

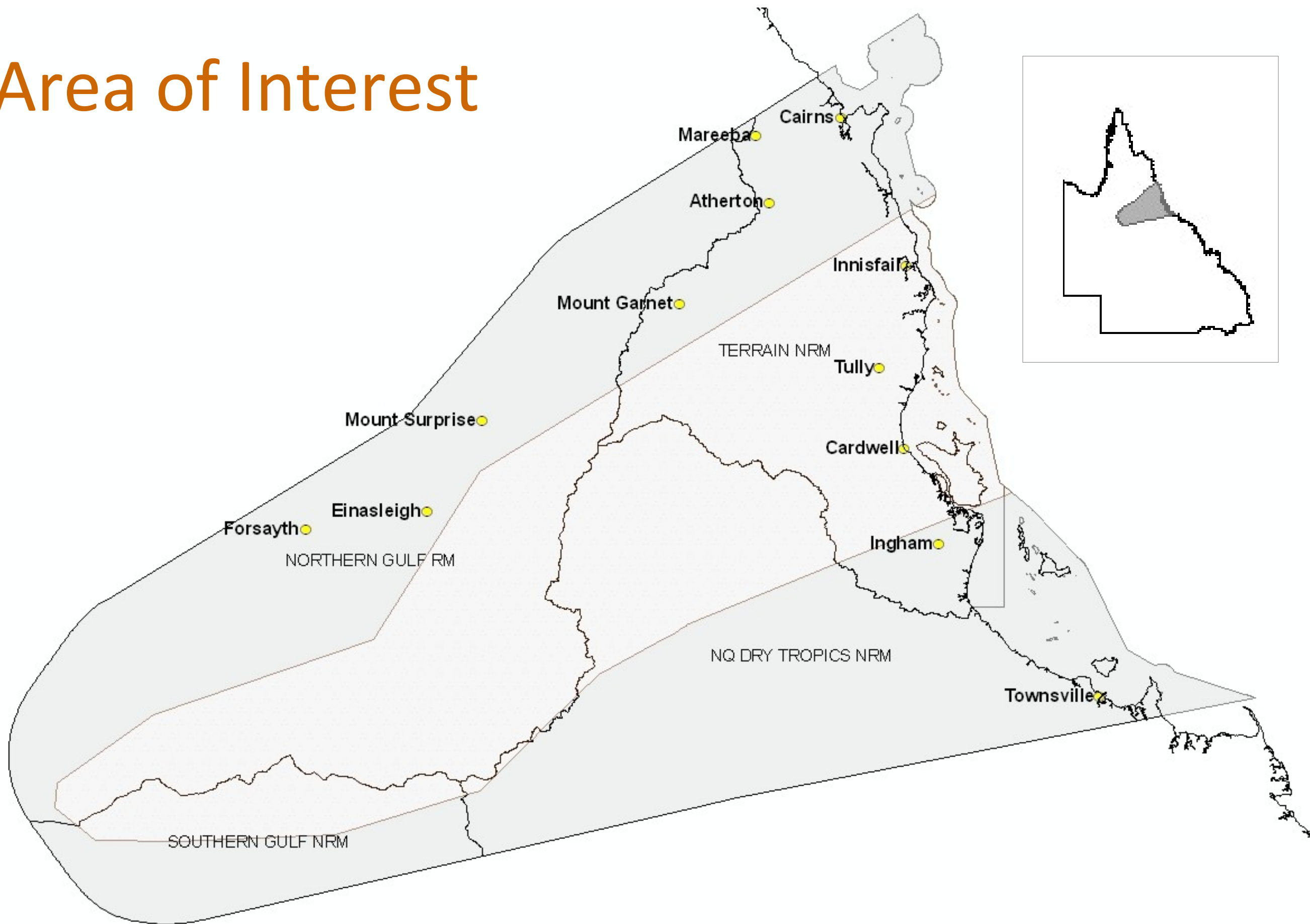
Wildfire Mitigation Strategy for Non-coastal Areas Affected by Tropical Cyclone Yasi

