

Sustainable land use in New Zealand: Climate benefits of agriculture development

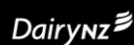
Dr Victoria Hatton

International Operations Manager
New Zealand Agricultural Greenhouse Gas Research Centre

SBSTA 40. Bonn, June 11th 2014. Technical Experts Meeting on Land Use



Leading Partners in Science



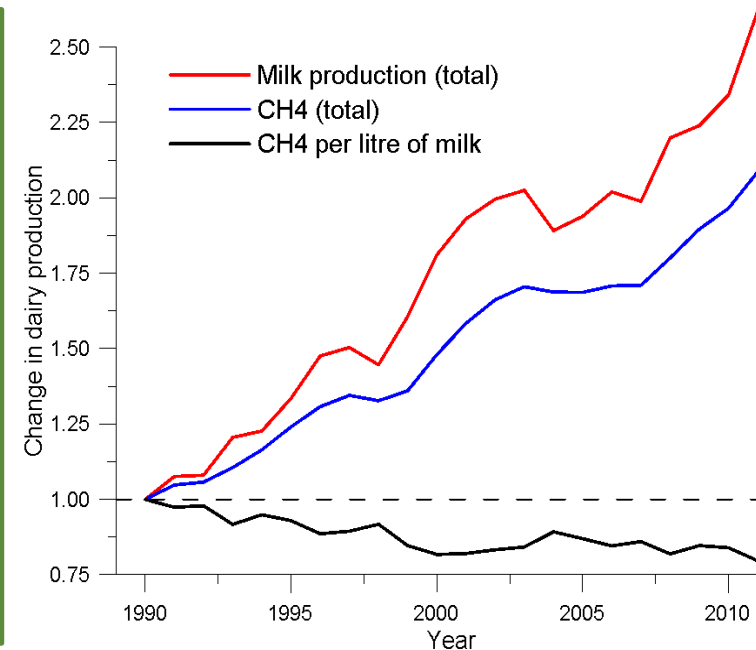
Context: Agriculture ~56% of export earnings

About 90% of production is exported

Changes: Increased efficiency and productivity of land-use, with 60% increase in dairy production

Benefits: Agriculture ~46% of gross GHG emissions:

- emissions intensity (emissions per unit of product) decreased -20% since 1990
- absolute emissions increased 15% since 1990



Key Messages:

1. Increased productivity/efficiency = decreased emissions intensity
2. Economic and local environmental drivers for efficiency gains
3. Economic benefits (farm/national level) and reduced global food footprint ...
4. ... but implementation takes time (information, social, risk aversion, markets)
5. National and international research/collaboration to up-scale emissions intensity reduction