



September 22 2016

The Dairy Sustainability Framework

The DSF is the GDAA program for aligning and connecting sustainability initiatives to demonstrate leadership and progress globally

A collaborative approach to sustainability in the global dairy value chain

Dairy in Context!

- One of the most produced and traded ag commodities
- Cows – important asset
- Dairy animals support livelihoods – Food and cash!
- Dairy – key to nutrition and health
- Dairy sector creates jobs

2009 – Global Dairy agenda for Action



- Commitment to emissions
- Supported by a activity – Over examples of

The sector has from a single issue approach to address the sustainability challenge on a quantified continuous improvement basis

What are we trying to do?

Align

- **Align** global ambition to regional activity on key sustainability issues in a coherent way

Connect

- **Map and Connect** existing activity addressing regional priorities, allowing for cross-fertilization

Progress

- Reveal opportunities to **develop new or progress existing activity** to improve performance

Greenhouse Gas Emissions from the Dairy Sector

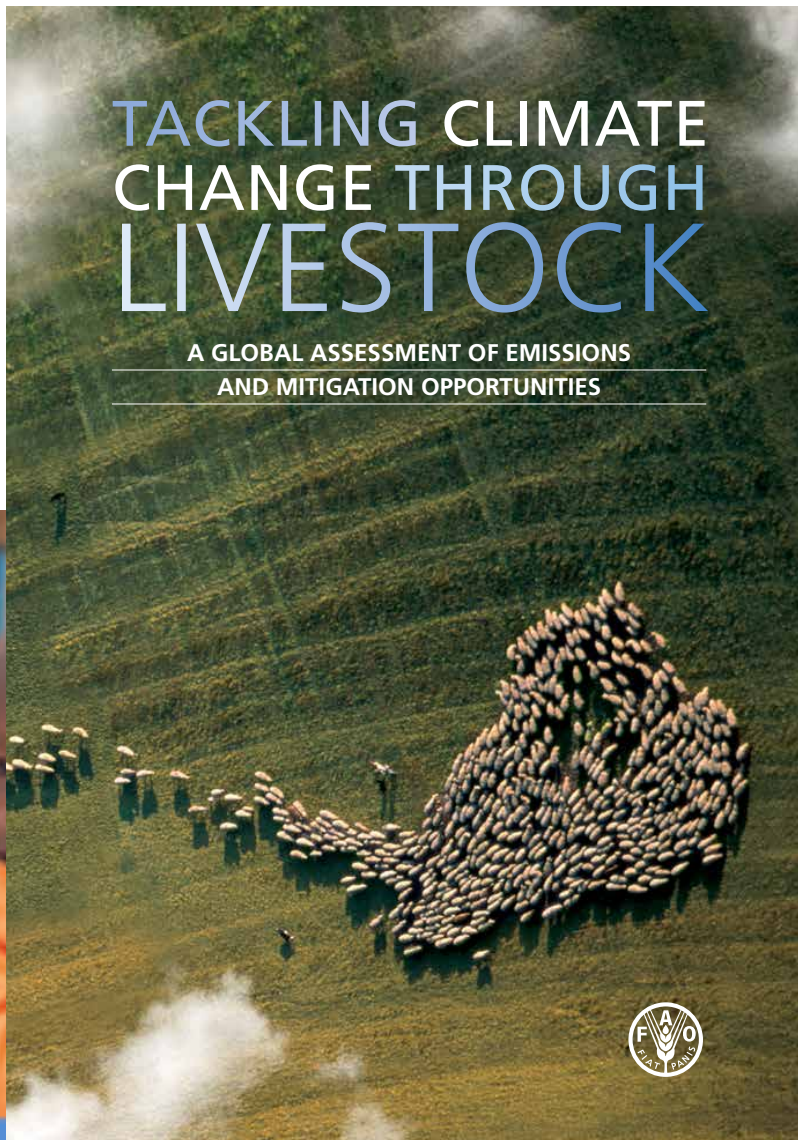
A Life Cycle Assessment



Milk and dairy products in human nutrition

TACKLING CLIMATE CHANGE THROUGH LIVESTOCK

A GLOBAL ASSESSMENT OF EMISSIONS AND MITIGATION OPPORTUNITIES



A journey not a destination!