A framework to reduce the risk of wildfires

Dr Leasie Felderhof



Area of Interest



The issues



The approach

Bushfire hazard assessment

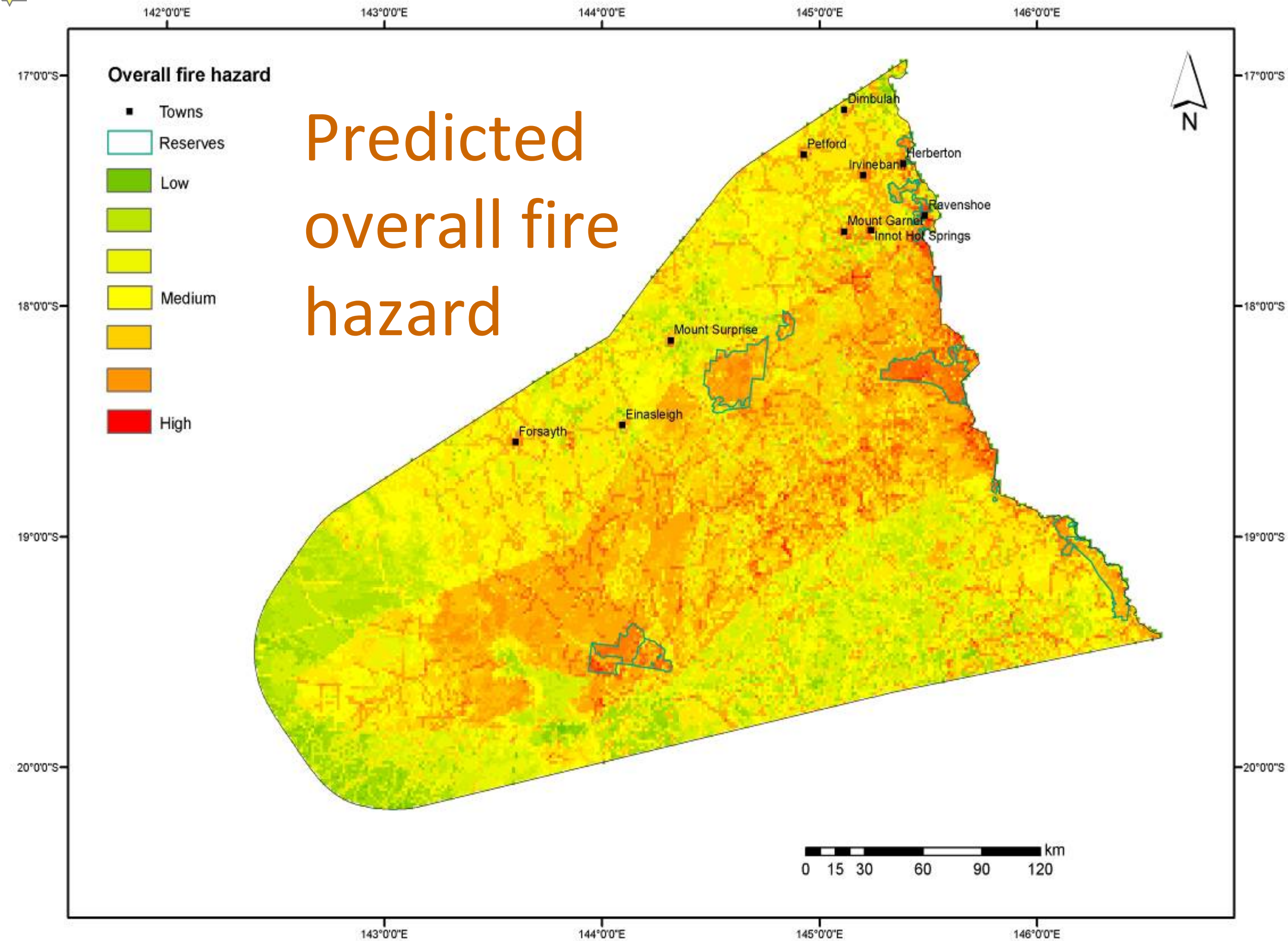
GIS desktop exercise

Likelihood + Consequences
= Hazard score

Maps with predicted areas of high,
