

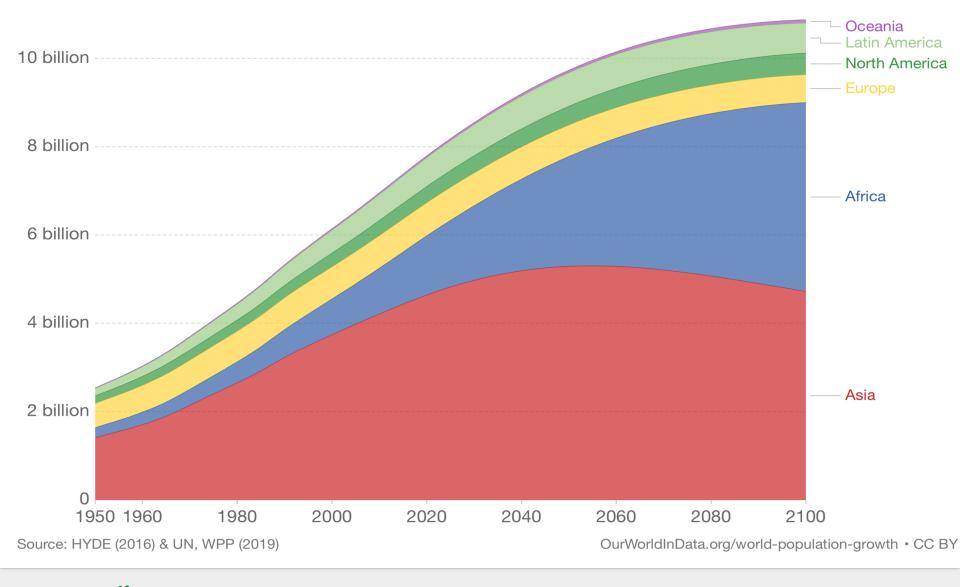


Projections from 2016 through to 2100 based on UN median estimates.

World population by region projected to 2100, 1950 to 2100





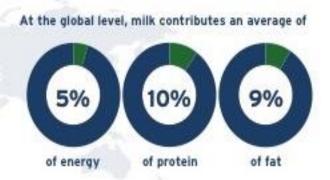




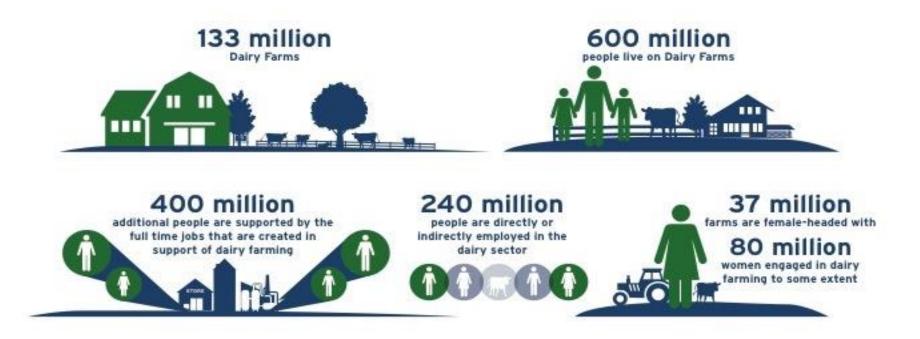
Retrato do setor de laticínios: Quem somos



