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

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Today’s Food Security Realities

INCREASING DEMAND FOR MEAT, MILK & EGGS

We will need **60%** More animal-sourced foods


#FeedThe9
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](image1)

![Iron](image2)

![Other micronutrients](image3)
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

Source: USDA SR-21.
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

- 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.”
Advocacy

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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