Australian Farm Institute

The Thin Green Line

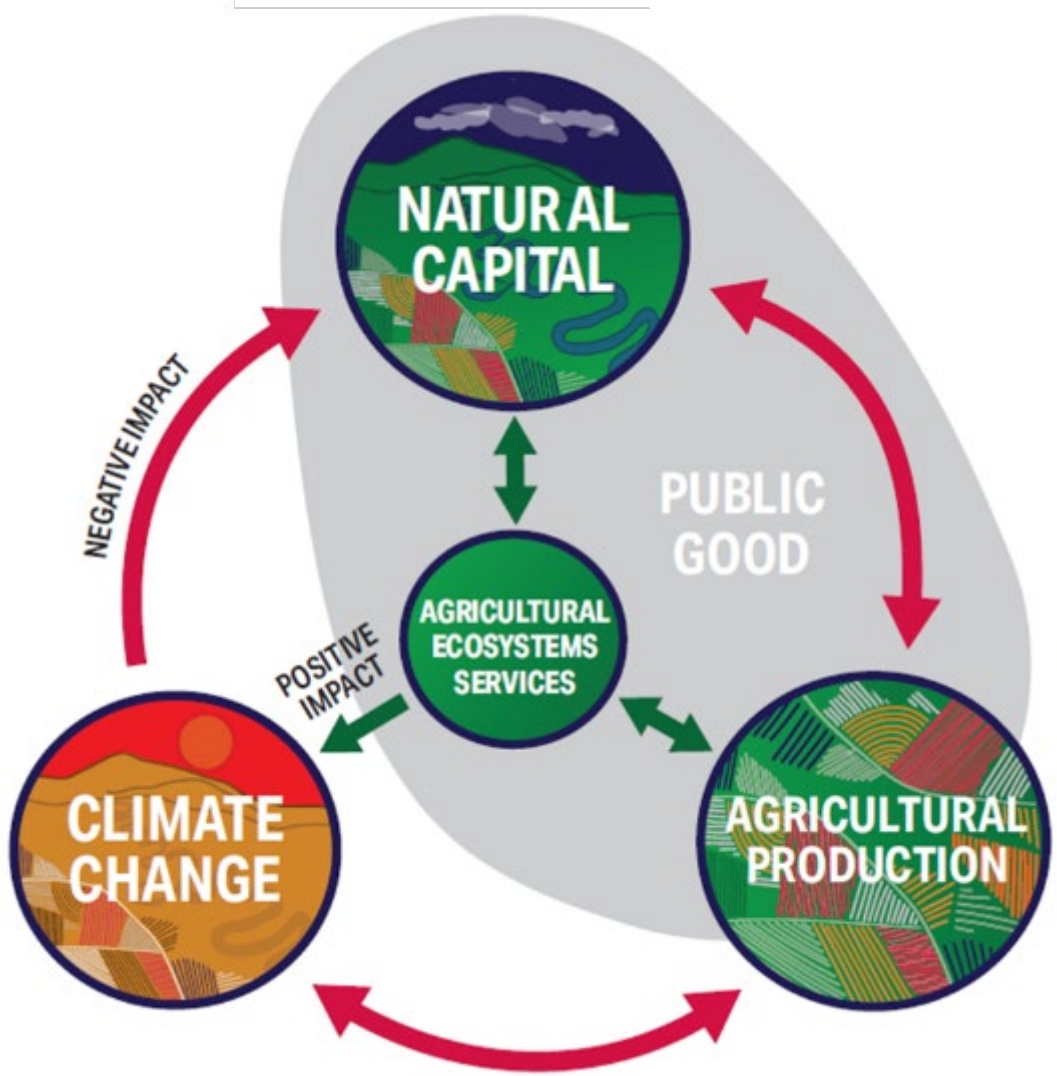
Addressing agriculture's grounded role in global economies

Katie McRobert
AFI Executive Director


The Thin Blue Line


The Thin Green Line

The Thin Green Line



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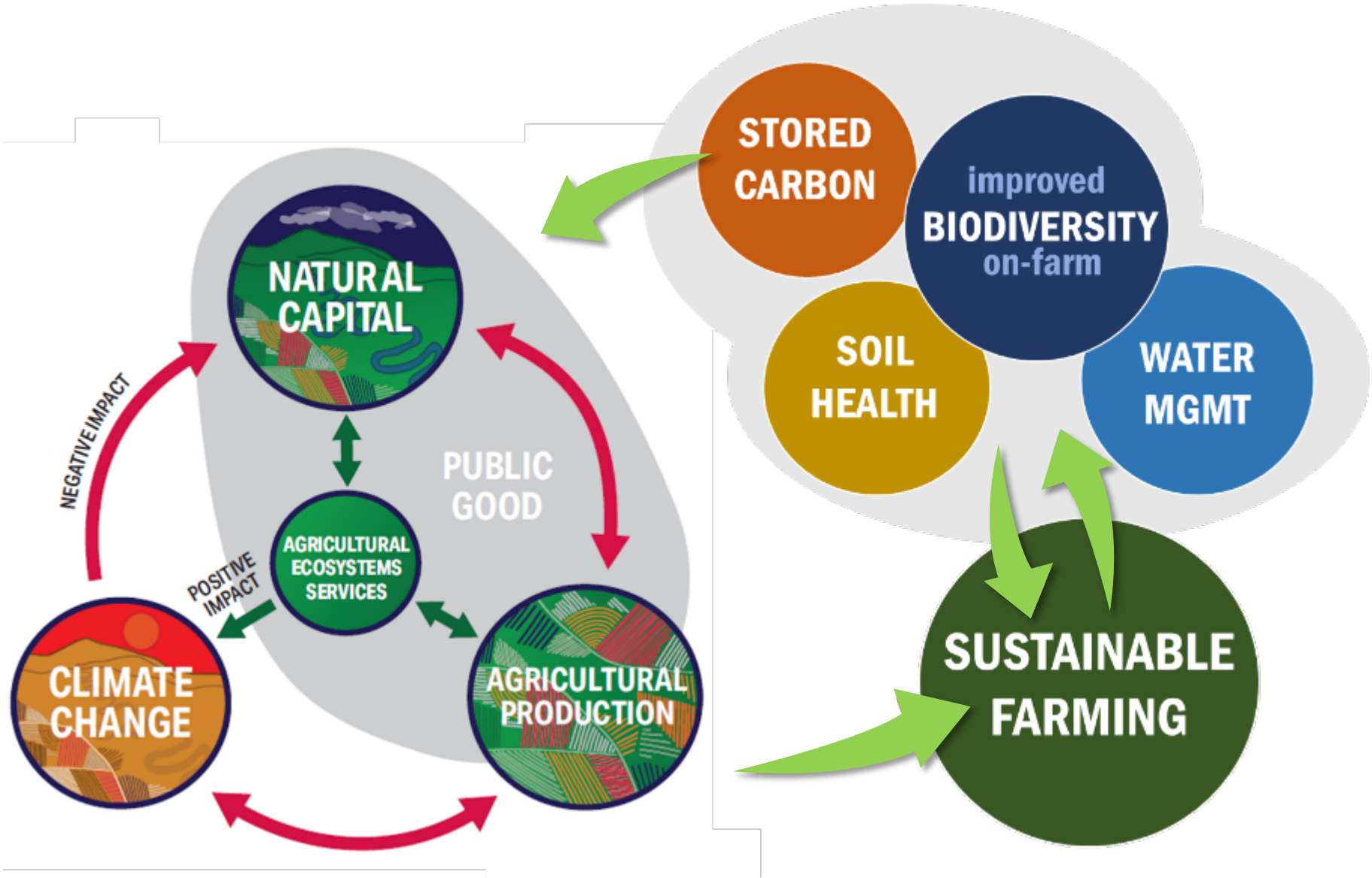