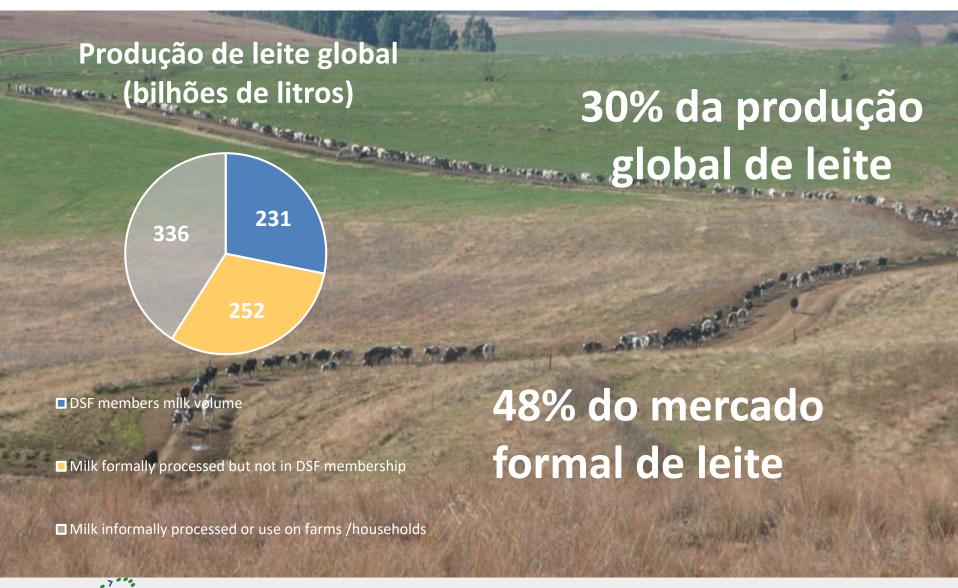




Retrato do setor de laticínios: Fazendas de gado leiteiro



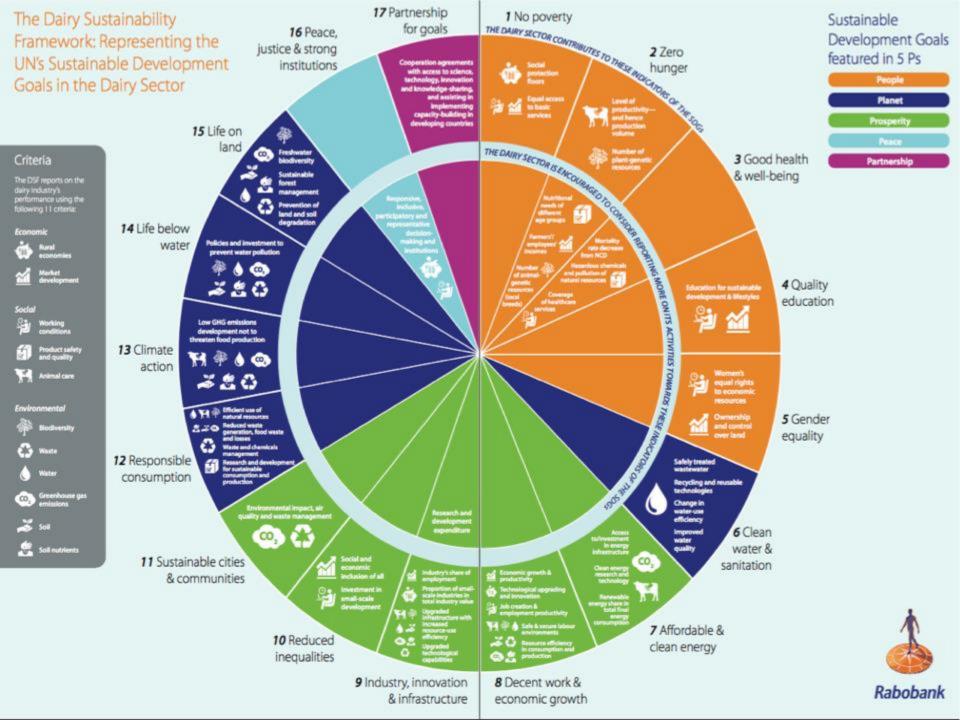
Comprovação do Impacto em Escala!





Uma Estrutura de Desenvolvimento Sustentável para fazendas de gado leiteiro





11 Critérios de Sustentabilidade



Greenhouse Gas Emissions

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



Soil

Soil quality and retention is proactively managed and enhanced to ensure optimal productivity.



Working Conditions

Across the dairy value chain, workers operate in a safe environment, and their rights are respected and promoted.



Soil Nutrients

Nutrient application is managed to minimize impacts on water and air, while maintaining and enhancing soil quality.



Biodiversity

Direct and indirect biodiversity risks and opportunities are understood, and strategies to maintain or enhance it are established.



Product Safety & Quality

The integrity and transparency of the dairy value chain is safeguarded, so as to ensure the optimal nutrition, quality, and safety of products.



Waste

Waste generation is minimized and, where unavoidable, waste is reused and recycled.



Market Development

Members along the dairy value chain are able to build economically viable businesses through the development of transparent and effective markets.



Animal Care

Dairy animals are treated with care, and are free from hunger and thirst, discomfort, pain, injury and disease, fear and distress, and are able to engage in relatively normal patterns of animal behavior.



