Interventions to support One Health and hygienic markets

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Food security and nutrition in the context of COVID-19
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Key messages

Human, animal and environment health are inextricably linked and require a One Health approach from grassroots to national ministries to global initiatives and organizations.

A One Health approach, if implemented, can make essential contributions to ensuring food and nutrition security, and resilience, particularly in the developing world.

One Health provides practical approaches to improving fresh markets without jeopardizing human health, food and nutrition security or resilience.
COVID-19: a harsh reminder of inextricable linkages among human, animal and environmental health in food systems

One Health matters
• We have known for a long time
  • Past pandemics.....bird flu, swine flu, MERS, SARS
• Why hasn’t this worked?
• Does it make economic sense?
One Health and the institutional opportunity

(Figure 5, p26 World Bank. 2010. People, Pathogens and Our Planet. Volume 1: Towards a One Health Approach for Controlling Zoonotic Diseases. Report No. 50833-GLB)

From grassroots.....to ministries...to regional and global
One Health is cost-effective to reduce the likelihood of future pandemics

Better animal disease surveillance, and a One Health approach could save billions by addressing disease outbreaks in animals rather than people as timely ‘sentinels’

A global investment of US$25 billion over 10 years in One Health could generate benefits worth at least US$125 billion.
Fresh food markets all around the world: 80% of the food for most people
Throughout the value chain – to market

People, animals and their products interact in multiple ways with diverse environments
Interventions: to improve not prohibit

Enabling (regulatory) environment
- Risk based – not hazard based command/control
- Co-create solutions to improve
- Target and tailor regulations to issues (eg wildlife NOT all animal markets)
- Be aware of unintended consequences

Training and simple technology
- Regular, short, simple, innovative, gender sensitive training
- Simple, effective solutions (cutting boards, disinfectant, safe containers)
- Certification

Incentives
- All consumers recognize and will pay (more) for safer food
- Certificates, recognition
- Understand and promote (‘nudge’) behavioural changes
A One Health approach applied to informal markets can help deliver food, nutrition and resilience in the developing world.

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<thead>
<tr>
<th>Food</th>
<th>Nutrition</th>
<th>Resilience</th>
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<tbody>
<tr>
<td>Local consumers on daily wage</td>
<td>Fresh not processed Small daily quantities of highly nutritious foods (no fridge!)</td>
<td>Varied and nutritious diet Regular food even on low income Well nourished children more resilient and healthier, less likely to be stunted</td>
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<tr>
<td>Fresh food daily</td>
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<td>Producers daily income</td>
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