One we are all travelling together!



DSF membership

Implementing Members

- ***Those who can implement initiatives to address the Criteria and Strategic Intents, e.g. farming groups, dairy manufacturers. This category requires the member to commit to an annual reporting process to the Secretariat of the DSF.***

Affiliate Members

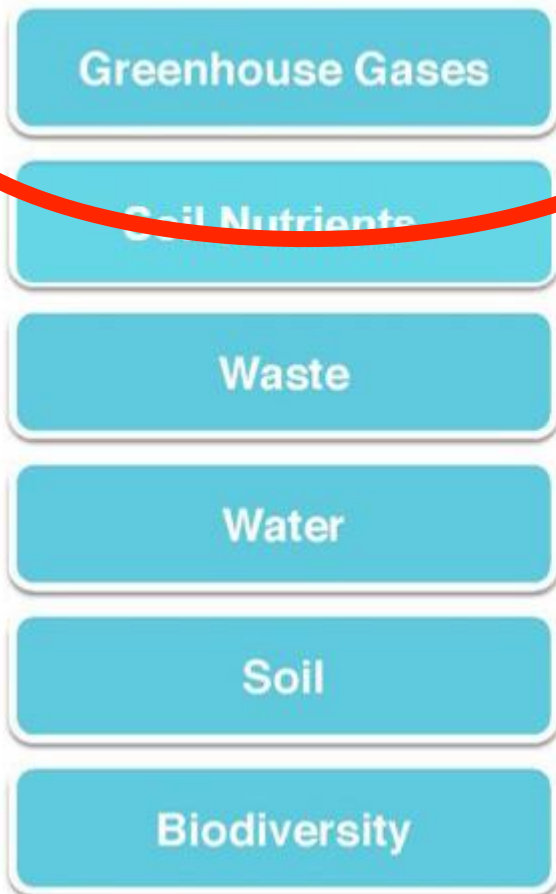
- ***Those close to, or part of, the sector who are able to endorse the Criteria and Strategic Intents, though not in a position to directly implement sustainability initiatives e.g. research organizations. Sometimes this may even be a sector member just starting their sustainability journey and are supportive while they become organized to progress to Implementing member status.***

Aggregating members?

- ***Members collaborating on a 'local' programme and are able to report aggregated progress through one coordinating body.***

Criteria and Strategic Intents

To provide the required alignment



Strategic Intent:

*GHG emissions across the value chain are **quantified** and **reduced** through all **economically viable** mechanisms*

Local Management Structure



Reporting – Time to get it right!



Members Progress Reporting

- Implementing Members only
- Affiliates can provide should they wish
- Annual report detailing:
 - Progress against agreed KPI's/Targets
 - Plan, do check reviews and changes
 - New initiatives
 - New priorities
- 'Validation' from the management Group
- DSF Support to those who are struggling
- Shared with other members

Support and Inclusion



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Implementation Guide to delivering the Dairy Sustainability Framework

A support document for members

Indicators of progress

- Introducing this year...
- GHG metric – Methodology (updated 2015)
- Animal Care... *Somatic Cell Count*
- ***Five to be launched in 2017***



