GLOBAL DAIRY PLATFORM

Dairy's Role in Global Food Systems, Healthy Diets, & Sustainable Lives

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GDP Executive Director

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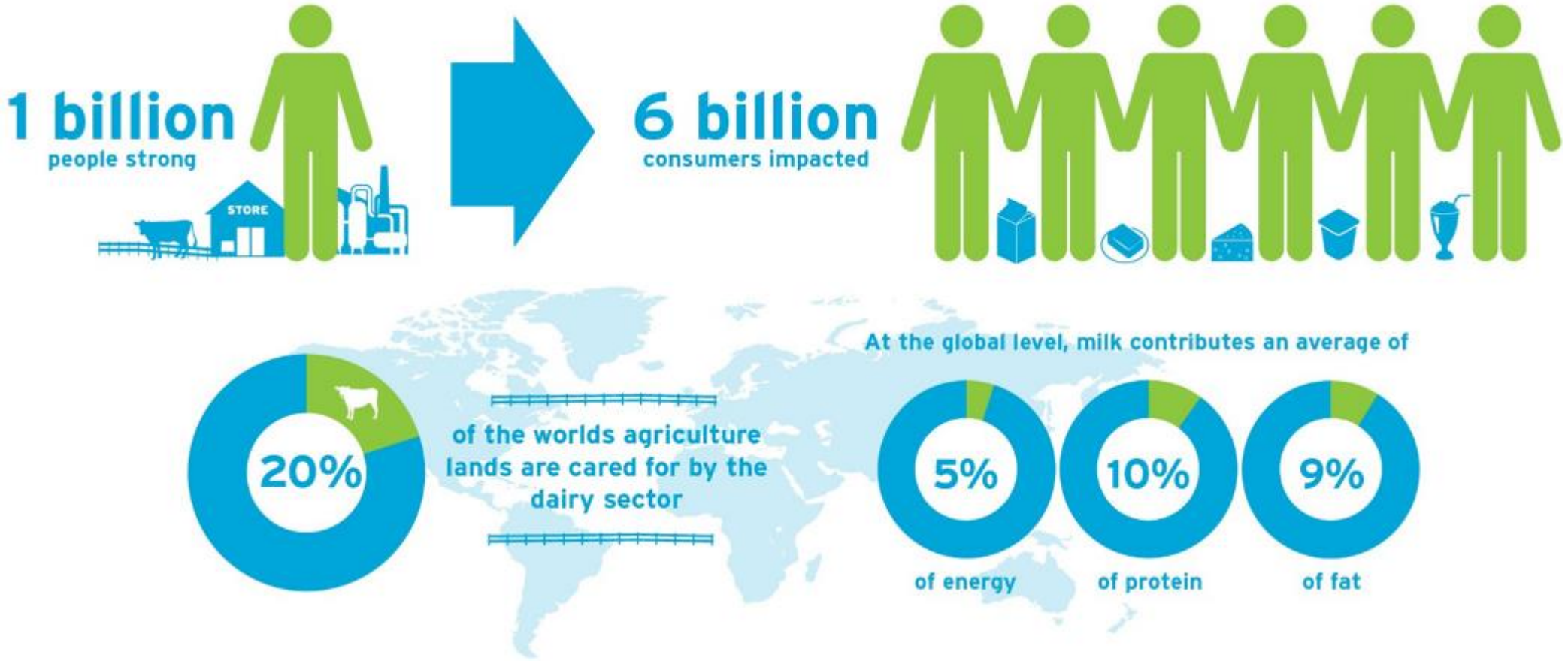
The Dairy Story



