AN OPPORTUNITY FOR DEMONSTRABLE IMPACT: FRAMING THE GLOBAL AGENDA IN A SUSTAINABLE DEVELOPMENT GOAL CONTEXT

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Panama, 20-23 June 2016
1. From Holocene to Anthropocene: Livestock as a key resource in a rapidly changing global milieu
Presentation overview

1. From Holocene to Anthropocene: Livestock as a global resource in a rapidly changing milieu

2. The Global Livestock Agenda: building a valuable and credible conduit to the human development sphere

3. The Agenda: How? Strategic leadership, diversity, facilitation and resource mobilisation
1. The changing milieu: Indicators of progress in development: Global and regional poverty estimates for 1990, 2011 and 2030 (%)s


“MDGs got everyone to face the same direction”
Andrew Mitchell
But development, as measured by the MDGs, is not uniform by number of countries.

The globally polarised livestock agendas

Source: IFPRI
Review

How Growing Complexity of Consumer Choices and Drivers of Consumption Behaviour Affect Demand for Animal Source Foods

B. D. Perry¹ and D. C. Grace²
The angels of consumption ideals
• Greenhouse gases
• Obesity and non-communicable disease
• Animal welfare
• Food safety

The darker drivers of consumption behaviour
• Biological drivers: mesolimbic dopamine system
• Psychological drivers: Marketing
• Socio-cultural drivers: Obesogenic society
The continuing divide between livestock-associated outputs and human development outcomes.

### The livestock sphere in agriculture
- Productivity
- Yield
- Morbidity
- Mortality
- Welfare

### The human development sphere
- Poverty levels
- Inequality
- Human health & nutrition
- Employment
- Growth, trade, Natural resource management

Factors:
- Genotype
- Nutrition
- Animal health
- Service inputs
- Market access
- Governance
- Policy environment
- Institutions
- Partnerships
- Political stability
We have been getting better: The livestock advocacy plea

- Is worth around $1.4 trillion
- Accounts for 40% of agricultural GDP
- Employs 1.3 billion people
- Provides 17% of calories and 26% of protein, globally
- Provides valuable micronutrients to the poor
- Provides livelihoods for 800 million poor small-holders
- Contributes nutrients and traction for mixed farming
- Serves as a bank, and insurance against hard times (e.g. drought)

The opportunity to advance from lobby.. to evidence... to impact
But look out! The momentum of diet change advocacy

Analysis and valuation of the health and climate change cobenefits of dietary change

Marco Springmann\textsuperscript{a,b,1}, H. Charles J. Godfray\textsuperscript{a,c}, Mike Rayner\textsuperscript{a,b}, and Peter Scarborough\textsuperscript{a,b}

\textsuperscript{a}Oxford Martin Programme on the Future of Food, Department of Zoology, University of Oxford, Oxford OX1 3PS, United Kingdom; \textsuperscript{b}British Heart Foundation Centre on Population Approaches for Non-Communicable Disease Prevention, Nuffield Department of Population Health, University of Oxford, Headington, Oxford OX3 7LF, United Kingdom; and \textsuperscript{1}Department of Zoology, University of Oxford, Oxford OX1 3PS, United Kingdom

4146–4151  PNAS  April 12, 2016  vol. 113  no. 15
2. The Global Livestock Agenda: building a valuable and credible conduit to the human development sphere
Vision of the Global Agenda: The opportunity to raise the bar

Current **vision**: The Agenda enhances the contribution of the livestock sector to sustainable development

Making it more explicit to the mandate of the Global Agenda, and as such, more attractive to investment

**Vision**: A world in which the contributions of livestock to global development, society and the environment are evident and recognised in the UN Agenda 2030
The Global Agenda for Sustainable Livestock
Promoting an evidence-base to document and exploit the contributions of livestock systems and enterprises to the SDGs, through consensus tools and practice and policy change.
From advocacy and anecdote to quantifiable indicators of SDG relevance

Outcome 2: The evidence and tools
• Four outputs, 15 activities, 16 indicators

Technical indicators to complement administrative indicators? Prioritisation? National/regional examples?