medium and low fire hazard





Ground-truthing





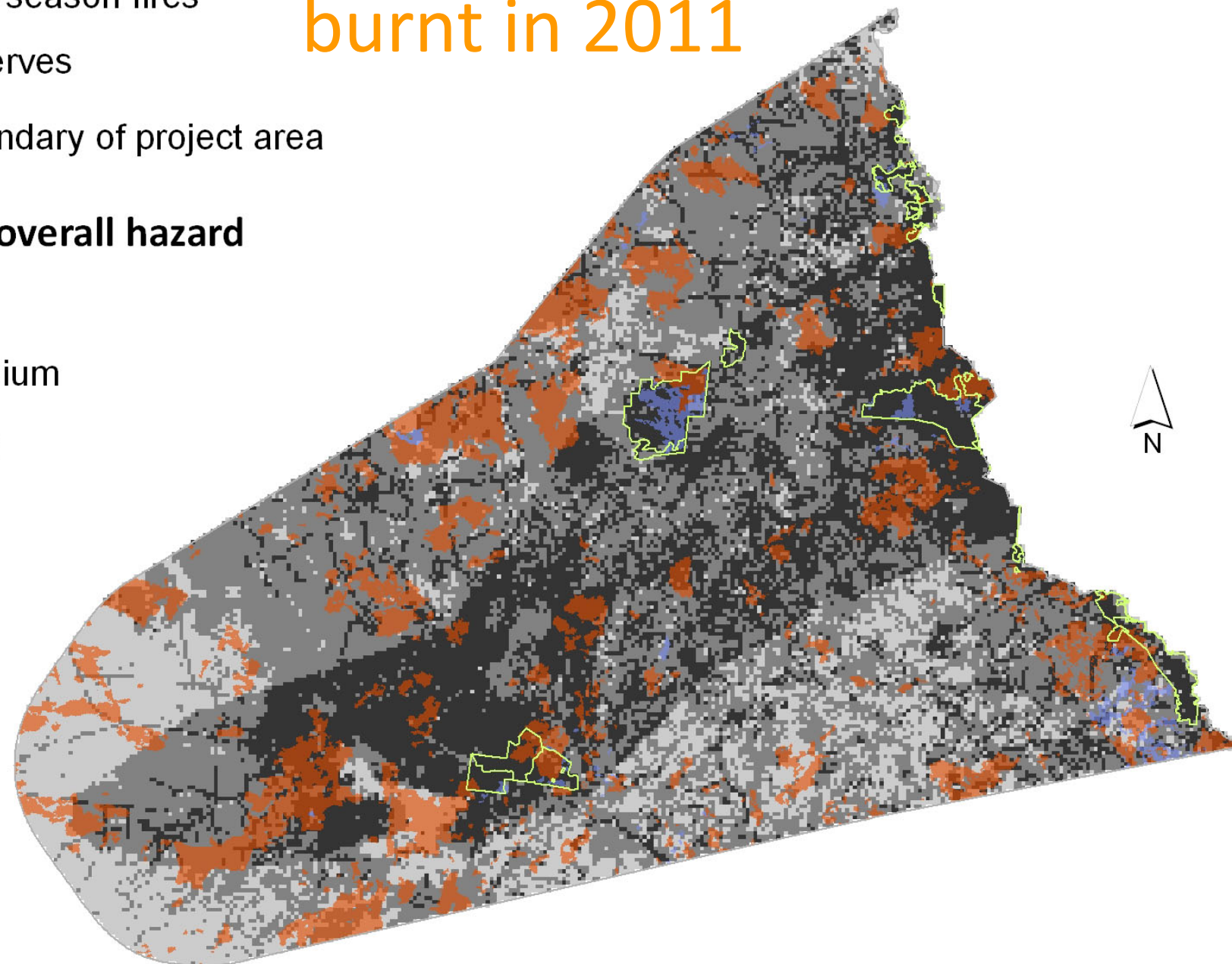
Comparison of predicted fire hazard and what actually burnt in 2011

Fire scars 2011

-  early season fires
-  late season fires
-  reserves
-  boundary of project area

