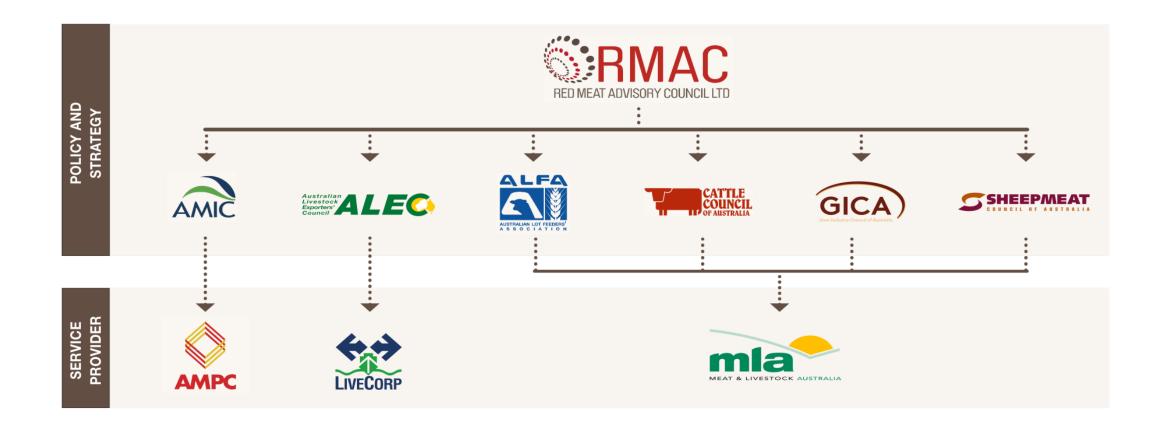


# **Industry structure**





### **MLA's structure**





MDC accelerates innovation in the red meat industry by attracting co-investment from individual enterprises and matching this with Australian Government funding



- National Livestock Identification System
- Livestock Production Assurance
- NVD / eNVD
- Livestock Data Link
- Big data

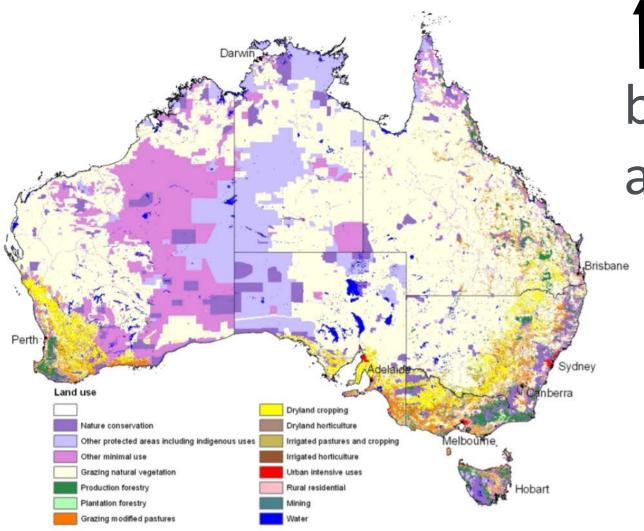


## MLA's Strategic Plan 2016-2020

Pillar 3 6 Productivity and **Leadership and** Market **Supply chain** Stakeholder Consumer and efficiency and profitability collaborative community growth and engagement diversification support integrity culture Outcome The community Increased returns Productivity gains ndustry participants Improved access to Industry participants continues to support markets, with through the value through the value are confident in are confident that and trust the chain from the ndustry leadership the levy investment is marketing programs chain, with Australia red meat and value creating adoption of tools and apability delivering value participants and customers confident technologies and livestock innovation driving industry, with increased consumer in product quality, industry practices in and customer pricing and integrity step with community preference and systems expectations premiums for Australian red meat



## **Soil Carbon**



f soil carbon = better soil, plant & animal health



## **Soil Carbon**

Grasslands and savannahs have the potential to act as upside down forests – storing carbon in the landscape.

#### Challenge

Permanence – proving the carbon is stored in the soil 'permanently' so producers can be paid for soil carbon credits

Cost effective soil carbon measurement technology – so producers can baseline soil carbon levels and then verify increase after undertaking soil carbon project activity

#### **Opportunities for producers**

Soil carbon methodology in the Australian Gov's Emissions Reduction Fund

Soil carbon balances to better understand soil carbon potential and permanency



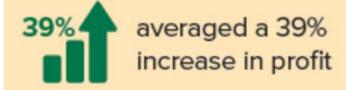
## **Profitable Grazing Systems**

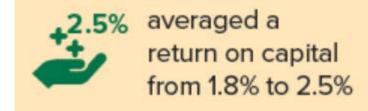
 A producer upskilling program based on <u>supported learning</u> (coaching)

 Producers & deliverers collaborate to decide on topic & structure of their learning activities

Soon to be >400 producers involved









PGS helps deliver effect positive practice change for livestock producers



# **Curriculum approach**

- Business and Finance
- People
- Feedbase
- Reproduction & genetics
- Value Chain

"Having access to a coach made me feel more confident about implementing the practices because I could ring the coach with any questions or run my ideas of how I intended to implement changes in my own situation and business, and had access their knowledge, experience and support". Laura Hoare, NT.