Australian Farm Institute

STEWARDSHIP OF RESOURCES

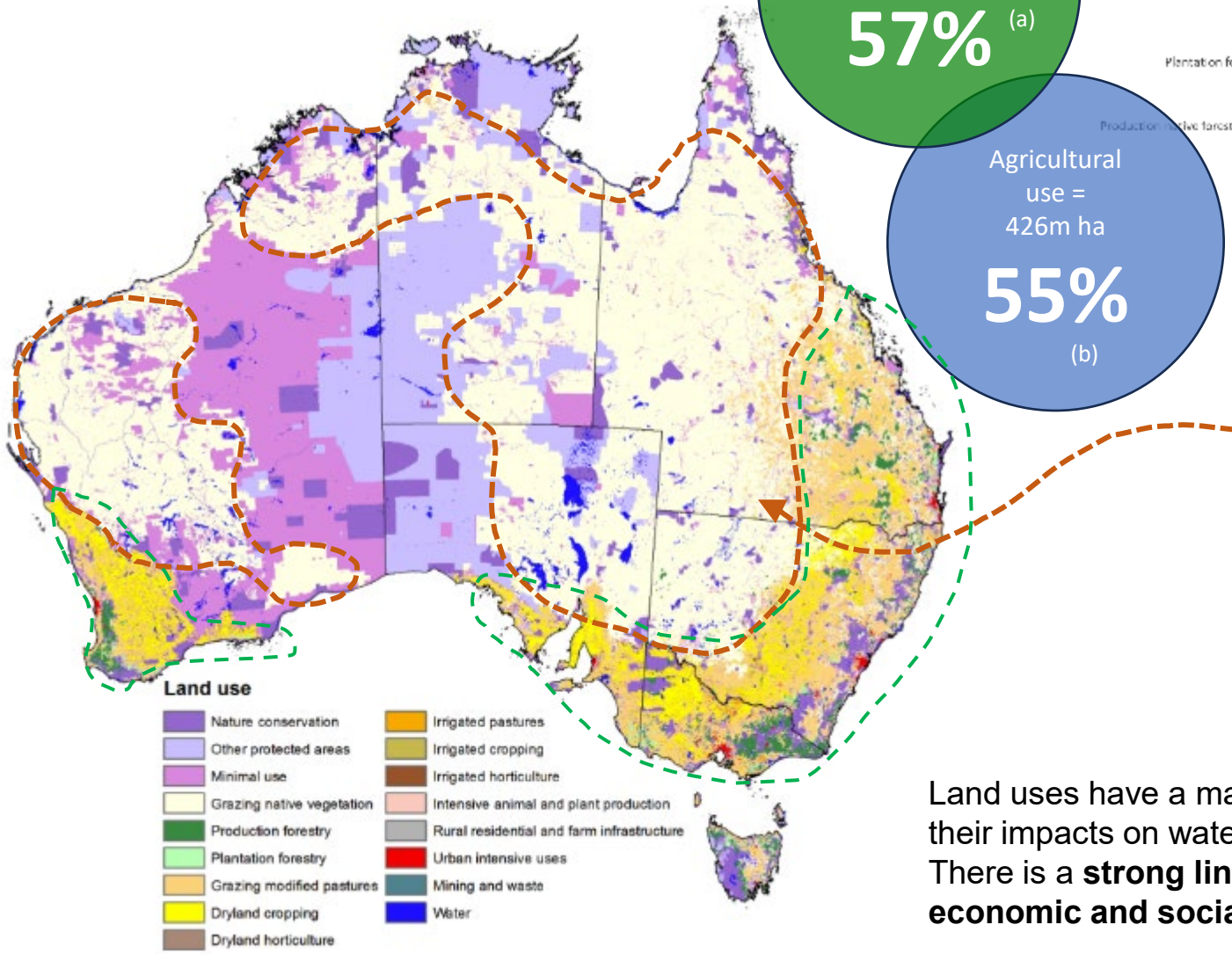
How Australia uses land:

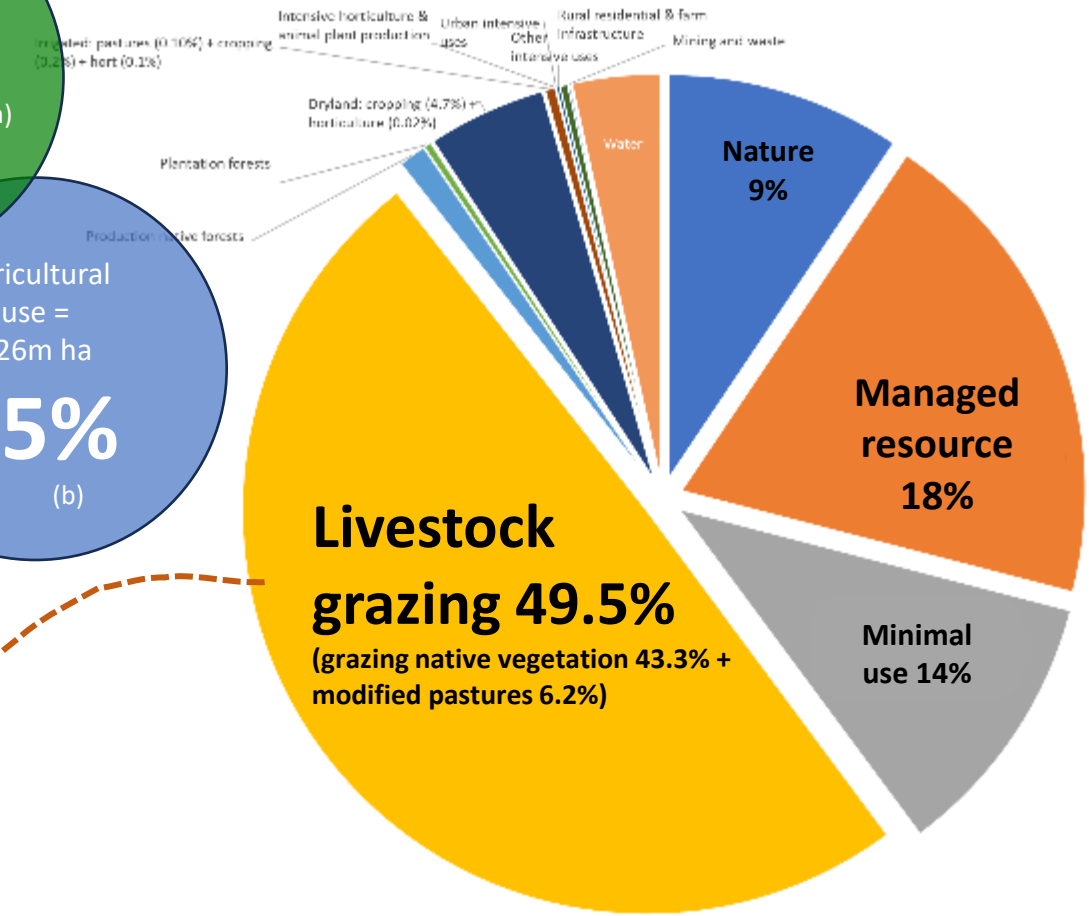
Indigenous estate = 438m ha

57% (a)

Agricultural use = 426m ha

55% (b)