Data: FAO Stat

Dairy has Impact

Milk is one of most produced and valuable agricultural commodities worldwide

Milk ranks third by production tonnage

Milk is the top agricultural commodity in value terms the world over

Contributes

to the global value added from livestock

Contributes

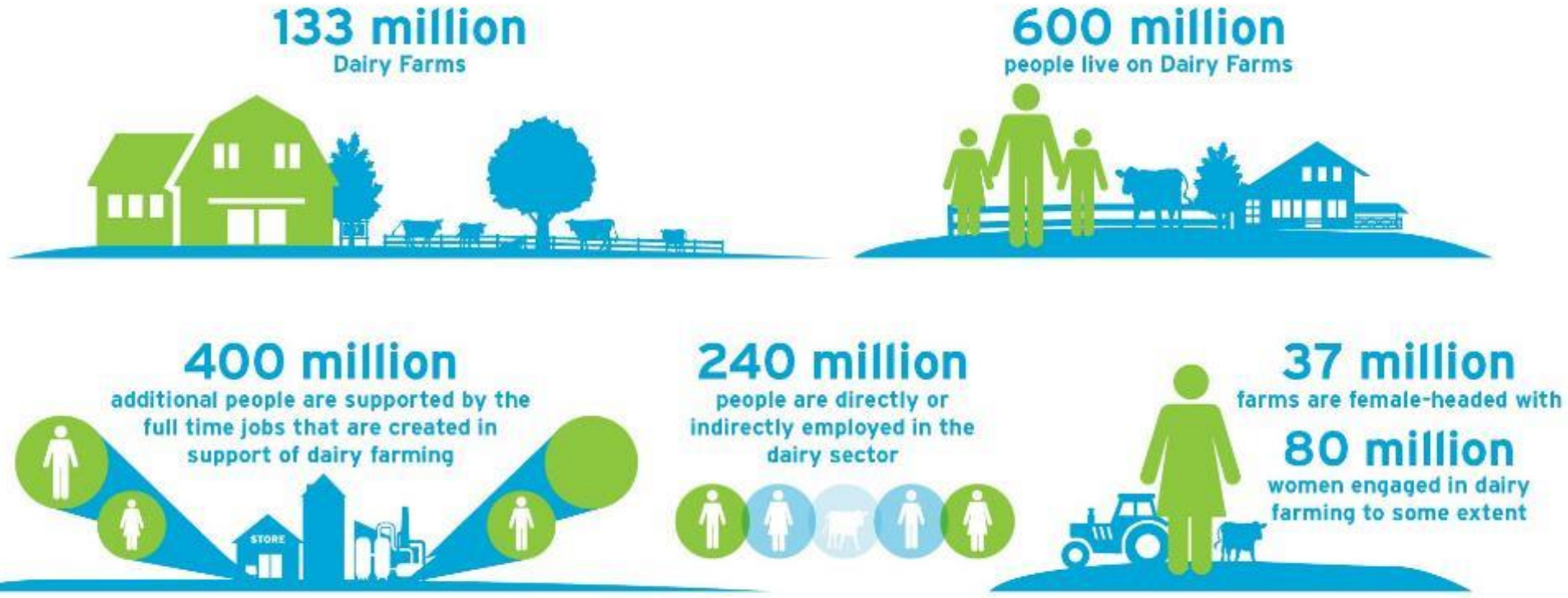
to the global value added of agriculture

Milk and dairy products account for about

of global agricultural trade

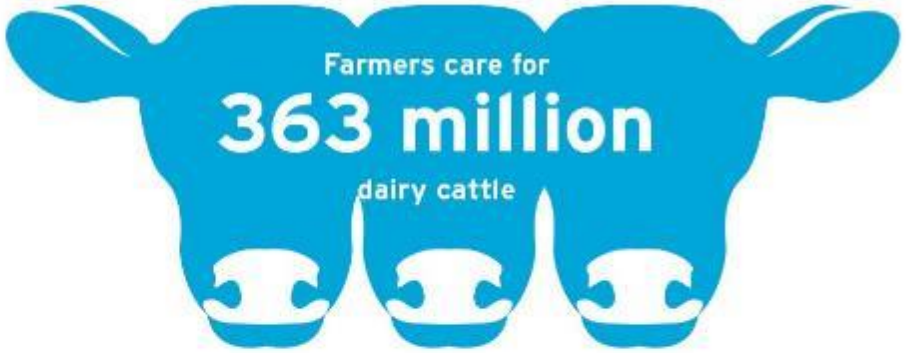
Data: FAO Stat

Dairy is Relevant



Data: FAO Stat

Dairy is Responsible



In industrialized economies herds are often larger: the average dairy farms in the UK and the US manage **90 and 300 dairy cows** respectively