- Develop and own training packages
- Off-the-shelf





### PGS SLP's



Pasture Principles Grazing Matcher



Lifting Lamb Survival Benchmarking for Profit Heifers for Profit



Business



People



Value Chain

Business Principles Farming Smarter Grazing Matcher

Power of Engagement Practical Leader





your pathway to success

PGS – regionally responsive.

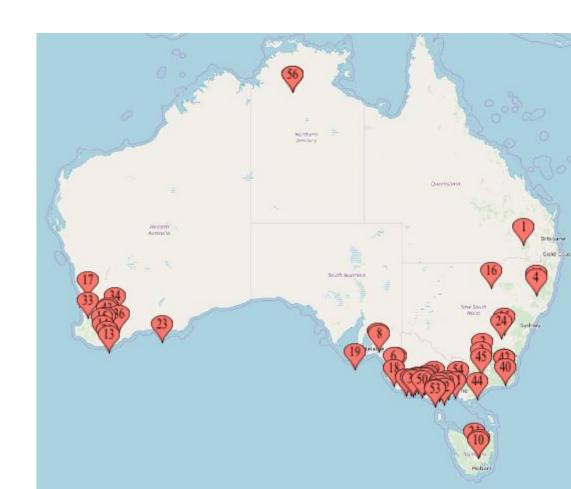


## **Producer Demonstration Site Program 2020-25**

• Current framework 2015-20, successful

- Industry feedback
  - Strong demand for the program
  - Framework too rigid

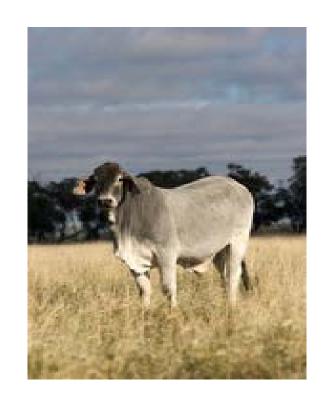
- Opportunity for enhancement
  - Flexibility
  - Support
  - Co investment



### Framework

The PDS program streams:

- 1. Levy PDS Projects
- 2. Co-Contributor PDS Projects
- 3. Integrated R&D PDS Projects







# **The Value Proposition**

1 kg

increase in beef carcass weight =

\$100 million pa

1%

increase in cattle weaning rate =

\$50 million pa

**Better** 

market specification and compliance =

\$51 million pa

The on-farm sector needs to lift productivity to around 2.5%pa to remain competitive. Improving onfarm efficiency is a major imperative. Key drivers of productivity are

- 1. nutrient supply
- 2. efficient conversion of feed to quality meat product
- 3. application of smart labour and tools.



Small improvements at a property level have significant positive industry impact



## **Become a member of MLA**

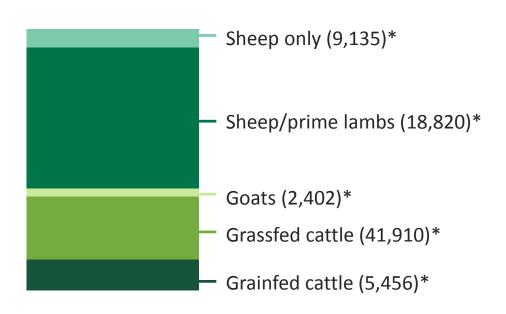
#### MLA members receive:

- Feedback magazine stories on your industry in your letterbox five times a year
- weekly e-newsletter Friday Feedback
- weekly e-newsletter Prices & Markets
- have your say...vote at MLA's Annual General Meeting
- invitations to events throughout Australia





# MLA membership – be involved, have your say



#### **TOTAL MEMBERS 49,692**





<sup>\*</sup>Includes members with mixed enterprises

# Thank you – any questions?



## **Potential pathways**



Improved productivity



Expanded use of dung beetles



Savannah fire management in northern Australia



Feed supplements



Expanded use of legumes



Lotfeeding



Vegetation managment



Potential vaccine



Genetic selection













Profitable Grazing Systems your pathway to success			11 11 11 11 11 11 11 11 11 11 11 11 11								11 11 11			
	Feedbase		Repro & Genetics				Business		People		Value Chain			
<b>PGS Curriculum Links</b>	North	South	Nth Beef	Sth Beef	Sheep	Goats	North	South	North	South	Sheep	Nth Beef	Sth Beef	Goat
Grazing Matcher		X												
Pasture Principles		X					X							
Soils		X												
Diverse Feed		X												
Mixed Grazing		X												
Lifting Lamb					X			X						
Improve Ewe Lamb		X			Х			X						
Heifers Profit				Х				X						
Business Skills								X	X					
Farm Smarter								X	X					
Benchmark	X				Х			X						
Right Mind							X	X	X	X				
Practical Leader							X	X	X	X				
Off-the-shelf	Х	X	X	X		Х	X	X	Х	X	X			X