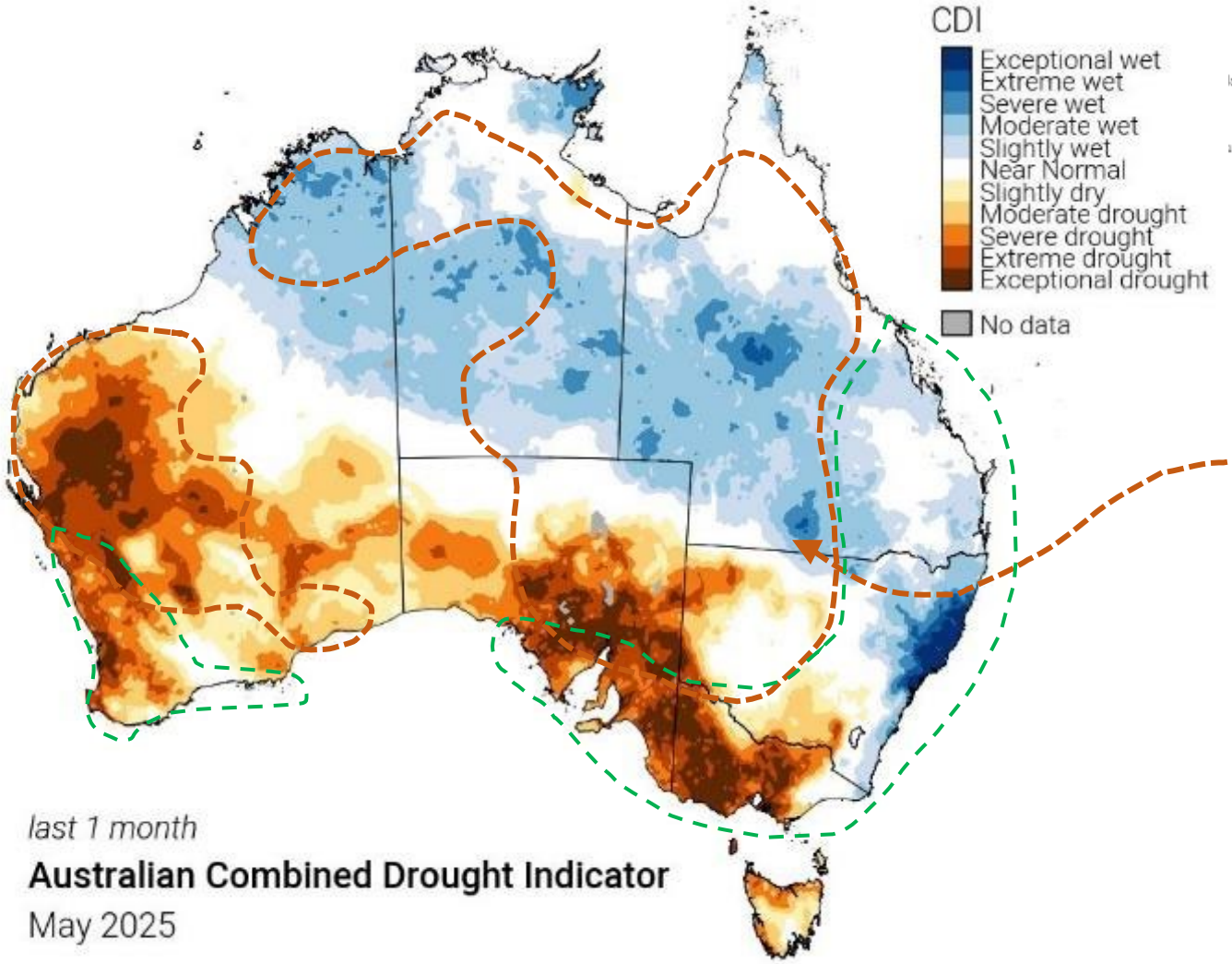


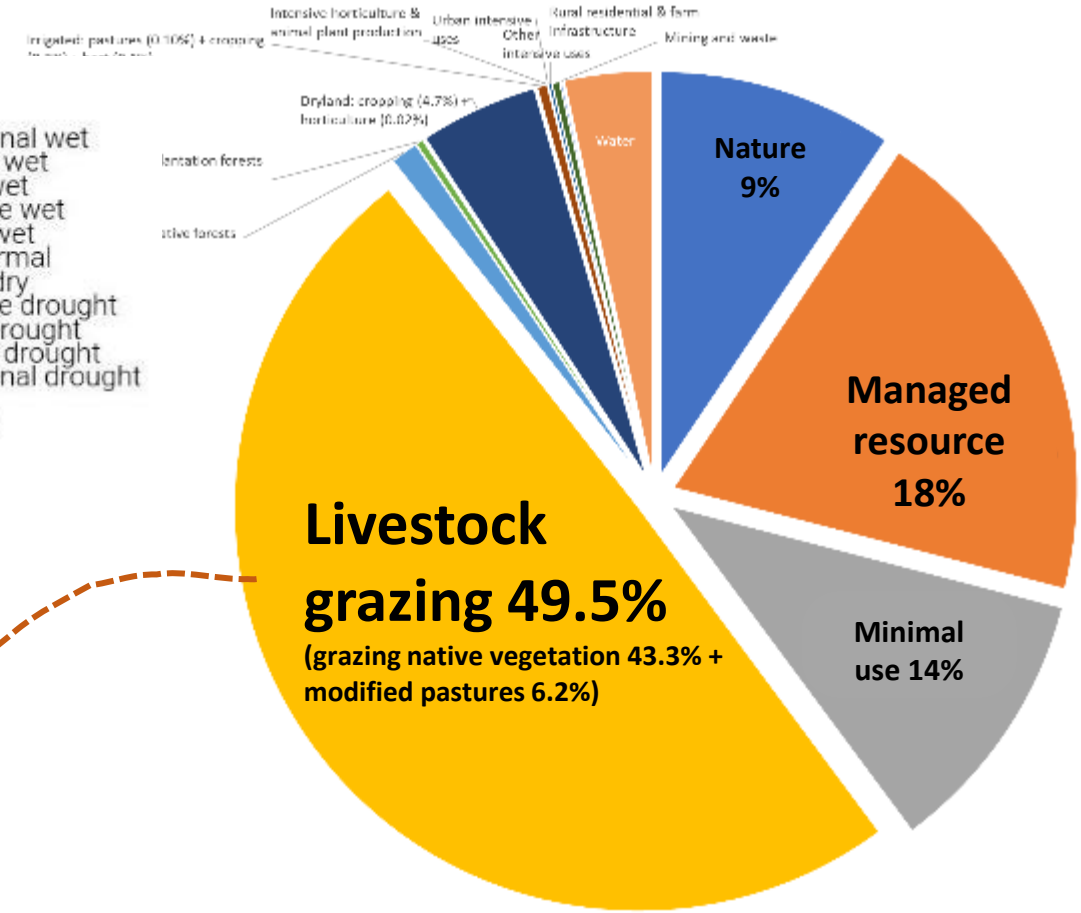


Land uses have a major effect on Australia's natural resources through their impacts on water, soil, nutrients, plants and animals.
There is a **strong link between changing patterns of land use and economic and social conditions**, particularly in regional Australia.

ABARES: https://www.agriculture.gov.au/abares/aclump/land-use

How Australia uses land:





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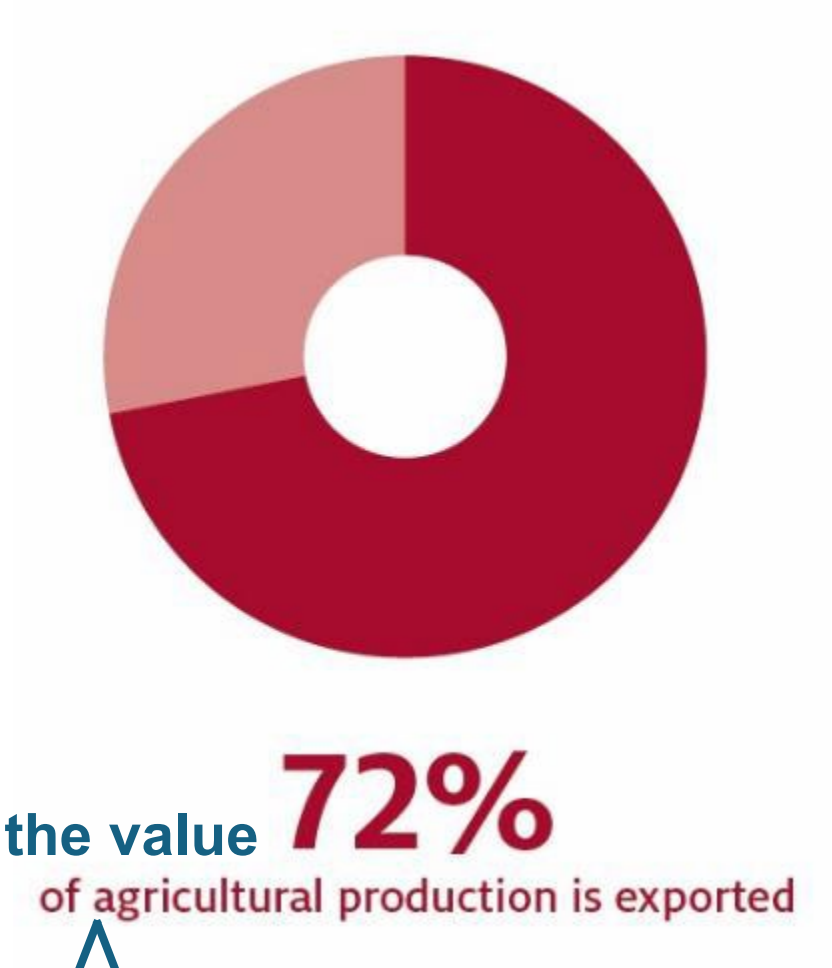
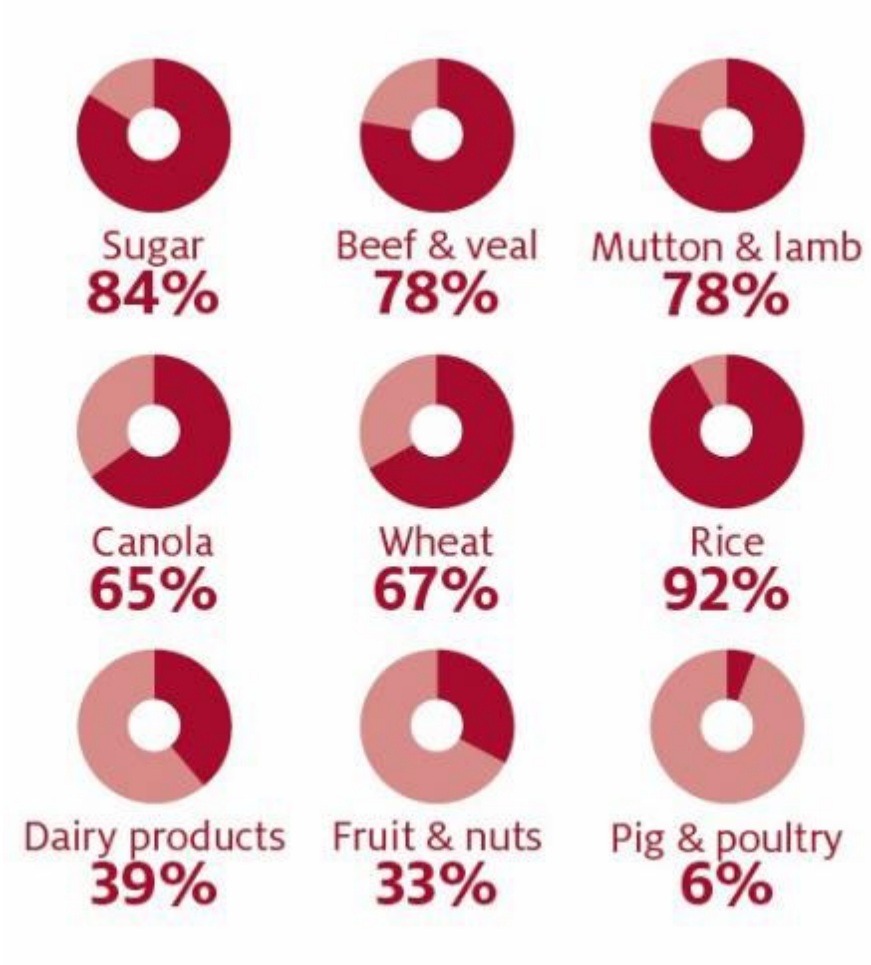
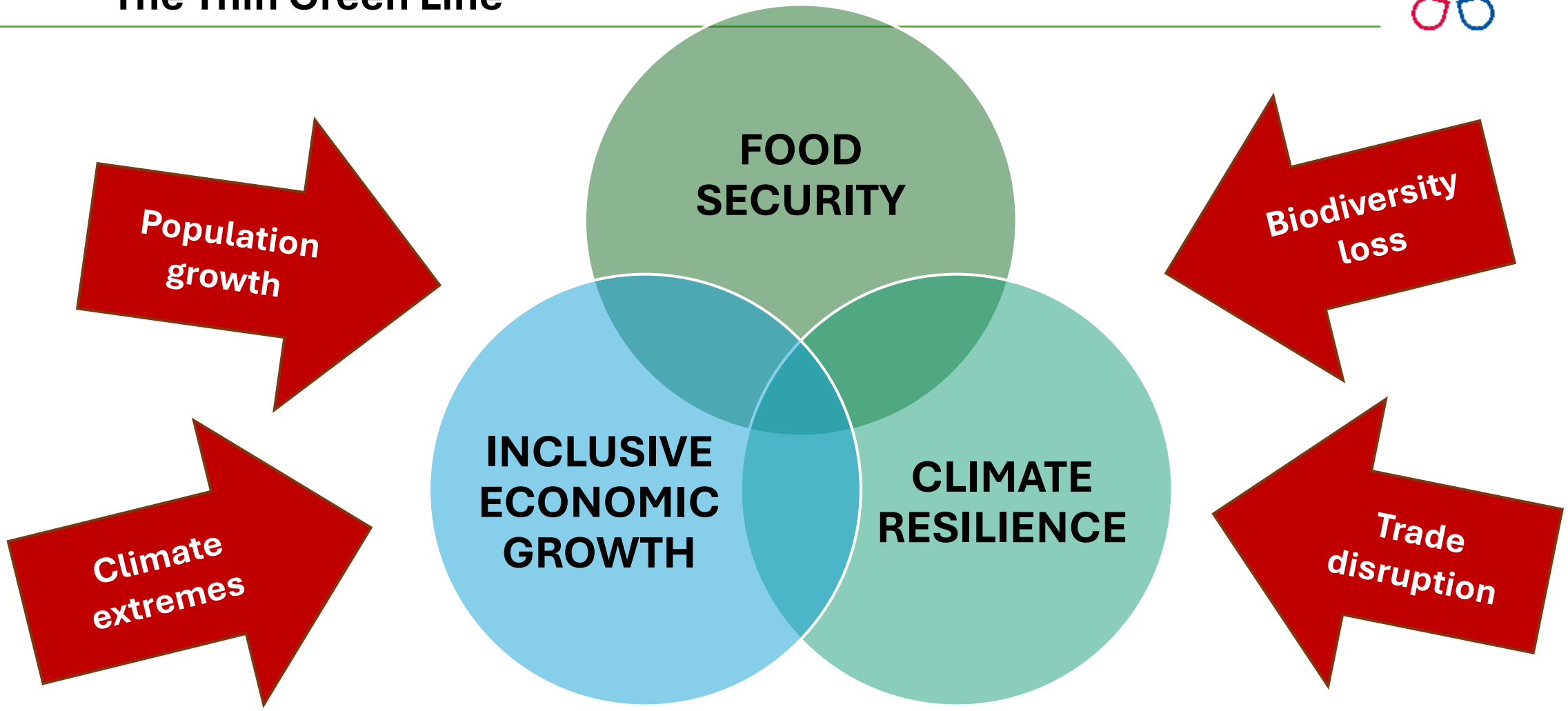




Source: ABARES 2023

The Thin Green Line



Sustainable supply chains are critical for trusted trade & agricultural resilience

The Thin Green Line

- Shared values: the role of frameworks
- Collaborative research & capacity building
- Industry ownership through RD&E investment
- Place-based ecosystem management

NRM REGIONS AUSTRALIA

SOiL CRC
Performance through collaboration

foodagility

The Thin Green Line

- Shared values: the role of frameworks
- Collaborative research & capacity building
- Industry ownership through RD&E investment
- **Place-based ecosystem management**

