



Animal source foods, sustainable global food security and the role of the private sector

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Crawford Fund Parliamentary Conference
11th August 2015, Canberra

ENOUGH

Elanco

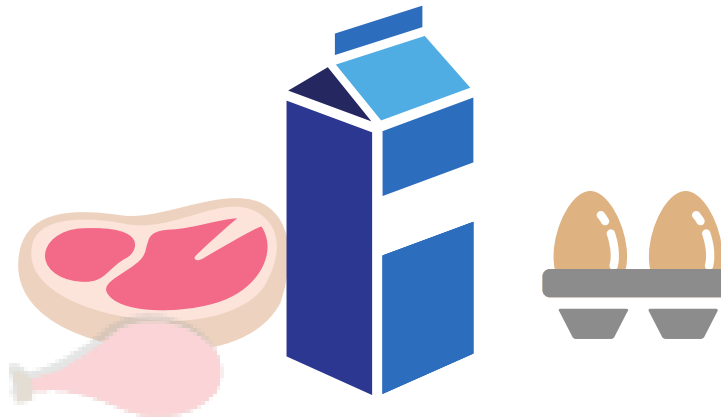
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Today's Food Security Realities

INCREASING DEMAND FOR MEAT, MILK & EGGS

We will need

60% More animal-sourced foods



Why animal source foods?

- Calories alone do not ensure good health
- **1 out of 3** people in developing countries are deficient in micronutrients including iron, zinc, calcium, and vitamins A, D and B12

Protein



Iron



Other micronutrients



Key nutrients in animal source foods

- Animal source foods add key nutrients when supplementing a rice diet:
 - Protein, vitamin B12, zinc, iron, calcium, Vitamin D

Chicken



Milk



Eggs



Today's Food Security Realities

FEEDING MORE WITH LESS

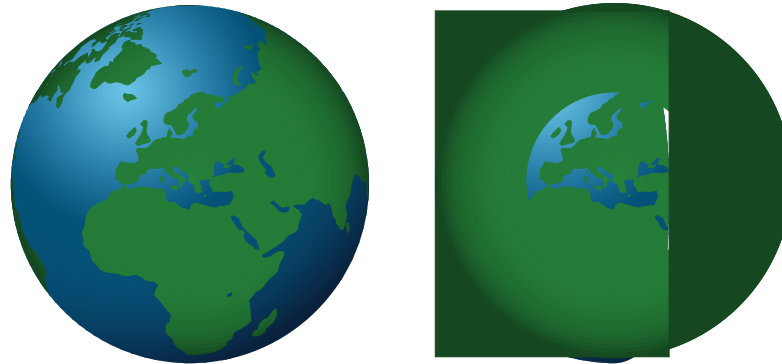
By overusing our resources, it takes

1.4

Years to regenerate
annual consumption



Source: WWF



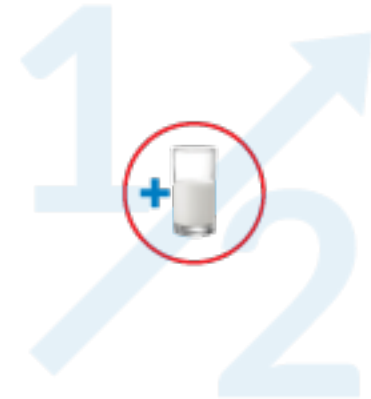
The Milk Gap

Dairy productivity has doubled since 1960, but it's not keeping pace with population growth.



What will it take to fill the gap?