Farmers in developing countries usually keeping them in herds of

2 or 3 cows

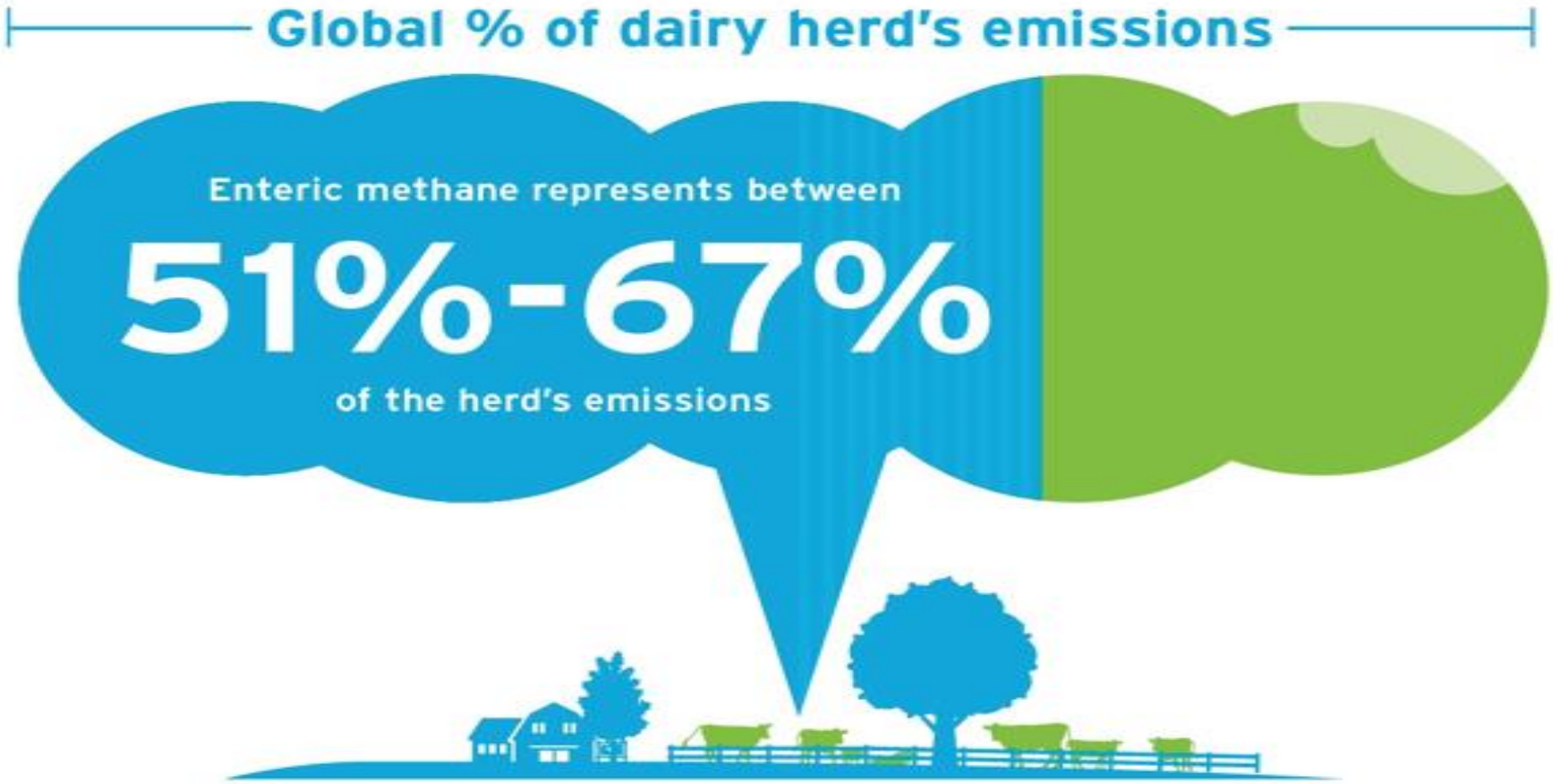
However, farms with more than 100 cows representless than