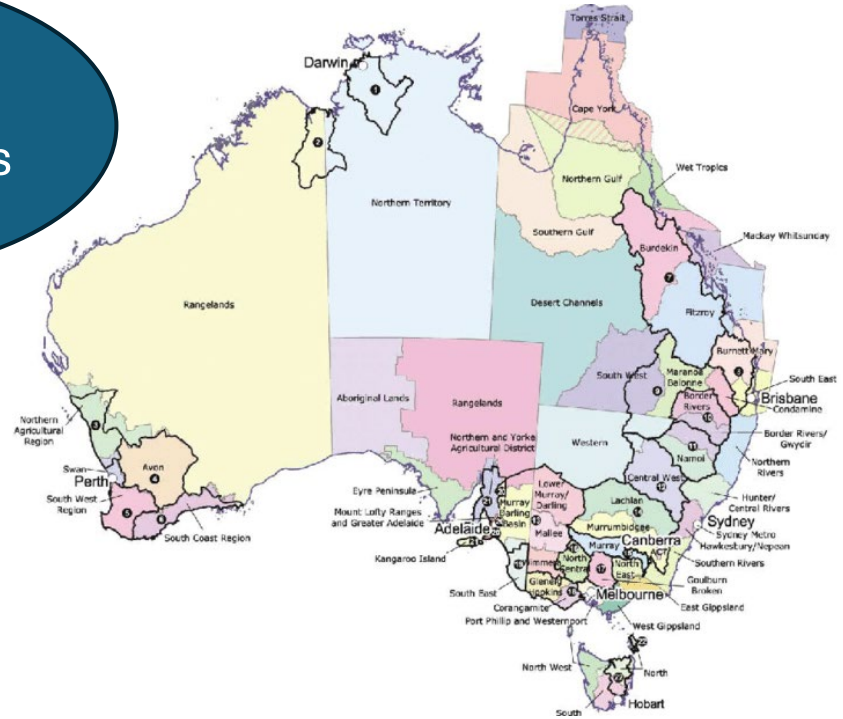
54 regional organisations

Co-investment

Trusted intermediaries

Place-based models

Ecological boundaries



The Thin Green Line

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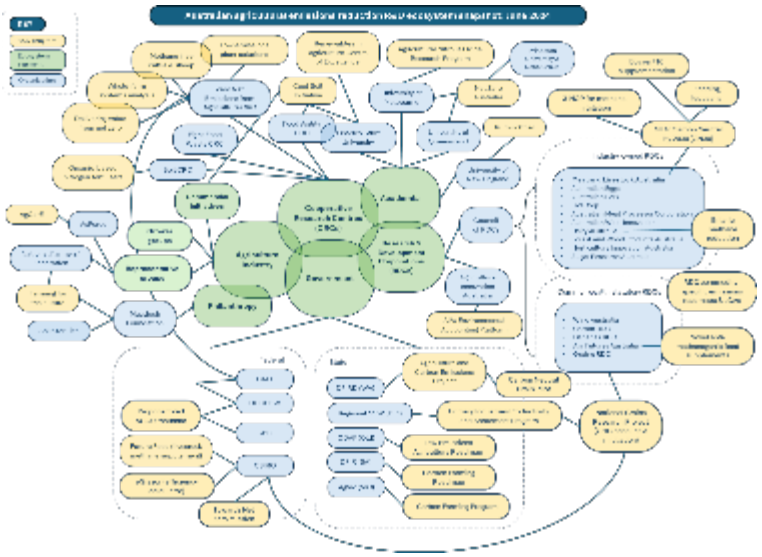
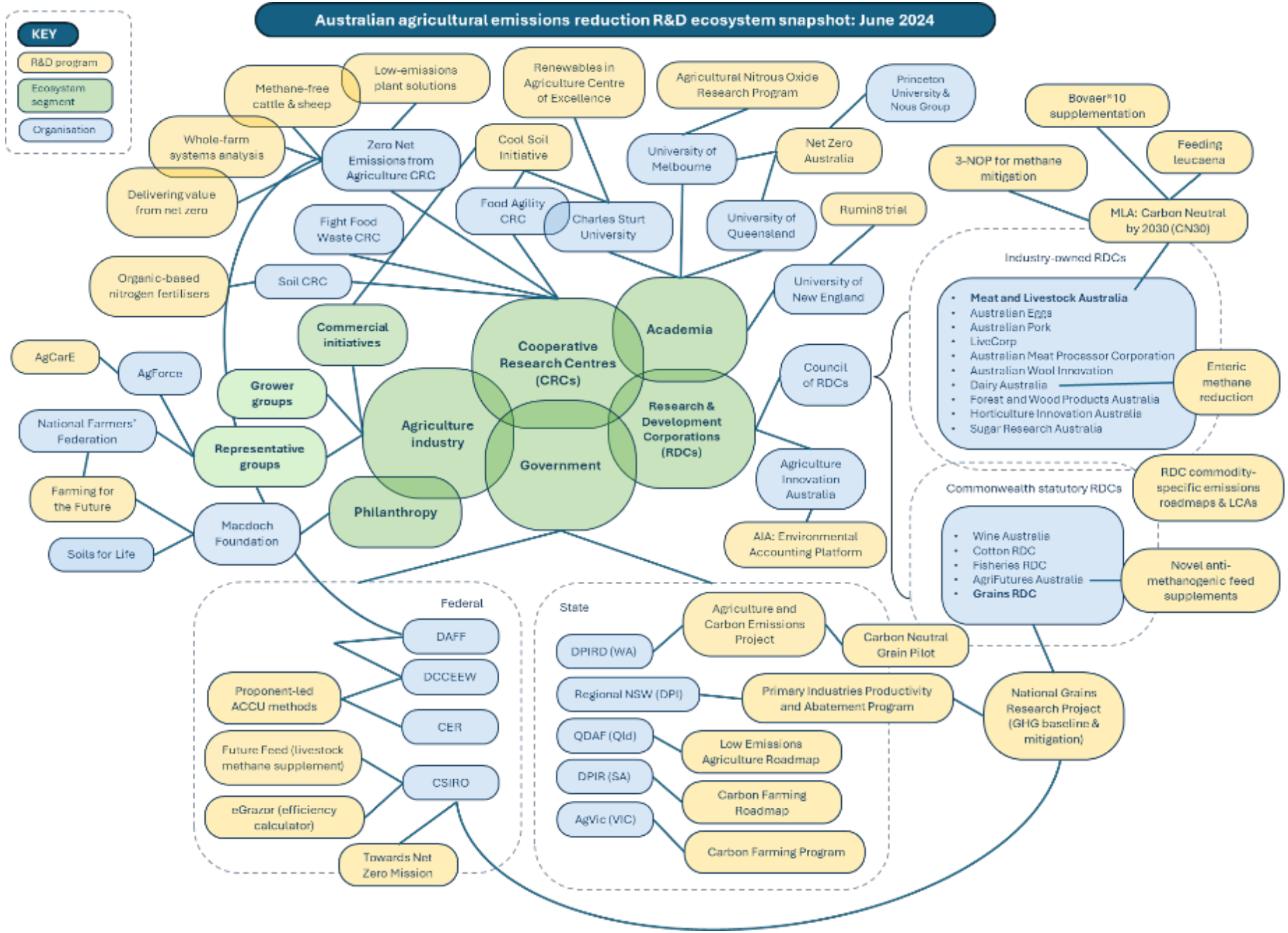
- **Collaborative research & capacity building**
- **Industry ownership through RD&E investment**
- Place-based ecosystem management