Predicted overall hazard

-  low
-  medium
-  high



0 30 60 120 180 240 km

The approach (cont'd)

Discussions within
the community



The Strategy

- sets direction for ongoing actions and processes
- considers fire management requirements (social, economic & environment)
- focuses on cross-tenure cooperation
- is responsive to changed conditions (eg. climate variability)
- Scalable – & build on existing structures



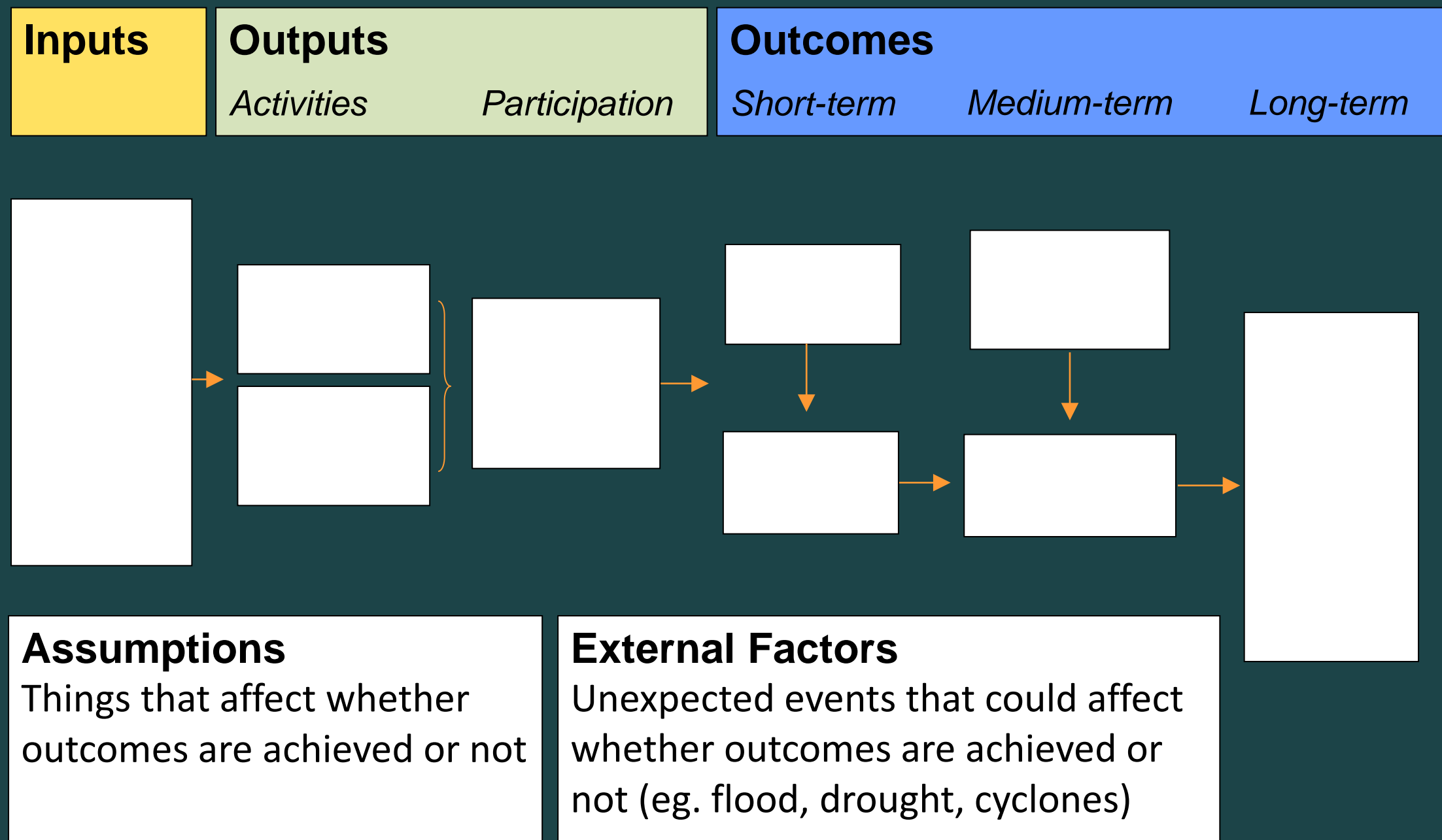
Program logic

- gives a visual framework for planning, reporting & communication
- easy to track progress
- provides a structure for coordinating activities across different scales of operation