0.3%

of all dairy farms globally

Data: FAO Stat

Dairy is addressing climate change



Data: FAO Stat

PATHWAYS TO DAIRY NET ZERO:

ACCELERATING ACTION, ACHIEVING RESULTS

PATHWAYS TO DAIRY NET ZERO.

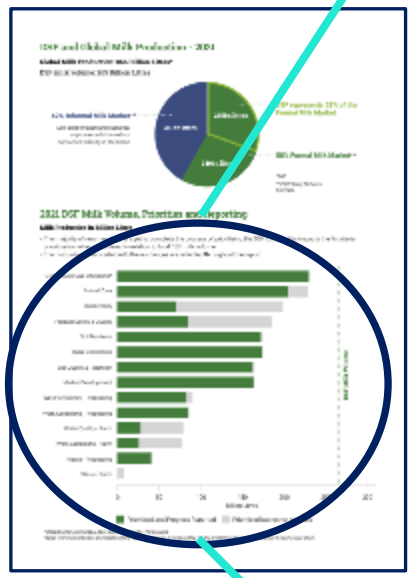
Tracking, Measuring & Reporting Sustainability Performance

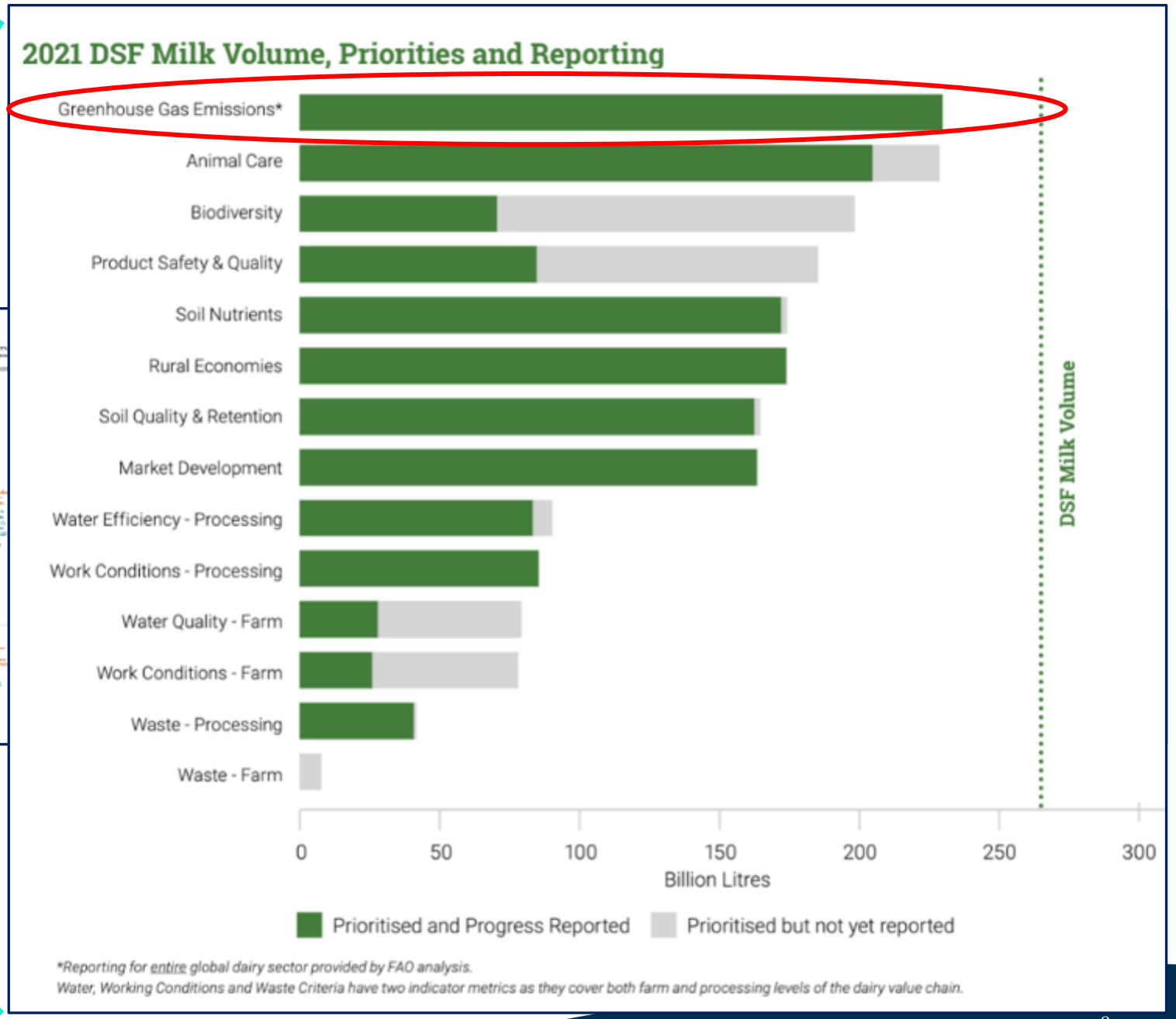
PATHWAYS TO DAIRY NET ZERO.

Dairy Sustainability Framework

- ✓ Launched 2013 – Global Perspective
- ✓ Tracks Economic – Social – Environmental dimensions
- ✓ Currently 265 billion liters of milk - 31% of global milk production ~52% formal milk