Australian agricultural emissions reduction R&D ecosystem snapshot: June 2024
KEY
R&D program
Ecosystem segment
Organisation
Methane-free cattle & sheep
Low-emissions plant solutions
Renewables in Agriculture Centre of Excellence
Agricultural Nitrous Oxide Research Program
Princeton University & Nous Group
Bovaer*10 supplementation
Feeding leucaena
Whole-farm systems analysis
Zero Net Emissions from Agriculture CRC
Cool Soil Initiative
University of Melbourne
Net Zero Australia
3-NOP for methane mitigation
Delivering value from net zero
Food Agility CRC
Charles Sturt University
University of Queensland
Rumin8 trial
MLA: Carbon Neutral by 2030 (CN30)
Fight Food Waste CRC
Organic-based nitrogen fertilisers
Soil CRC
University of New England
Industry-owned RDCs
Commercial initiatives
Academia
Cooperative Research Centres (CRCs)
Meat and Livestock Australia
Australian Eggs
Australian Pork
LiveCorp
Australian Meat Processor Corporation
Australian Wool Innovation
Dairy Australia
Forest and Wood Products Australia
Horticulture Innovation Australia
Sugar Research Australia
Enteric methane reduction
AgCarE
AgForce
Grower groups
Agriculture industry
Government
Research & Development Corporations (RDCs)
Council of RDCs
National Farmers' Federation