Program logic template

One diagram for each strategic outcome: eg. Community Engagement



Overall strategic outcomes

- annual fire hazard assessment
- community engagement
- communication
- training and implementation
- information and research



Potential: Regional and bioregional integration

RIDC Northern Region Wildfire Mitigation (set of 5 strategic outcomes)

Inputs	Outputs	Outcomes
	<i>Activities</i> <i>Participation</i>	<i>Short-term</i> <i>Medium-term</i> <i>Long-term</i>

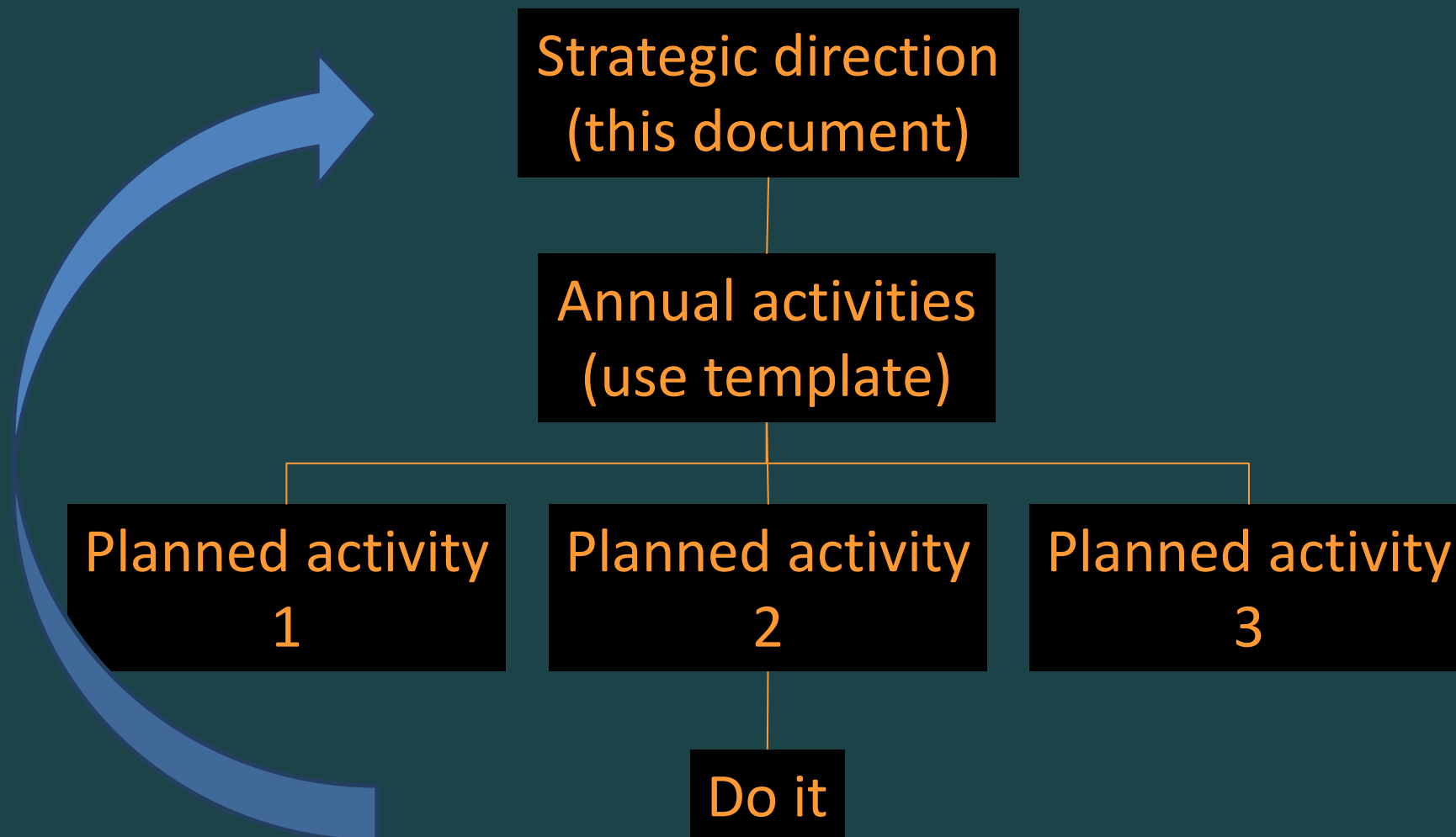
Western areas affected by Cyclone Yasi Wildfire Mitigation (set of 5)