Wate

Water availability, as well as water quality, is managed responsibly throughout the dairy value chain.



Rural Economies

The dairy sector contributes to the resilience and economic viability of farmers and rural communities.



Uma abordagem holística

FAO:

Ações sobre mudança climática NÃO devem acontecer às custas de acabar com a pobreza e atingir zero fome até 2030

Percent of DSF production prioritising each DSF criteria on their reporting through 2018

GHG Emissions	72%	Animal Care	93%
Soil Nutrients	63%	Waste	12%
▲ Soil Quality	52%	Market Development	12%
Water Availability & Quality	65%	Rural Economies	13%
Biodiversity	79%	Product Safety & Quality	27%
Working Conditions	57%	<u> </u>	



Construindo a narrativa com comprovações



Strong Action on Priorities

Compared to 2017 baselines, 2018 reporting shows considerable growth in members who are addressing priority criteria and implementing improvement plans to measure their progress.



Soil Nutrients

30% of Farms have Nutrient Management Plans



Soil Quality & Retention

20% of Farms have Soil Quality Management Plans



· Members report the number of

· Assumption: 1 plan per farm

farms they represent

Water Availabilty and Quantity-Farm

20% of Farms have Effluent Management Plans



Prioritizina

Working Conditions-Processing

82% of Plants have Facility Safety Plans



Biodiversity

3% of Farms have Biodiversity Plans



Working Conditions-Farm

4.8% of Farms have Farm Safety Plans



30% increase in milk production.

Dairy farming is becoming more efficient. Emissions per unit of product are falling but absolute emissions are rising.



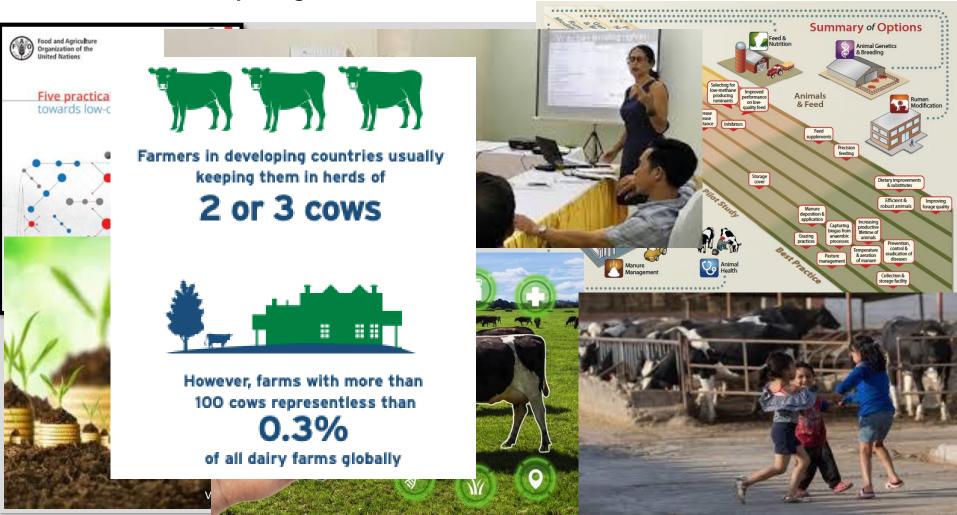
Due to increased demand for high quality nutrition, total GHG emissions from the dairy sector have increased by about 18%.



Emission intensity over the 10 years has reduced by 11% from 2.8 to 2.5 kg CO2 eq./kg FPCM.



Todo sistema tem a oportunidade de ser progressivamente sustentável





Oportunidade



- A produção pecuária global está sendo questionada independente de onde está sendo produzida.
- Precisamos trabalhar como uma indústria para combater isso.
- A demonstração de nossas ações e melhoria associada a elas, é fundamental para enfrentar o desafio.

Projeto de Implementação DSF Ruanda, Quênia, Índia e Vietnã

- Implementação de estudos de casos em diferentes regiões
- Sustentabilidade significa melhoria do negócio.
- Compartilhando os resultados para que o setor de laticínios melhore de maneira eficiente.
- Demonstrar a importância do setor privado no cumprimento da mudança necessária.
- Propriedade compartilhada

E a América do Sul?

Cada sistema tem a oportunidade de ser cada vez mais sustentável.