Representative groups
Agriculture Innovation Australia
RDC commodity-specific emissions roadmaps & LCAs
Farming for the Future
Philanthropy
AIA: Environmental Accounting Platform
Commonwealth statutory RDCs
Macdoch Foundation
Wine Australia
Cotton RDC
Fisheries RDC
AgriFutures Australia
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Novel anti-methanogenic feed supplements
Soils for Life
Federal
State
DAFF
DPIRD (WA)
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Carbon Neutral Grain Pilot
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Proponent-led ACCU methods
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QDAF (Qld)
Low Emissions Agriculture Roadmap
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CSIRO
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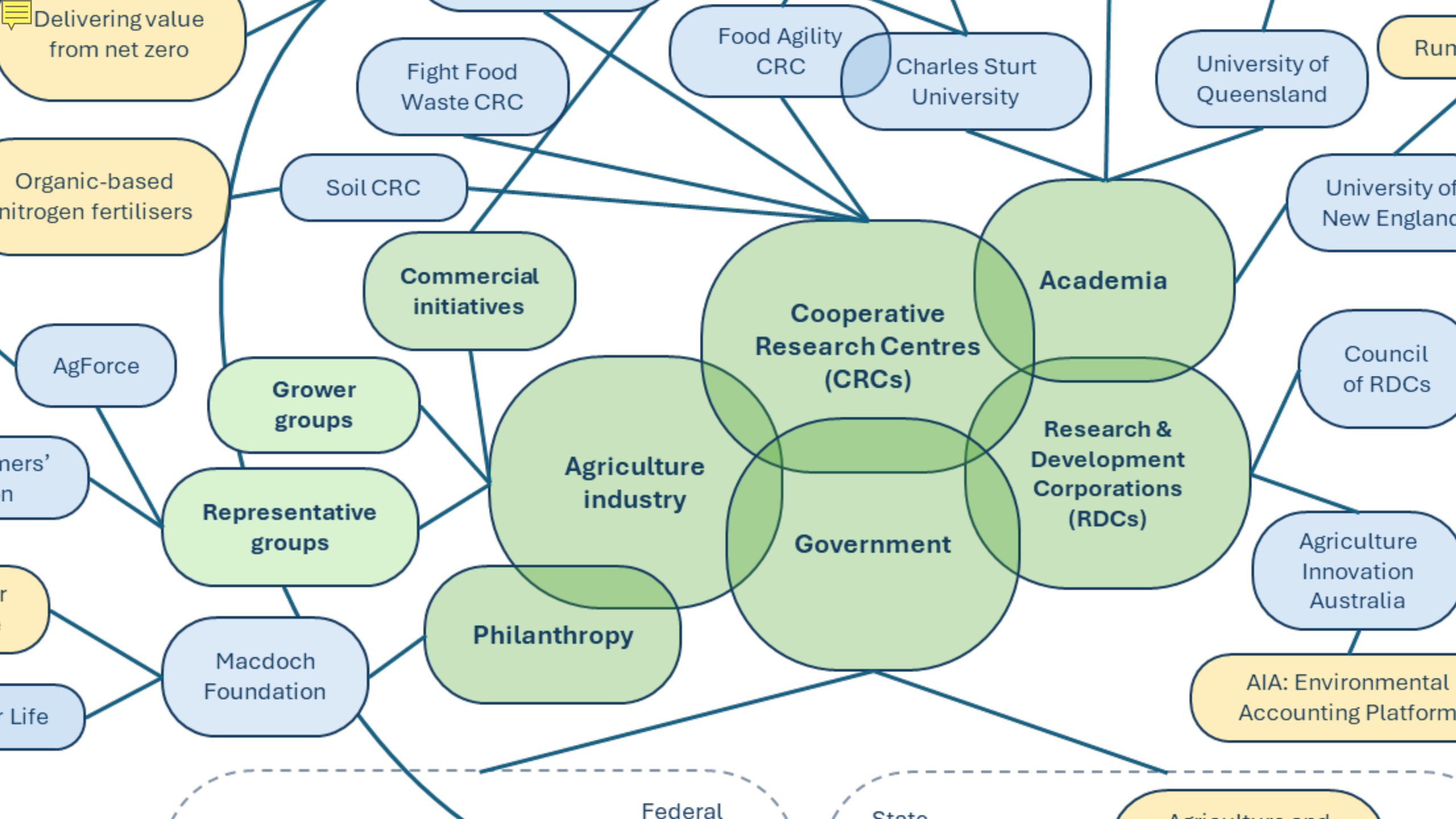
Carbon Farming Program
Towards Net Zero Mission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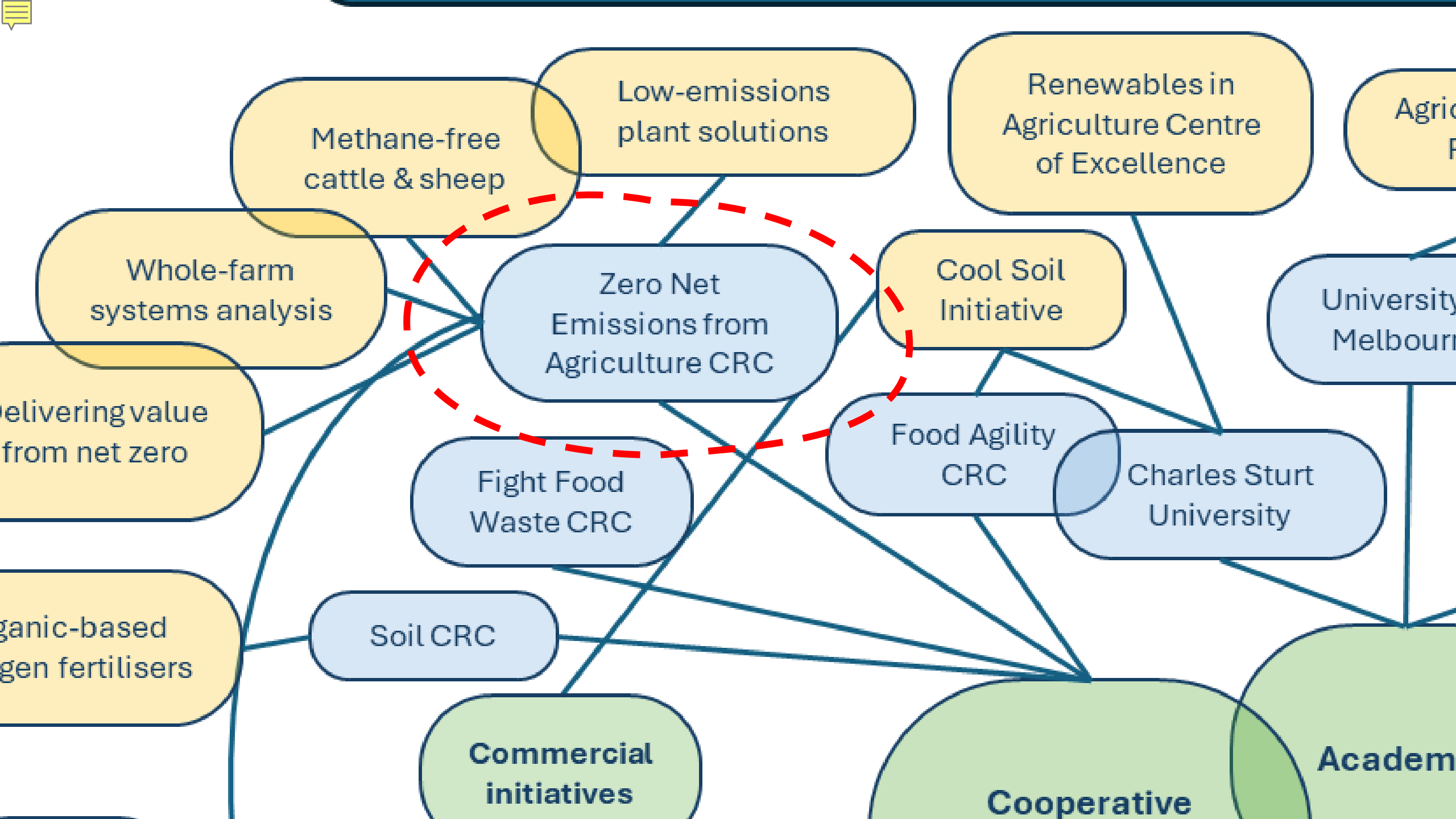
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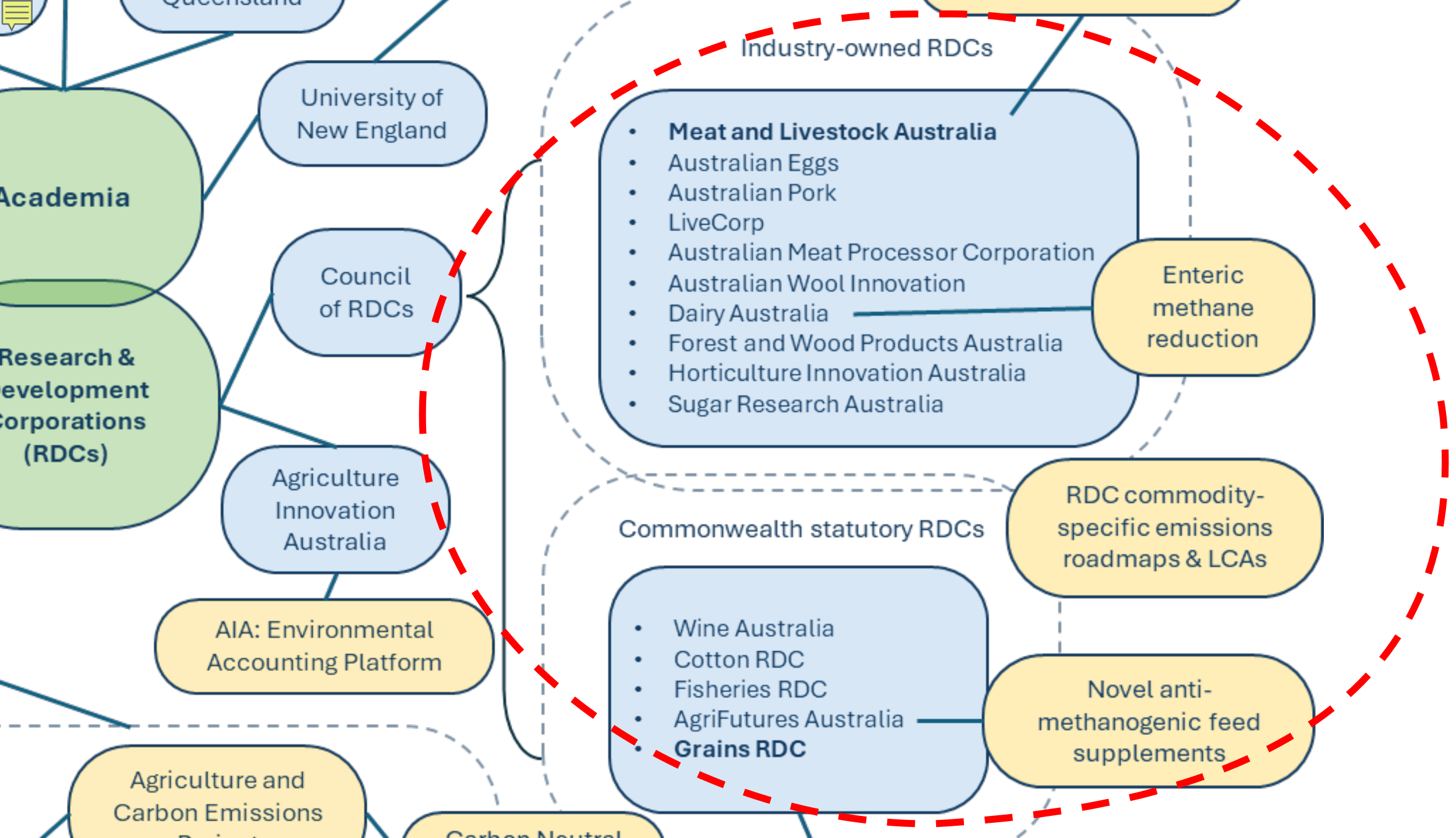
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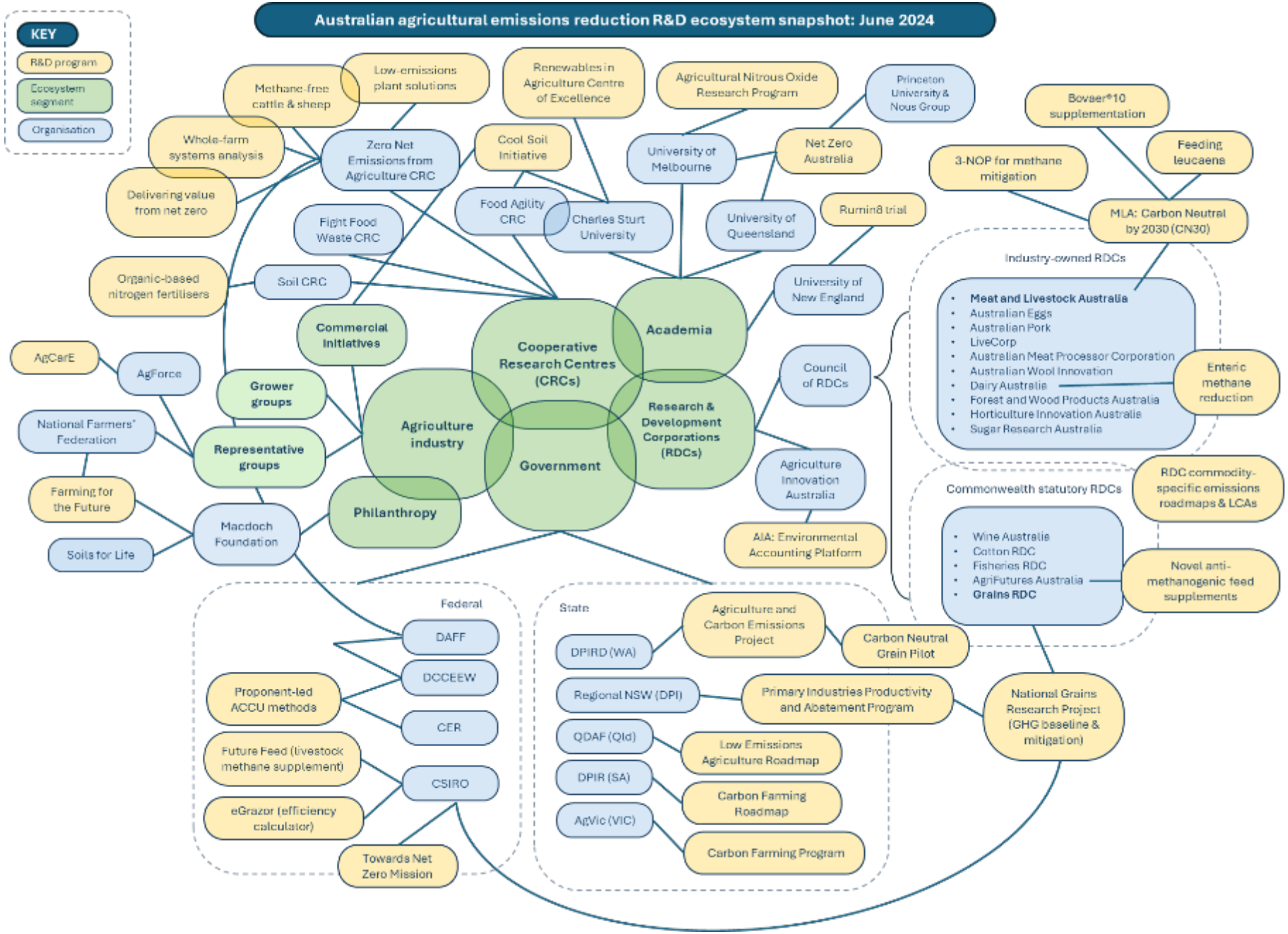
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•Shared values: the role of frameworks

