

INTERNATIONAL DAIRY FEDERATION DEMAND DRIVING FOOD SYSTEMS CLIMATE CHANGE DRIVERS FOR DAIRY PRODUCTION



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9th ATF seminar Wednesday 6th Nov. 2019 10:00h - 13:00h

THE INTERNATIONAL DAIRY FEDERATION

GLOBAL DAIRY EXPERTISE SINCE 1903

Non-profit organization

More than 75% of world milk production

1,200 experts, 17 S Committees & 5 Task Forces

Accredited FAO, Codex, OIE, UNEP







THE INTERNATIONAL DAIRY FEDERATION



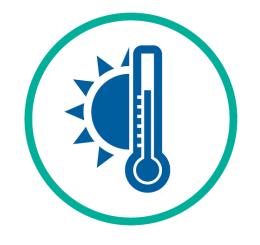


Serve as the global voice of dairy to intergovernmental organisations

Provide a forum for the global dairy sector to reach consensus on key dairy issues



Farm Management



Environment

ENVIRONMENTAL PERFORMANCE IS A KEY DRIVER OF THE LIVESTOCK SECTOR



A shift in demand towards **prevention and making producers responsible for the pollution they cause** has lead **farmers, industry and regulators** to seek limiting environmental liabilities through the improvement of environmental performance.



Heard on Morning Edition



Sustainable dairy
in Europe
Safeguarding our resources
CAMPAIGN FINANCED
WITH AID EROM

The **dairy** sector

Over the last number of decades, Europe has witnessed an environmentally-conscious movement and a demand for sustainable transformation.

CARBON FARMING SCHEMES: WHO & WHY WE BENEFIT FROM THEM

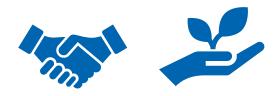


Farmers & Industry



- Adhere to increasing regulatory requirements.
- Environment-related standards help open world markets.
- Essential to the GHG markets for capand-trade schemes, offsetting credits, carbon neutrality and low-carbon strategies and policies
- Get a handle on their own environmental impact and concrete actions to improve efficiencies.

Regulators



- They are a solid base on which to create public policy that meets international commitments and addresses the many challenges that climate change brings.
- Contributes to the UN SDGs on climate action

Consumers



 Consumers benefit from standards when they are used by both industry & authorities to address climate change impacts



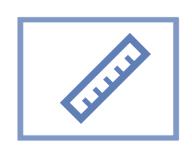




Environmental Management



Monitoring climate change



Quantifying GHG emissions



Communicating on environmental performance



Mitigation and adaptation



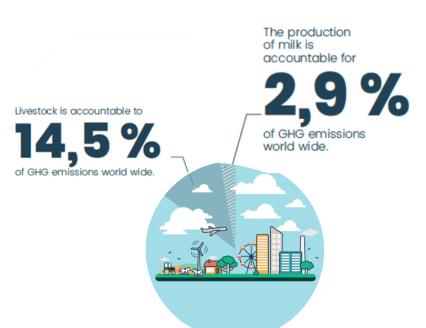
Opening world markets to clean energy

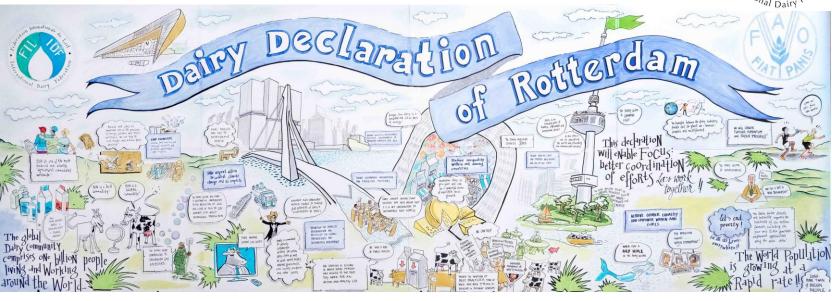


Financing climate change activities

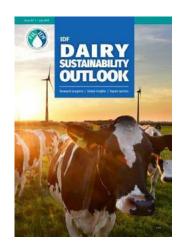
and many more...