Inputs	Outputs	Outcomes
	<i>Activities</i> <i>Participation</i>	<i>Short-term</i> <i>Medium-term</i> <i>Long-term</i>

Wet Tropics Wildfire Mitigation (set of 5)

Inputs	Outputs	Outcomes
	<i>Activities</i> <i>Participation</i>	<i>Short-term</i> <i>Medium-term</i> <i>Long-term</i>

Template for annual activities



The Strategy is reviewed each year to check against activities carried out in the previous year, and to plan for the coming year



Current status

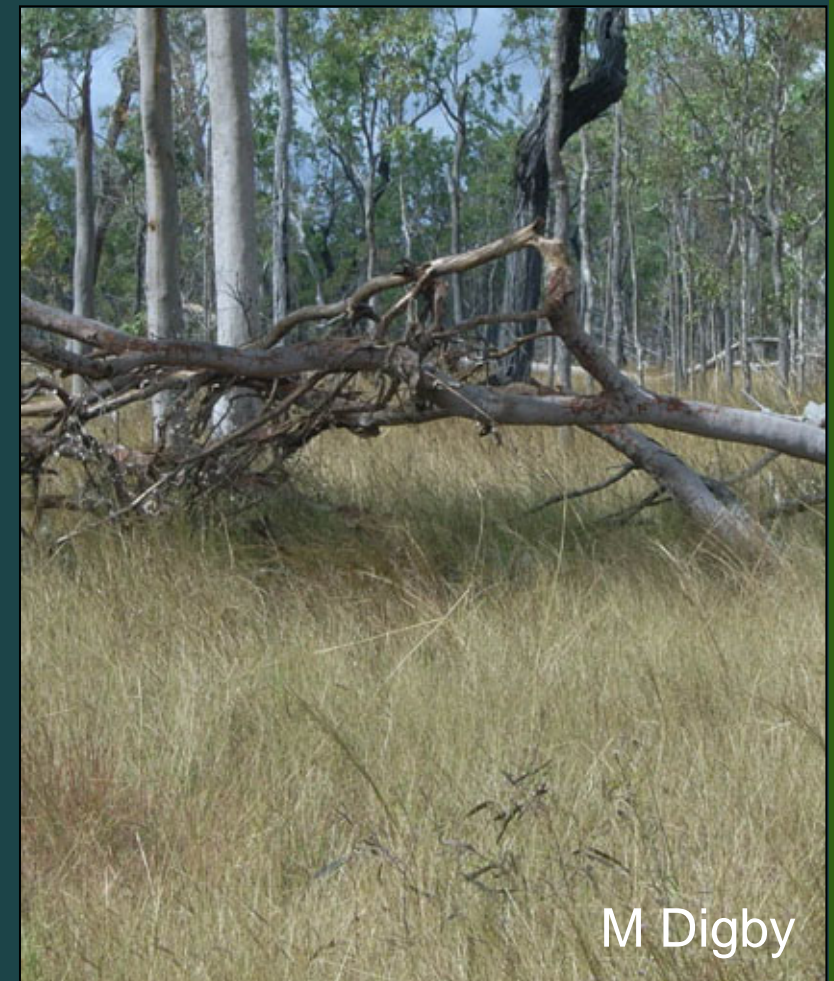
- draft circulated for comment, then finalise
- more community engagement
- trial burns for clean-up of country
- commence implementation
 - fire weather research
 - wildfire mitigation plan for Blackbraes
 - improved communication; key issues



