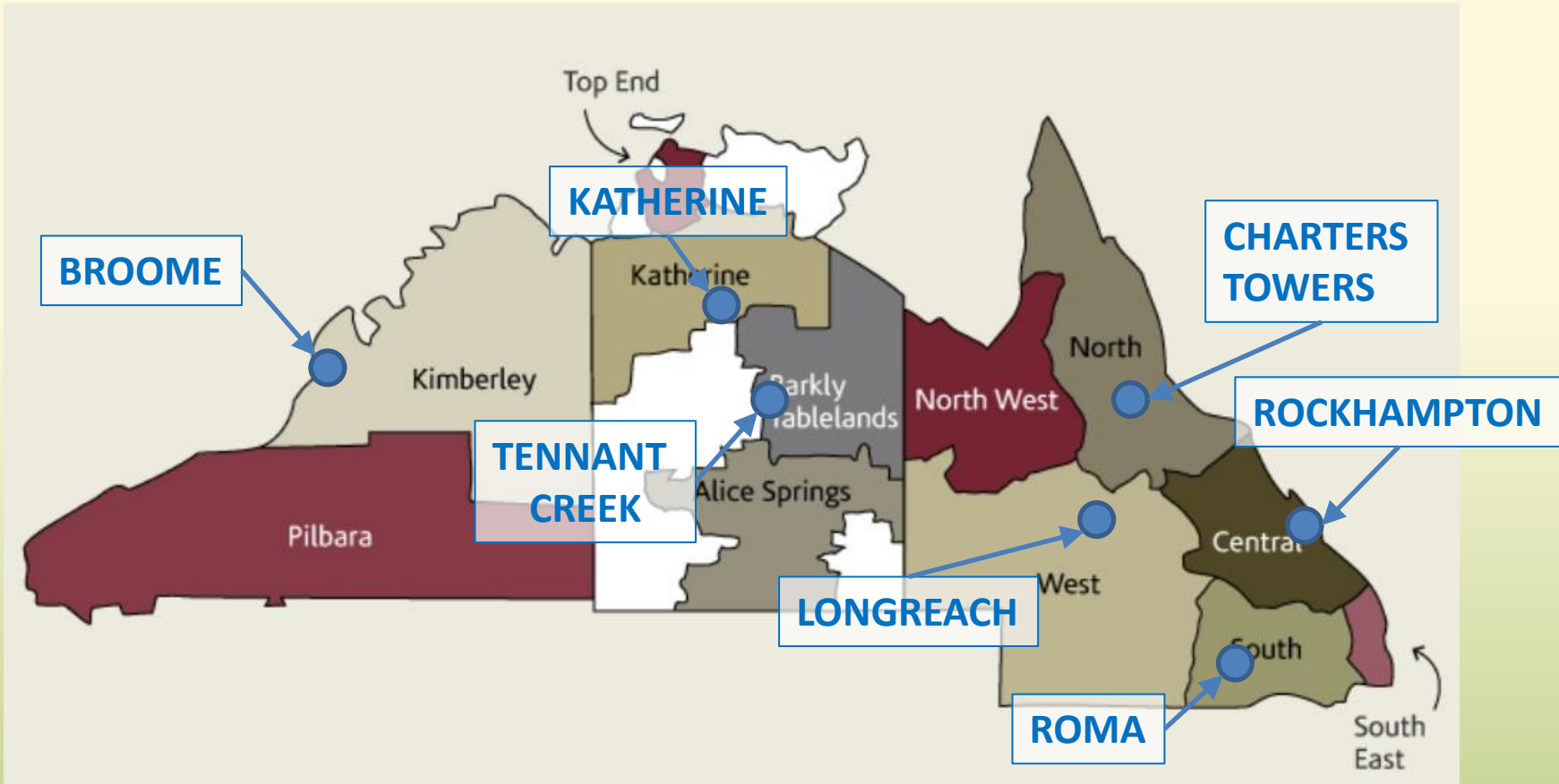
www.surveymonkey.com/s/FireInNorthernGrazingLands-Researchers

4. Feedback on plan

5. Community workshops (next slide)



Consultation Workshops



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