Win more, lose less:

Capturing synergies between SDGs through agricultural research

Intensifying livestock

EID, AMR & Land use change

Marius Gilbert

Université Libre de Bruxelles
Synergies or converging trajectories

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Synergies or converging trajectories in intensifying livestock systems

• Synergies
  • AM can be a substitute to poor management
  • Biosecurity & hygiene measures are important prevention factors for disease transmission
  • Well-managed farms would have better biosecurity practices, hygiene, feed and waste management, optimized recycling.
  • This has a cost!
  • One Health (synergies between human and animal health): not yet a reality
  • The importance of data
  • Involvement of the private sector
Onehealth, not yet a reality: H7N9 human cases in China

- Cost of prevention in one sector, benefit in another
- As long as H7N9 was low pathogenic, human cases remained
- When H7N7 turned highly pathogenic, and started having an economic impact on the poultry sector, it created the incentive for mass vaccination, and few, or no human cases have been notified since
Major discrepancies in data and trends (not even in projections)

- China Husbandry and Veterinary yearbook (2005)
Major discrepancies in data and trends (not even in projections)

- China Husbandry and Veterinary yearbook (2015)
### Major discrepancies in data and trends (not even in projections)

<table>
<thead>
<tr>
<th></th>
<th>CHVY</th>
<th>FAOSTAT *</th>
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<tbody>
<tr>
<td></td>
<td>2005</td>
<td>2015</td>
<td>Change</td>
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<tr>
<td>Stock (heads)</td>
<td>503,348,200</td>
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<td>Production (MT)</td>
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<td></td>
<td>2005</td>
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<td>Change</td>
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<tr>
<td>Stock (heads)</td>
<td>428,237,970</td>
<td>471,550,139</td>
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<tr>
<td>Production (MT)</td>
<td>41,858,062</td>
<td>53,754,949</td>
<td>+28.42%</td>
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* Aggregate, may include official, semi-official, estimated or calculated data

FAO GAPS model projections Business as usual scenario 2030: 532,278,000

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Synergies or converging trajectories

• Engaging with the private sector is important because of the leverage effect of speaking directly to big actors;

• But a large part of the private sector is interested in protecting the goods of its shareholders, not the common goods, sometime, they go sometime in the same direction, but there is also conflict.

• There is a third wheel, and its is big. How to stimulate the incentive/premium toward low-impact products and consumption patterns.