



LCA – Drivers and Challenges

Kimberly Crewther, Manager Sustainable Dairying Strategy

October 2010



What has dairy done?

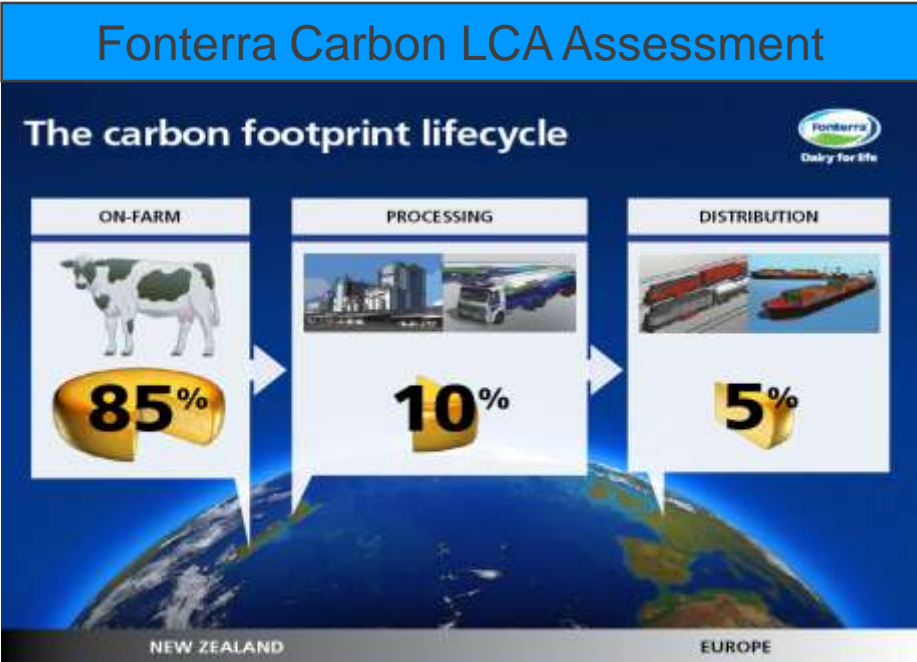
2008

- Sector participants developing LCA approaches



2010

- International dairy industry LCA standard



What drivers have shaped this path?

<h2>Recognition of Global Challenges</h2> <div data-bbox="113 347 472 749"> <p>Climate change</p> </div> <div data-bbox="518 347 886 749"> <p>Food Security</p> <p>The Feeding of the Nine Billion</p> </div>	<h2>The Need for Sound Science</h2> <div data-bbox="1052 361 1632 749"> <p>Food Miles</p> <p>www.foodlogist.com</p> </div>
<h2>Heightened Public Awareness</h2> <div data-bbox="113 856 445 1306"> <p>livestock's long shadow environmental issues and options</p> </div> <div data-bbox="472 885 828 1306"> <p>Addressed for A NEW GENERATION from the New York Times Bestseller</p> <p>an inconvenient truth the crisis of global warming</p> <p>AL GORE</p> </div>	<h2>Dairy Sector Commitment & Collaboration</h2> <div data-bbox="963 928 1688 1306"> <p><i>Global Dairy Agenda for Action on Climate Change</i></p> </div>

Challenges?

Allocation of emissions on-farm

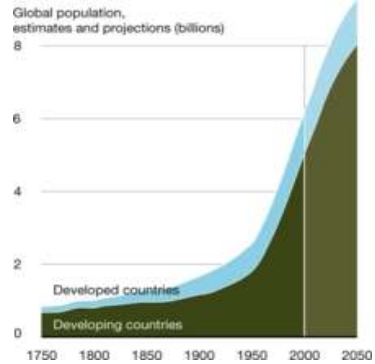
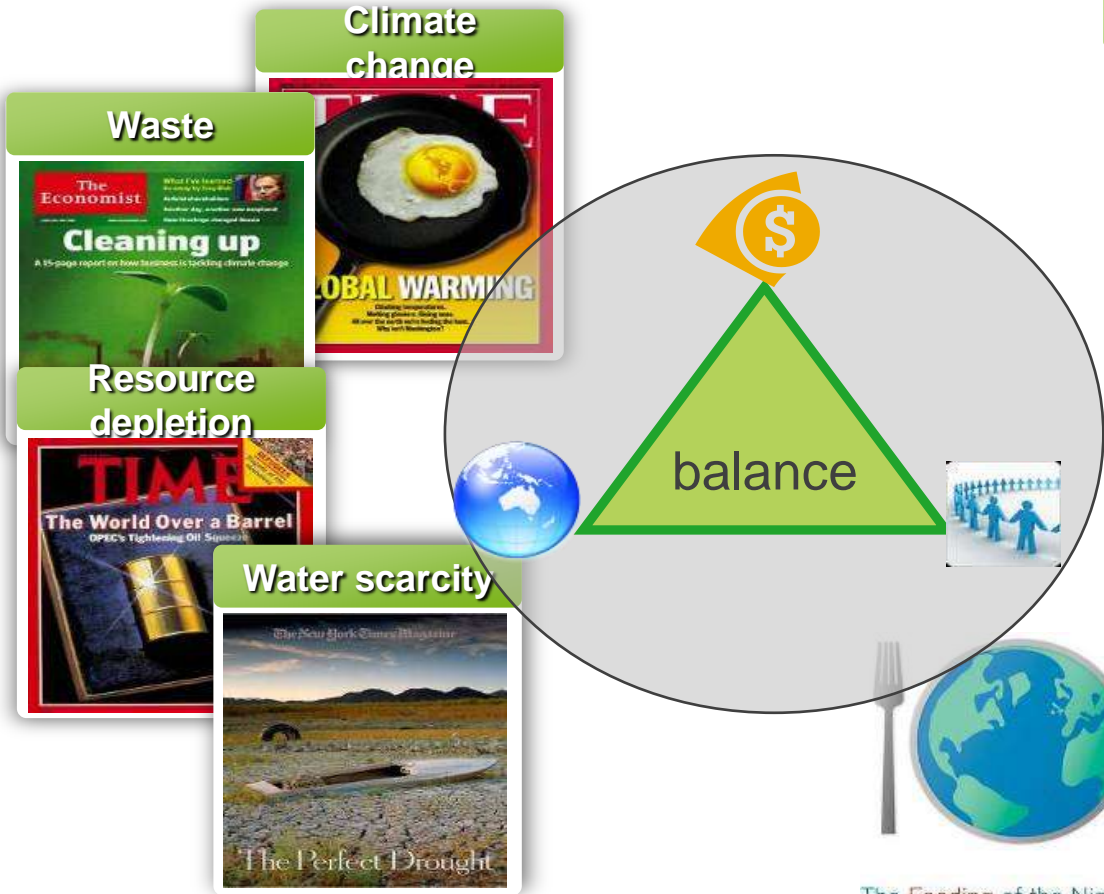


Allocation of emissions in manufacturing



Other Considerations?

- There's hard work still to come
- We must keep the broader picture in sight



The Feeding of the Nine Billion

What next?

- Continued carbon management
- Water LCA?
- Better presentation of the broader picture



A Final Thought...

- We are making good progress....
but.....
- An LCA is just one tool
- We also need:
 - Good Policy
 - R&D and investment
 - An open mind to new technology
 - Continued improvement no matter the system



Thank You

Page 7