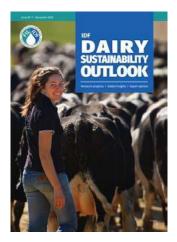
THE DAIRY SECTOR COMMITMENT





HTTP://WWW.DAIRYDECLARATION.ORG





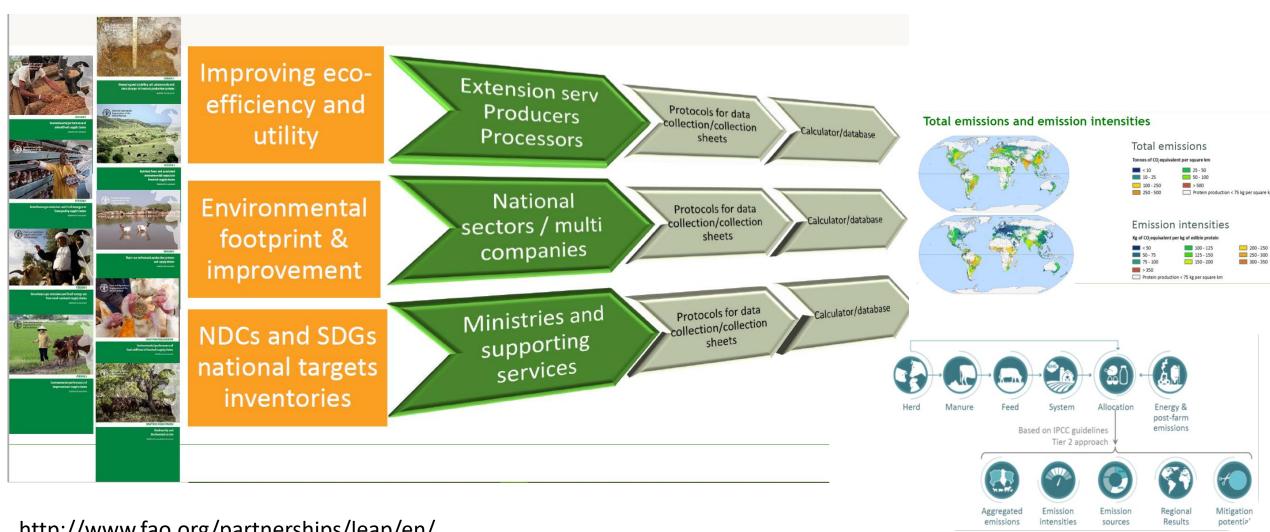


Lithuania Australia China UK Cyprus **New Zealand** Israel Belgium South Africa Germany Denmark Japan **FEPALE** Italy Korea France **ESADA** Canada Chile Zimbabwe Ireland Argentina US Poland Norway Finland Netherlands India

THE DAIRY SECTOR COMMITMENT



Implementation: FAO LEAP guidelines into Global Livestock Environment Assessment Model



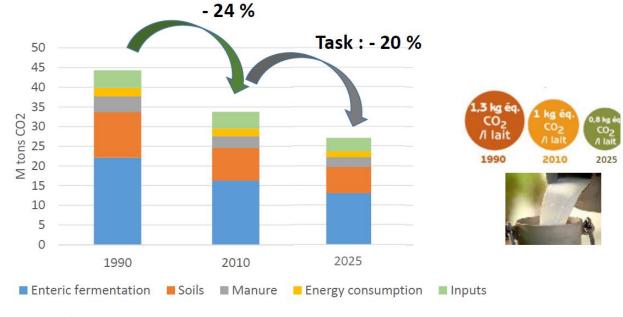
NATIONAL PROGRAMMES: EUROPE



FRANCE: National Programme - Low Carbon Dairy Farm



GHG emissions from dairy herd in France







• → Adaptation of Dairy Farms to Climate Change

Impacts of Climate Change on forage and milk production Technical solutions to adapting dairy systems

• → Tackling Climate Change

Contribution of dairy to GHG emissions & carbon seq Carbon audits in farms

Technical solutions for reducing milk carbon footprint

National Programmes: South America



BRAZIL: National Programme – Carbon Neutral Milk



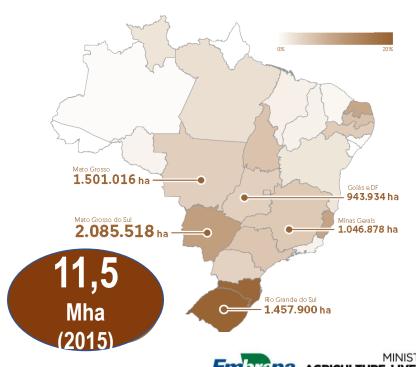
11,47 10 8 7,89 6 4 1,87 2,6 2 1,87 2 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

Leite Carbono Neutro



Sustainable Intensification for Tropical Regions

INTEGRATED CROP LIVESTOCK FORESTRY SYSTEMS
(ICLFs) IN BRAZIL

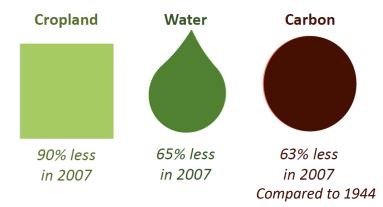


Capper JL, Cady RA, Bauman D. The environmental impact of dairy production: 1944 compared with 2007. *J Anim Sci.* 2009;87(6):2160-2167

NATIONAL PROGRAMMES: NORTH AMERICA

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UNITED STATES: National Programme - US Dairy Stewardship Commitment



"U.S. dairy farms have the lowest average GHG intensity of milk production globally"

A voluntary, stakeholder-aligned, and unified U.S. platform

FARM Environmental Stewardship (http://bit.ly/2pRA3Uc)

Collection and dissemination of information on GHG emissions and energy use

Continuous Improvement Reference Manual (http://bit.ly/2sKnCiX)

Practical, science-based ideas for reducing GHG emissions