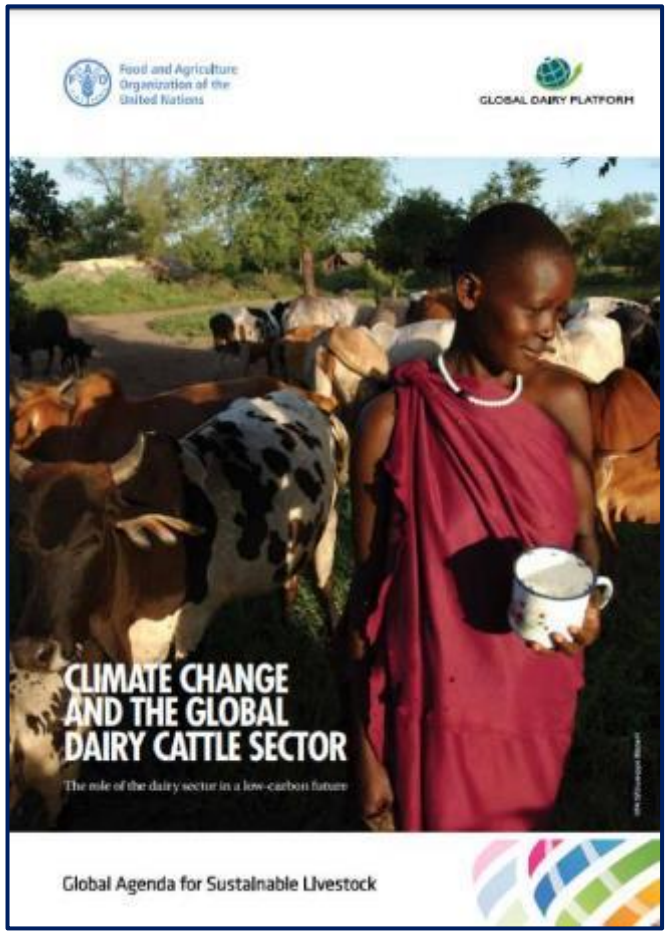
Tracking & reporting





dsf
Dairy Sustainability Framework

Understanding dairy's emissions



https://www.fao.org/3/CA2929EN/ca2929en.pdf

Pathways to Dairy Net Zero

A collaboration between:

GLOBAL DAIRY PLATFORM

Fédération Internationale de Laiterie · FIL IDF · International Dairy Federation

ILRI
INTERNATIONAL LIVESTOCK RESEARCH INSTITUTE

dsf
Dairy Sustainability Framework

SAI PLATFORM

IFCN
Dairy Data · Knowledge · Inspiration

Knowledge partner

GLOBAL RESEARCH ALLIANCE
ON AGRICULTURAL GREENHOUSE GASES

Supported by

FAO
FIAT PANIS

PATHWAYS TO DAIRY NET ZERO.

OBJECTIVES

PATHWAYS TO DAIRY NET ZERO.

- Systematically ***introduce or enhance climate action*** in global dairy systems
  - food and nutrition security
  - livelihoods and economic growth
  - animal health and welfare
  - climate and natural resource use
- Develop ***pathways*** for all dairy systems
- Stimulate commitments + Action

Progress in developed dairy economies

PATHWAYS TO DAIRY NET ZERO.

4 Tracks guide regional work:

- Methods / Frameworks /Proof points
- Accelerated Implementation & R+D
- Policy Making and Partnerships
- Pilots / Lighthouse Projects

Globally seek 3-4 Collaborative actions:

1. **Carbon Accounting**
   Ensuring the sector is recognized for its emission reductions efforts is key to the Pathways initiative.

   SCIENCE BASED TARGETS

   GREENHOUSE GAS PROTOCOL

2. **Dairy Processing**
