Better lives through livestock

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Animal source foods: 5 of 6 highest value global commodities
(total value of these four: US Int $ 715 billion)

Cow milk has overtaken rice
Gains in meat consumption in developing countries are outpacing those of developed.

Africa’s food import bill (2013): US $ 44 billion
About one fifth is livestock (highest after cereals)
What’s special about animal/smallholder food?

• 90% of animal products are produced and consumed in the same country or region
• Most are produced by smallholders
• Over 70% of livestock products are sold ‘informally’
• Almost 1 billion rely on livestock for livelihoods
• 43% of the agricultural workforce is female
Livestock and inclusive, sustainable economic growth
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Livestock and equitable livelihoods
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Livestock and equitable livelihoods

Animal source foods for nutrition and health
Livestock and inclusive, sustainable economic growth

Livestock and equitable livelihoods

Animal source foods for nutrition and health

Livestock and sustainable ecosystems
Livestock and inclusive, sustainable economic growth

Harnessing the power of the CGIAR to double livestock production through better feeds

ECF causes $300 million/year losses
• Global livestock futures – regional and country master plans: Tanzania, Uganda, Kenya, Rwanda…….
• New science for better productivity:
  • Feeds: gene mining for quality traits of food-feed crops and forages
  • New vaccinology
  • Genomics: delivery, tropical adaptation; conservation
• Institutional and individual capacity strengthening
Women in livestock raising, processing, trading – gender transformative approaches

Livestock and equitable livelihoods

Inclusive dairy development: Target: 60 million smallholders in East Africa
Increased economic value
$260 million per annum

Insuring the never-before insured against catastrophic drought in the Horn
Beyond technology:
• New models for one billion to be part of the livestock sector transformation; or to exit positively
• Women, men, young people part of new livestock business solutions
• Securing assets of the vulnerable
• Institutional and individual capacity strengthening
Animal source foods for nutrition and health

5 million consumers in Kenya and 1.5 in Assam are benefiting from safer milk

Worldwide livestock antimicrobial consumption is expected to rise by 67% between 2010 and 2030.

New research: MERS in camels
• Controlling zoonoses; preventing pandemics

• Managing Anti-Microbial Resistance

• Improving food safety in informal markets

• Enhancing the nutritional benefits of animal source foods

• Institutional and individual capacity strengthening
Livestock and sustainable ecosystems

Potential to double productivity and halve methane emissions. In India that means 1 million tonnes less methane per year from dairy.

Good grazing management for rangelands: potential to sequester 8.6 million tonnes carbon/year.

Livestock and sustainable ecosystems
• Reduce the environmental footprint of livestock through improving productivity

• Generating emission indices to inform appropriate policies in tropical countries

• Rangeland management and pasture improvement for carbon sequestration

• Institutional and individual capacity strengthening
Reduced poverty

Improved food and nutrition security for health

Improved natural resource systems and ecosystem services
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