



Sustainability Activities – Dairy *Globally*

B. Lindsay – Project Leader –
GHG Emissions /LCA Dairy



Domestically....

- Concern over comparability
- Knowledge for farmers
- Mitigation options
 - *Low hanging fruit and beyond.....*
- Milk Roadmap – Targets
- National Inventories
- Getting the balance right!
- Engaging with the customer!





To Date:

- IDF/UNEP publication 2005 – LCA – general – Case studies.
- IDF Review into sustainability - 2008
- IDF/SAI Collaboration agreement
– Liaisons with others also





Reviews:

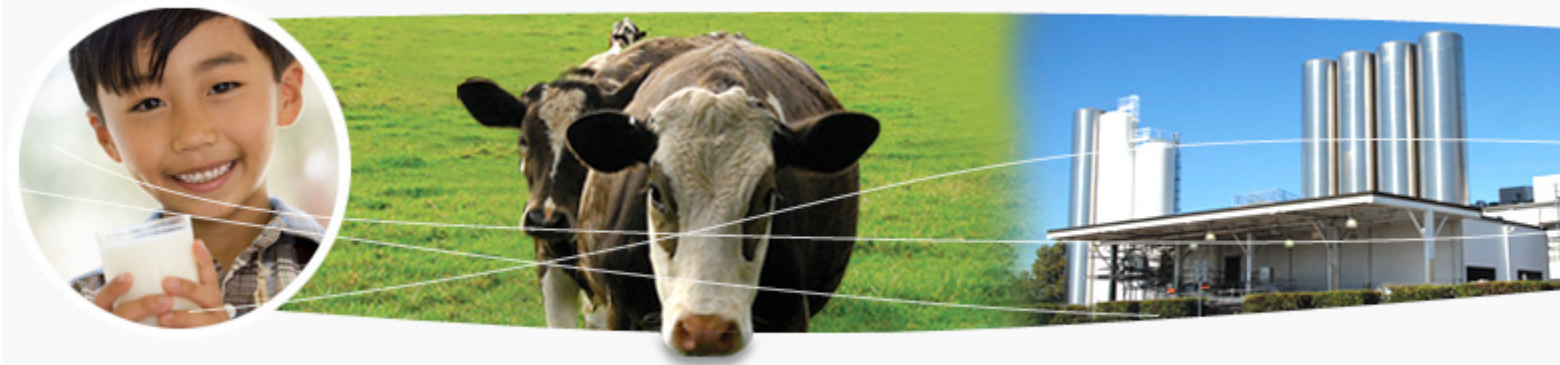
- SAI Platform analysis
 - 27 different ‘systems’
 - Range of objectives
 - Different assumptions/choices
 - Scope, allocation, boundaries, data specificity
- Recommendations:
 - Liaise with other groups to standardise
 - Engage with FAO to disaggregate
 - Research differences between production systems
 - Measure progress at the various levels



So what has being done?

- FAO study currently underway to disaggregate the 18% figure – Industry at the table!
- Common methodology for LCA – IDF/SAI project – Milk production and Processing several nations. Scientific and commercial input.
- Engagement with others to work towards common understanding and application