## Implementation actions

#### Implement now

#### **Productivity improvements:**

- Animal genetics
- Feedbase pastures & legumes
- Soil health

#### Balance of vegetation

- Shelterbelts for animal productivity & carbon capture
- Retaining remnant vegetation
- Revegetating where it makes sense to do so

#### **Emissions Reduction Fund methods**

- Savannah fire management
- Herd management
- Soil carbon
- Vegetation management

#### To commercialise

- Feed additives e.g. Red Asparagopsis seaweed in partnership with CSIRO
- Legumes e.g. Desmanthus

#### **Further R&D**

- Measuring GHG emissions on-farm
- Soil carbon sequestration & measurement
- Methane inhibiting compounds
- New pastures/ legumes
- Optimising balance of tree & grass cover
- New ERF methodologies

#### **Develop markets**

- Valuing ecosystems services to increase investment in sustainable agricultural enterprises.
- Verification of red meat products as carbon neutral





## Progress since baseline year

The red meat industry contributes around 10% of Australia's total GHG emissions – predominantly enteric methane emissions from cattle, sheep and goats.

Annual emissions since the 2005 baseline year were 129.3 million tonnes of CO2 equivalent emissions, and reduced 54.8 Mt CO2e in 2016 (57.6% reduction).

57.6% **GHG** Reduction

between 2005-2016

#### How will neutrality be measured?

By 2030 the National Greenhouse Gas Inventory reports:

GHG emissions — Emissions captured and/or offset ——



0 tonnes CO2e





### What is CN30?

In 2017 the red meat industry set an aspirational target to be carbon neutral by 2030 to:

- Strengthen our reputation as global leaders in sustainable production and turn environmental criticism of the industry on its head.
- Create new revenue streams and productivity benefits through carbon farming and unlock >\$300M p.a. for the Australian red meat industry by optimising the carbon cycle to improve drought resilience and farm-gate profitability.
- Provide climate change mitigation & adaptation options for industry.

Scope includes enteric fermentation, manure, ag soils, land use change, processing, cropland producing grain for feedlots





# What is the Beef Sustainability framework?

- Our vision: A thriving Australian beef industry that strives to continuously improve the wellbeing of people, animals and the environment.
- Our definition of sustainability: Sustainability is the production of beef in a manner this socially, environmentally and economically responsible. We do this through the care of natural resources, people and community, the health and welfare of animals, and the drive for continuous improvement.





### **HOW IS THE FRAMEWORK USED?**

Advise industry where investment in research, development & adoption is required to deliver continual improvement



Foster constructive relationships with stakeholders to work collaboratively on continuous improvement



Help protect & grow access to investment and finance by providing evidence of performance & a clear path to continuous improvement

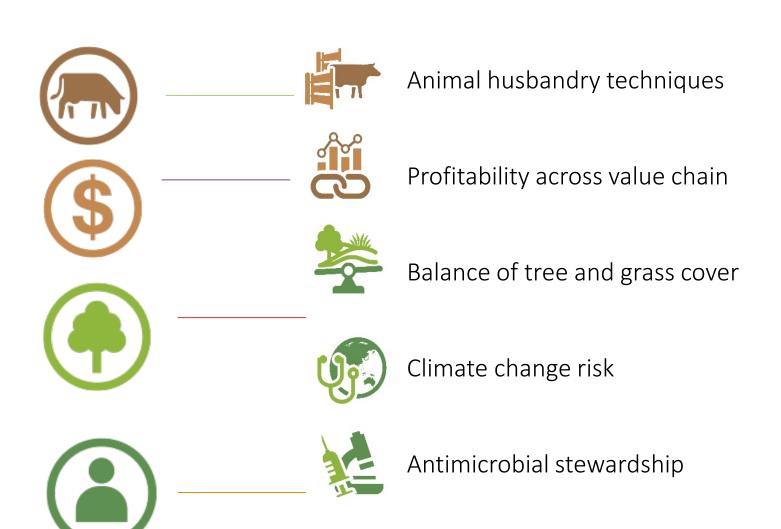


Promote our industry to the community & customers





# 6 key priority areas





Health and safety of people in the industry