A Sustainable Development Framework for Livestock

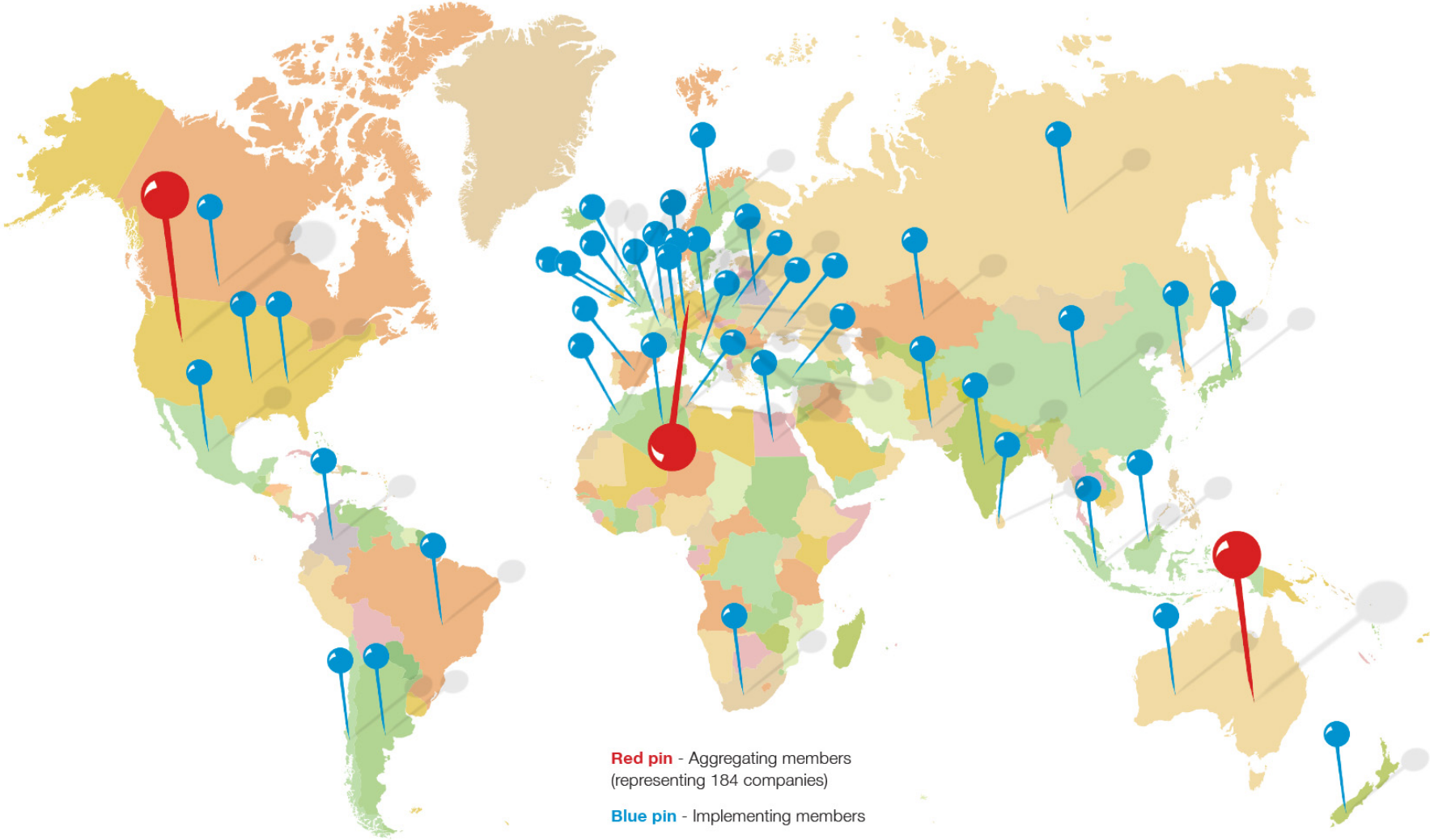


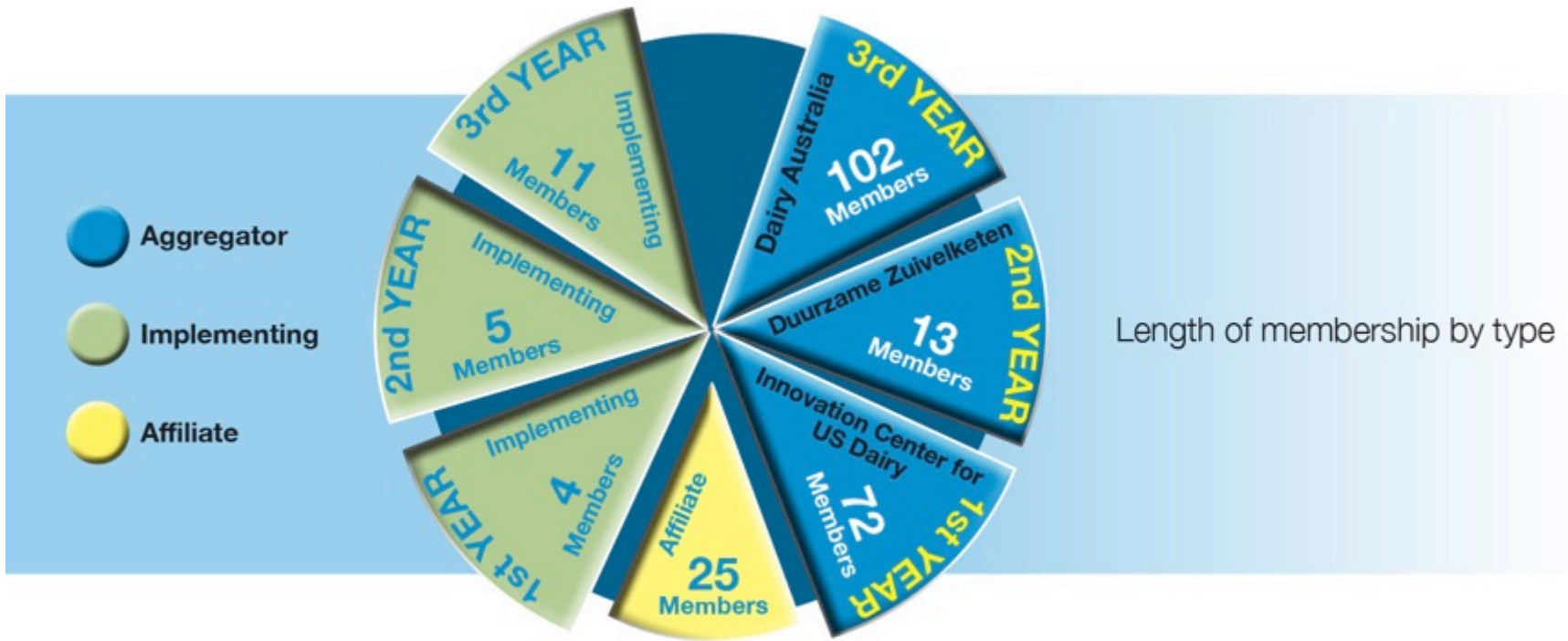
Advisory Council

- Amercian Humane Association
- ASDA/Walmart
- FAO
- Solidaridad
- WWF - *observer*
- Rabobank
- Global Round Table for Sustainable Beef
- World Bank
- OXFAM
- GFAR



Locations of our Aggregating and Implementing Members and their operations of the DSF





Implementing and Affiliate Member Breakdown

Retail	2
Milk Processing	18
Research	6
Farming	1
Associations	21
Farm suppliers	2
Banking	1
Packaging	1

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Initiatives Registered



GHG Emissions - 51



Soil Nutrients - 15



Waste - 17



Water - 18



Soil - 7



Biodiversity -16



Market Development - 15



Rural Economies - 7



Working Conditions - 9



Product Safety and Quality - 20



Animal Care - 17



Updated statistics over the past 12 months (from the 2014 report) shows the DSF is already connecting with:



30.8 million Cows

up 
42%



3700 Processing plants

up 
78%



662,000 Farmers

up 
15%



211 billion litres processed

up 
38%



658,000 Farms

up 
11%



27% of the global milk production

up 
10%



* Some farms may have multiple owners including family members

Members Activities



Waste

- Zero waste vision (2015 60% of sites achieved)
- 100% recyclable packaging by 2020 (2015 80%)
- Increase use of recycled packaging
- Reduce food waste by 50%
- Utilise processing waste for animal feed



Water

- Reduce water Use by 25% - 2008 baseline
- Water reclamation – Equivalent to potable
- Daily savings 90,000 gallons from towns supply!



GHG Emissions

- Since 2009 – Energy audits
- Energy savings equates to some 5693 M. T CO₂
- Lighting systems were a common area for saving

Members Activities



- Dairy Farming Institute – China
- Trained more than 850 farmers, 47 courses since 2014
- Students from 15 provinces

Rural Economies



- Rwanda
- Milk Zones – Pasteurized milk – Affordable price!
- 24 Kiosks – 136% ROI
- Demand outstripping supply