Ensure healthy lives and promote well-being for all at all ages
Achieve gender equality and empower all women and girls
The need to translate livestock development indicators into SDG language

- 17 goals
- 169 targets
- 230 indicators
Outcome 3: Practice and policy change
Understanding and mitigating the livestock negatives and controversy areas?

Case studies of the big ones?
Use success stories to develop arguments for upscaling and outscaling

• Greenhouse gases
• Anti-microbial resistance
• Undernourishment and obesity
• Animal Welfare
• Poverty

A role for Theories of Change?
Theories of Change: an alternative and supplement to log frames

• Draws methodology from evaluation
• Log frames passé? “superficial contractual exercise”? 
• Encourages dialogue and reflective practice
• Both process and product
The antimicrobial resistance challenge

Global trends in antimicrobial use in food animals

Thomas P. Van Boeckel¹,², Charles Brower³, Marius Gilbert⁴–⁶, Bryan T. Grenfell⁷,⁸, Simon A. Levin⁴,⁹,¹⁰,¹¹, Timothy P. Robinson¹, Aude Teillant¹, and Ramanan Laxminarayan¹,²,⁹,¹¹,
The Fleming Fund: theory of change for antimicrobial resistance in low and middle income countries

**Input**
- Support at regional level
  - Capacity building
  - In-Country Support

**Output**
- Data collected
  - Ongoing surveillance
  - Data used internationally to inform the relevant agendas by monitoring trends and develop the evidence base
  - Global awareness

**Outcome**
- Data used domestically to drive regulation, and impact on clinical and social practice
  - Control on AM use in LMICs, both human and livestock
  - Rational AM use in developing countries
  - Global advice and policy; clear international standards agreed by WHO, FAO and OIE
  - Global willingness to tackle in-country budgetary health system constraints

**Impact**
- Mortality and morbidity due to AMR minimised
3. The how? How to implement the Global Agenda?

- **Leadership**: combined with effective facilitation: inspiring people, persuading already busy people to do things you want them to!
- **Vision**: of the role of the Global Agenda
- **Innovation**: indicators for the contributions of livestock to the SDG targets and their indicators
- **Innovation**: explore theories of change for case study interventions to address the priority livestock negatives
- **Stewardship**: of the activity pathway to 2018: eye on the ball
- **Financial resource planning and capture**: resources to foster the livestock/SDG innovation
Financial resource planning and capture in the Global Agenda: The opportunity for demonstrable contribution to the SDGs

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<thead>
<tr>
<th>Target 17.16</th>
<th>Indicator 7 from Global Partnership Monitoring Exercise: Mutual accountability among development co-operation actors is strengthened through inclusive reviews</th>
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<td>Enhance the global partnership for sustainable development, complemented by multi-stakeholder partnerships that mobilize and share knowledge, expertise, technology and financial resources, to support the achievement of the sustainable development goals in all countries, in particular developing countries</td>
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<td>Target</td>
<td>Original Indicator Proposal</td>
<td>Initial classification before the meeting</td>
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<td>Target 17.17</td>
<td>Encourage and promote effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships</td>
<td>Amount of US$ committed to public-private partnerships</td>
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Implementing the Global Agenda 2016 – 2018: some potential contributions

- Long-standing commitment to Global Agenda concept
  - Planning and facilitation, Berlin, Fribourg, Cali
  - Co-author of vision paper for livestock’s role of food security, North Africa & Middle East
  - Invited speaker on sustainable livestock systems

- Lead author, ISPC White Paper on global livestock research needs (2014)

- Team leader 11 independent evaluations of investments in livestock and health over last 6 years: the search for evidence

- Network of technical and policy level contacts in five continents

- Advocate of targets and indicators

- Discomfort at telling you this