Global Dairy Agenda for Action Climate Change

Signing ceremony

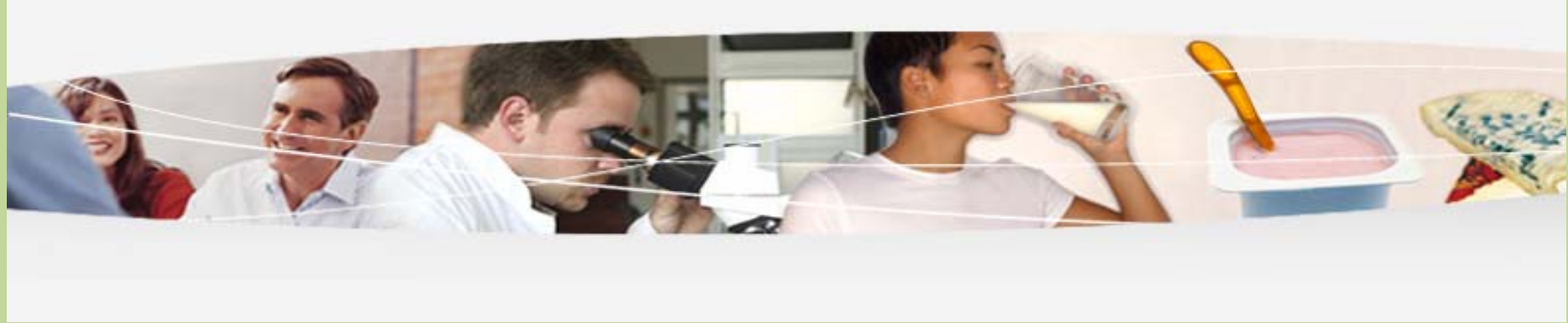
Berlin, 24 September 2009





Industry Stakeholders: Producer/organizations,

Along the global dairy supply chain





Signatories of the Agenda for Action:

International Dairy Federation (IDF)

Sustainable Agricultural Initiative (SAI) Platform

Global Dairy Platform (GDP)

International Federation of Agricultural Producers (IFAP)

European Dairy Association (EDA)

Pan American Dairy Federation (FEPALE)

Eastern and Southern African Dairy Association (ESADA)





Today's ceremony we are seven organisations



FEPALÉ



- 1,500,000 dairy farmers
- 590 billion litres of milk (85 % of total production)
- Dairy food sales estimated at \$500 Billion



FEPALÉ





Our commitment



1. Promotion of a standard method for measurement of greenhouse gas production
2. Promote and share best practice to minimise the production of greenhouse gases
3. Advance the establishment of systems and protocols for measurement of emissions
4. Promote opportunities for emissions reduction on the farm
5. Share research and information to maximise progress in developing mitigation technologies





The Green Paper – 6 Key Areas

1. Emissions Reduction

- Agricultural Emissions Research
- Optimising animal feeding
- Optimising use of fertilisers
- Optimising manure management

2. Energy Efficiency

- On-farm energy use in milking and refrigeration
- Optimised processing
- Investing in renewable energy

3. Transport Efficiency

- Optimised milk collections
- Optimised product distribution
- Optimised engine performance and driver training

4. Reduction in loss of milk and milk products

- Shelf life improvements for fresh products
- Working with retailers and consumers to reduce household waste
- Energy capture from waste product

5. Resource Efficiency

- Increase recycling of packaging
- Use of packaging with the lowest environmental impact
- Increase recovery of waste

6. Life Cycle Analysis and Management

- Development of a global standard for measuring monitoring and reducing GHG emissions
- Working with FAO and ISO





The evidence



To achieve our objective we recognise the need to provide evidence:

Evidence has been collected on past, current and planned work in 6 key areas:

1. Greenhouse Gas Emissions Reduction
2. Energy Efficiency
3. Transport Efficiency
4. Reduction in loss of milk and milk products

5. Resource Efficiency

6. Life Cycle Analysis and Management

The Green Paper

*260 projects in
6 key areas
across 40
countries*





Dairy Sustainability Website

www.dairy-sustainability-initiative.org

Welcome to the Dairy Sustainability Website

The Global Dairy Agenda for Action is the industry's commitment to making a positive contribution to global action to address climate change. The Agenda for Action brings together the global dairy industry and its partners, who are committed to working together, to improve the environmental performance of the dairy sector for a more sustainable future.

[Visit the website](#)

Dairy Agenda for Action

The dairy industry's commitment to address climate change.

[read more](#)

Green Paper

Gathers initiatives to create a sustainable dairy industry.

[read more](#)

Media room

Read press releases, interviews, and view photographs.

[read more](#)



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Where to form here?

- Continued engagement and openness!
- Greater investment in the science:
 - Address the uncertainties in LCA
 - Viable mitigation opportunities
- Promote continual improvement
- Quantification of actions –
Targets/indicators
- External verification?