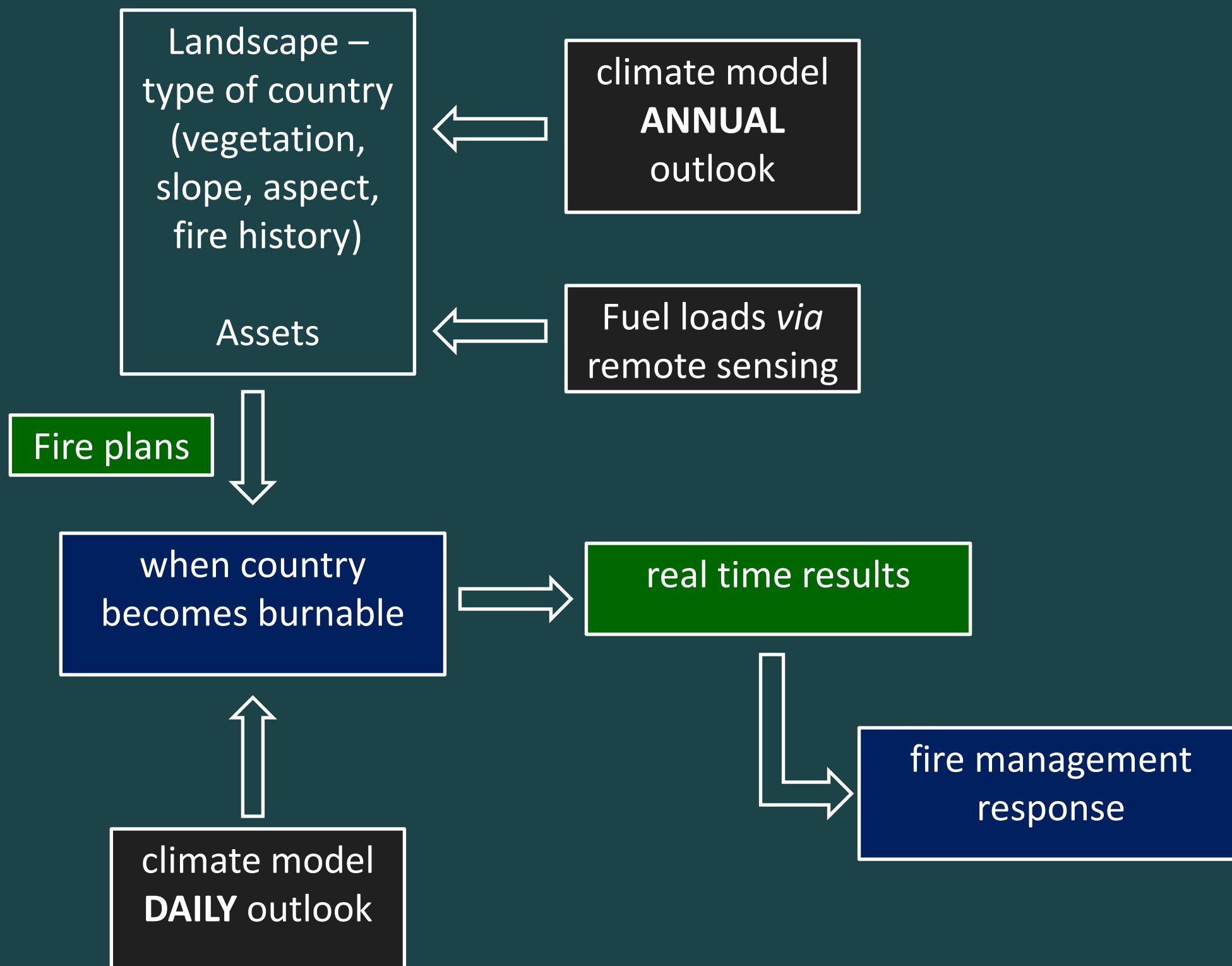
Long-term Vision

A process is established for:

- assessing & addressing regional fire management needs on an annual basis
- strengthening existing networks
- responding to community concerns and vagaries of climate



Linking with climate change.....



Questions and comments
welcome