   Taskforce to investigate latest advances in dairy processing technologies to tackle GHG emissions.

   Tetra Pak®

3. **Methane**
   Develop science-based narrative on dairy and methane emissions and actions underway

4. **Animal Nutrition**
   Investigating the role of improved feed/forage and supplements to lower dairy's environmental footprint

nutreco

Progress in emerging dairy economies

PATHWAYS TO DAIRY NET ZERO.

Identifying *Early Adopters* from emerging dairy economies

- ✔ Working with the Global Methane Pledge, Cornell University, FAO and GDP, we identified 10 countries to approach as "Early Adopters" of the Pathways to Dairy Net Zero initiative.
- ✔ Between them, these countries represent over 30% of the GHG emissions from dairy.
- ✔ Through the Global Methane Pledge and US Department of State, letters were sent to the first group of countries inviting them to join the program

Global Methane Pledge *

* GDP is a supporter of the Global Methane Pledge

Progress in emerging dairy economies

PATHWAYS TO DAIRY NET ZERO.

Potential Early Adopters

Region	Early Adopters	Status
Africa	Tanzania	Agreed
	Kenya	Agreed
	Rwanda	Agreed
	Uganda	Agreed
Americas	Uruguay	Agreed
	Costa Rica	Agreed
	Colombia	Agreed
Asia	Pakistan	Agreed
	Vietnam	Agreed
	India	In discussion
Dairy GHG %	~31%	

GREEN CLIMATE FUND

IFAD
Investing in rural people

FAO

GLOBAL DAIRY PLATFORM

Global Methane Hub

BAIN & COMPANY

USAID
FROM THE AMERICAN PEOPLE

Pathways to Dairy Net Zero

www.PathwaysToDairyNetZero.org