Product Safety and Quality



- Gender balance
- Equal opportunities
- Prevention of sexual harassment

Working Conditions

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Aggregator Membership



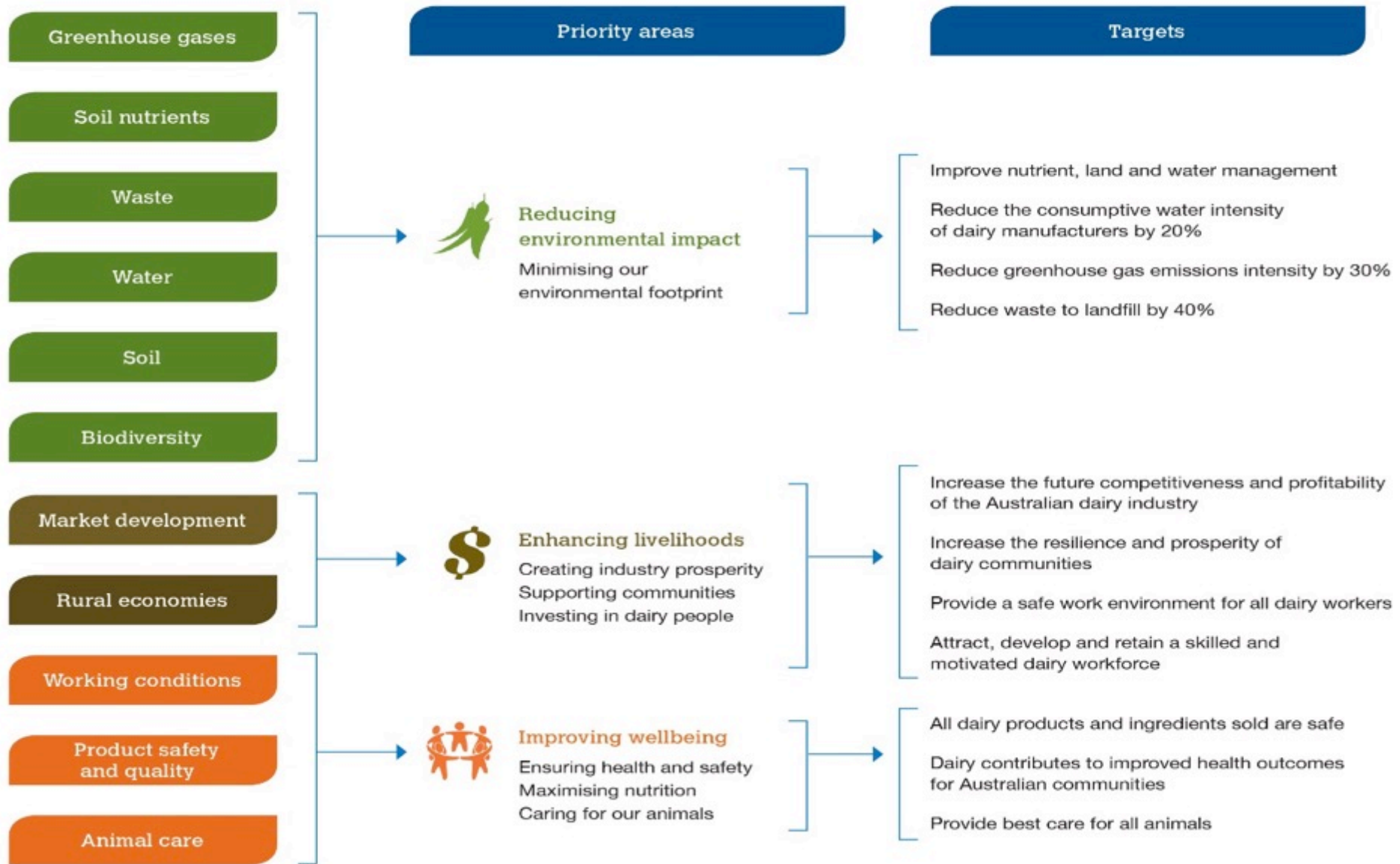
DUURZAME  ZUIVELKETEN

Development towards climate neutrality



in livestock health and welfare





A Sustainable Development Framework for Livestock

Align

Connect

Progress

Greenhouse gases

Soil nutrients

Waste

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Animal care



A Sustainable Development Framework

- A Framework versus Standards
- Continuous improvement versus Point in Time reporting
- Honest and transparent approach that recognizes we need to improve versus simply trying to convince everyone we are right
- A single inclusive Framework that allows the entire industry to participate versus multiple exclusive programs that try to define right and wrong - winners and losers
- A framework that will deliver global alignment, connection and progress across the whole value chain



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