1 Cow → **32 glasses of milk** currently produced each day **+** **HALF** a glass of milk **=** **Enough Milk** to meet future demand



Environmental implications

Filling the Dairy Gap

- Current path would add **40 million more dairy cows**, but not meet needs

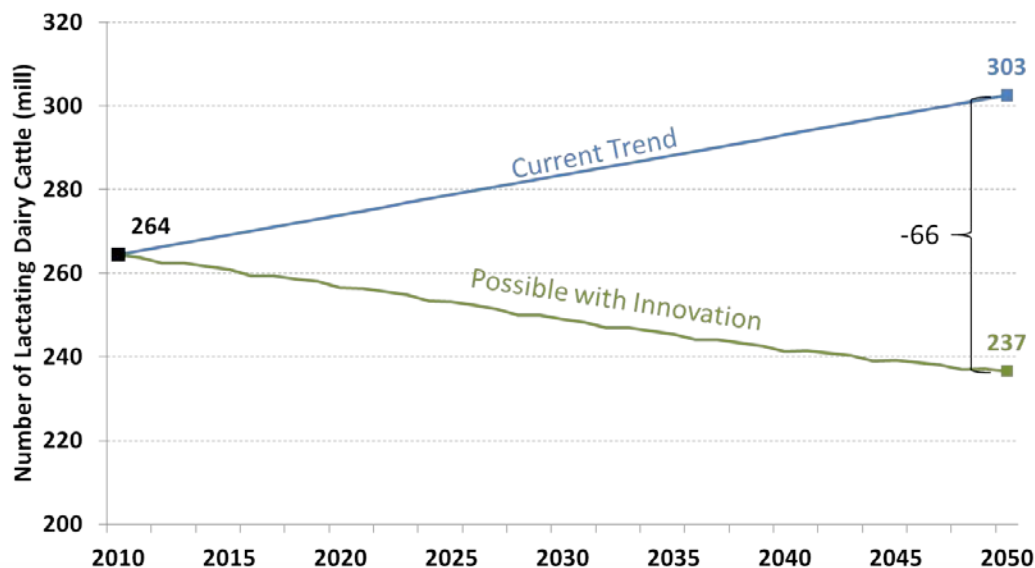


Using innovation, instead of adding animals

140ml more milk / cow / day

= 66 million fewer cows

- 747 million tonnes **less feed**
- 1.6m2 km **less farmland**
- 2339b litres **less water**



Role of the private sector

- “We cannot solve problems with the same thinking we used when we created them” – Albert Einstein

Innovation



Cause

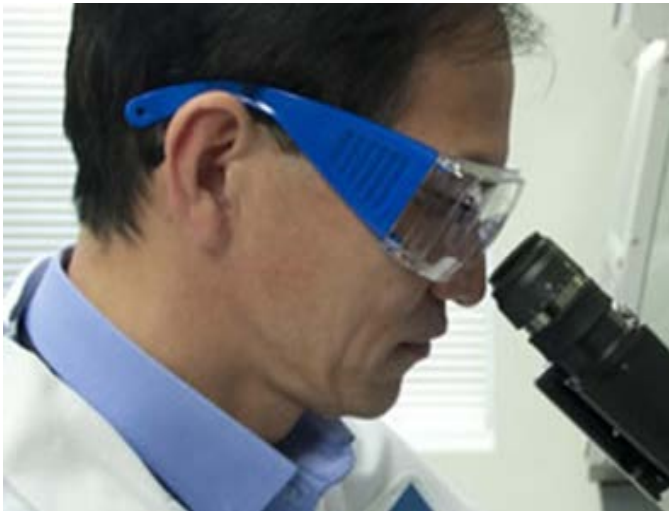


Advocacy



Innovation

- Reduce the environmental impact of livestock production
- Enhance animal well-being
- Improve food safety



Cause



Employee Engagement

"We are personally invested in the hunger cause."



Community Engagement

"We will break the cycle of hunger in our communities."



Sustainable Development

"We will be a global leader in sustainable food-security initiatives."

Personal

Local

Global

Advocacy



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@elanco

Now what?

- **Governments:**
Establish global standards to facilitate trade and ensure evidence-based assessment of new production technologies
- **Producers:**
Develop and adopt production systems that enhance animal welfare and improve productivity, and connect with consumers and markets
- **Brands:**
Allow for product choice, while enhancing confidence in food safety and quality
- **Scientists:**
Provide accurate and clear information to underpin regulatory systems, market choices and consumer communications
- **NGOs:**
Engage with supply chains to help transform global food security outcomes in sustainable ways





<https://vimeo.com/74388606>