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AUSTRALIAN COTTON SUSTAINABILITY FRAMEWORK
PLANET. PEOPLE. PADDOCK.

APEC Asia-Pacific Economic Cooperation

Principles for Achieving Food Security Through Sustainable Agri-food Systems in the APEC Region

1. Promote sustainable, resilient agri food systems that **support food security, environmental stewardship, maintain livelihoods, and result in social benefits** for current and future generations.
2. Promote policies that are responsive to the inherent **uniqueness of circumstances** in which they are applied to advance sustainability and resilience in differing agri food systems.
3. Promote the transition of APEC agri food systems towards sustainability and resilience through policy and regulatory decision making that reflect **applicable international agreements and accepted standards.**
4. Promote the role of the multilateral trading system and **transparent, predictable, open, and fair markets** in regional and global food security.

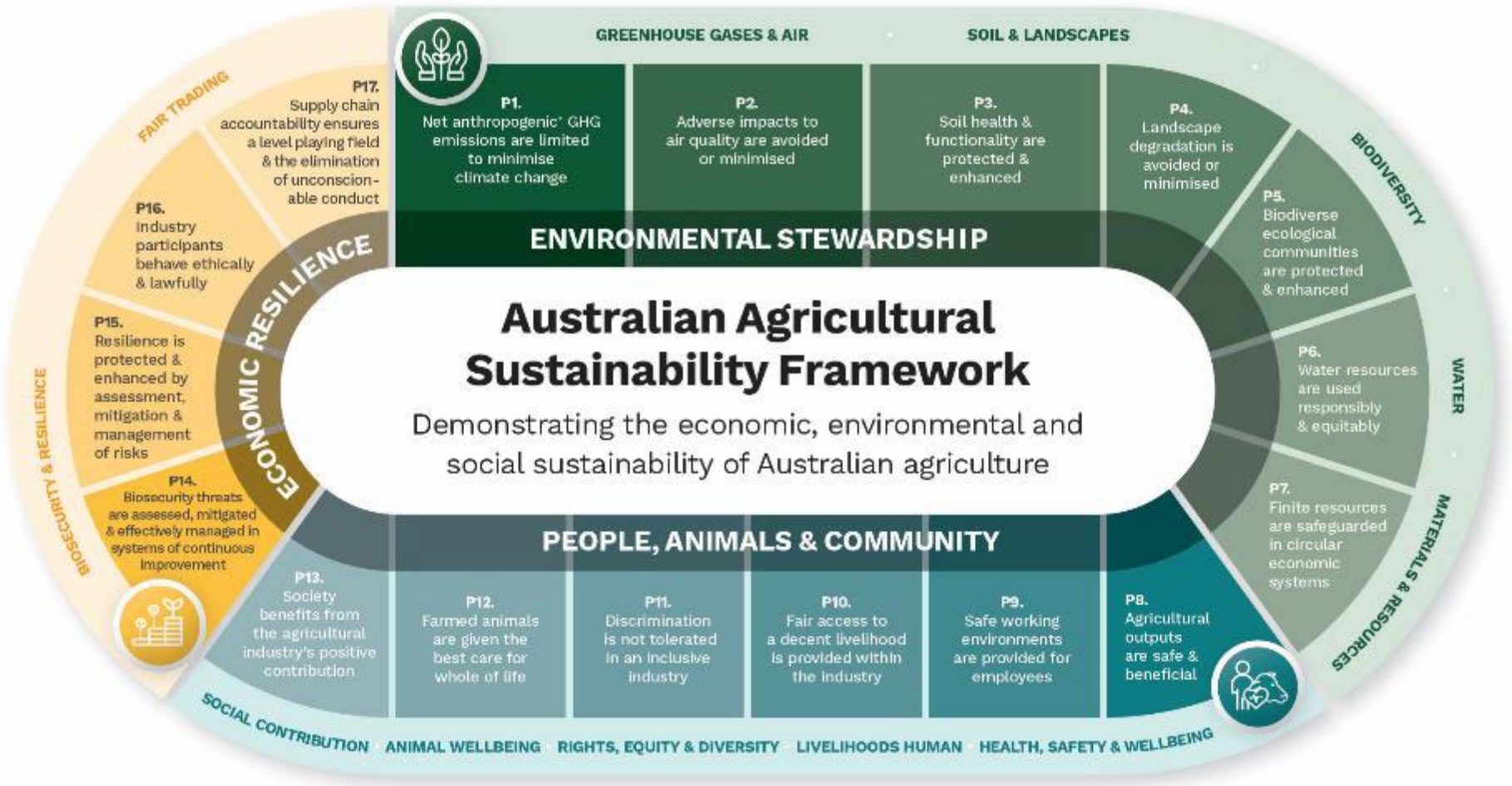
AUSTRALIAN-GROWN HORTICULTURE SUSTAINABILITY FRAMEWORK

SHEEP SUSTAINABILITY FRAMEWORK

Australian Beef Sustainability Framework

Australian Dairy Sustainability Framework

SUSTAINABLE WINEGROWING AUSTRALIA · CERTIFIED ·


GREENHOUSE GASES & AIR
SOIL & LANDSCAPES
P1. Net anthropogenic' GHG emissions are limited to minimise climate change
P2. Adverse impacts to air quality are avoided or minimised
P3. Soil health & functionality are protected & enhanced
P4. Landscape degradation is avoided or minimised
ENVIRONMENTAL STEWARDSHIP
BIODIVERSITY
P5. Biodiverse ecological communities are protected & enhanced
WATER
P6. Water resources are used responsibly & equitably
MATERIALS & RESOURCES
P7. Finite resources are safeguarded in circular economic systems
P8. Agricultural outputs are safe & beneficial
PEOPLE, ANIMALS & COMMUNITY
P9. Safe working environments are provided for employees
P10. Fair access to a decent livelihood is provided within the industry
P11. Discrimination is not tolerated in an inclusive industry
P12. Farmed animals are given the best care for whole of life
P13. Society benefits from the agricultural industry's positive contribution
SOCIAL CONTRIBUTION
ANIMAL WELLBEING
RIGHTS, EQUITY & DIVERSITY
LIVELIHOODS HUMAN
HEALTH, SAFETY & WELLBEING
BIOSECURITY & RESILIENCE
P14. Biosecurity threats are assessed, mitigated & effectively managed in systems of continuous improvement
P15. Resilience is protected & enhanced by assessment, mitigation & management of risks
ECONOMIC RESILIENCE
P16. Industry participants behave ethically & lawfully
FAIR TRADING
P17. Supply chain accountability ensures a level playing field & the elimination of unconscion-able conduct
Australian Agricultural Sustainability Framework
Demonstrating the economic, environmental and social sustainability of Australian agriculture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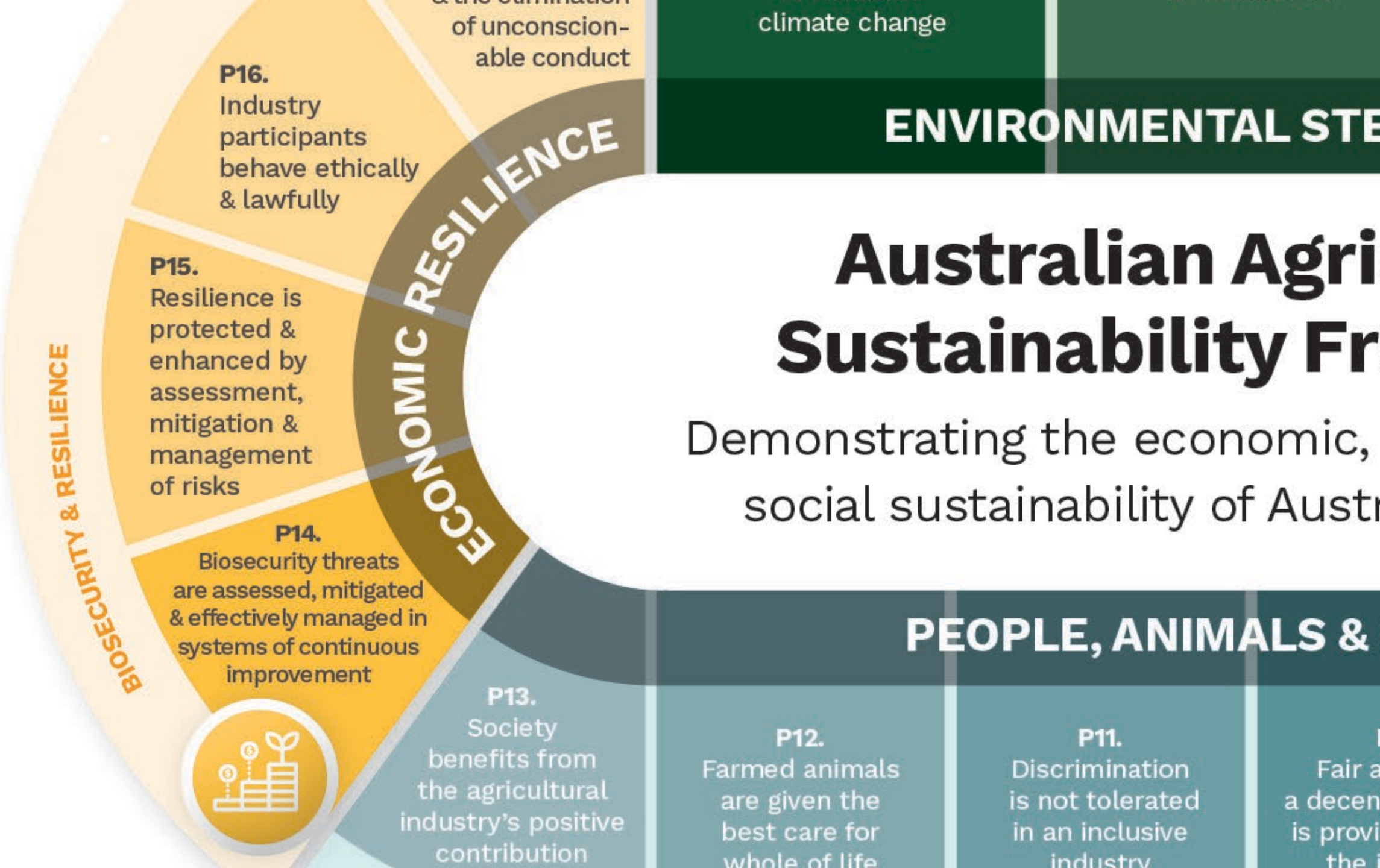
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The Thin Green Line

Asia-Pacific Economic Cooperation

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3. Promote the transition of APEC agri-food systems towards sustainability and resilience through policy and regulatory decision-making that reflect **applicable international agreements and accepted standards**.

4. Promote the role of the multilateral trading system and **transparent, predictable, open, and fair markets** in regional and global food security.

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"We need agricultural policies that keep markets open for trade and encourage technology and innovation, which is essential for sustainable growth. So together, we can come behind a common set of principles and take action to build these more sustainable, equitable, and resilient food systems."

"When environmental measures are poorly designed, they can increase costs, destabilize markets, and affect global food security, potentially undermining efforts to mitigate climate change."

"The key is to avoid being overly prescriptive. If we implement excessively rigid measures in the name of sustainability, we risk limiting the flexibility farmers need in each country, region, and individual farm to address their specific economic and environmental challenges."

GFFPI
GLOBAL FORUM FOR FARM POLICY AND INNOVATION

Free trade

Avoiding perverse outcomes

Shared principles

Sharing knowledge

Many paths, one goal

The Thin Green Line