The economic and public health significance of preparing internationally for animal disease outbreaks, and the challenges to multi-nation collaboration and response

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achieving **food security for all** and making sure **people** have regular access to enough **food** to lead active, healthy lives
half of the 900 million people living below the poverty line depend on livestock
approximately 75% of recently emerging infectious diseases affecting humans are of animal origin
Economic impact of selected infectious disease OUTBREAKS

- **Foot-and-mouth disease**
  - Taiwan: USD 5–8 billion
  - United Kingdom: USD 10–15 billion

- **H5N1 avian influenza**
  - Worldwide: USD 30 billion

- **SARS**
  - China, Hong Kong, Singapore, Canada: USD 30–50 billion

- **H1N1**
  - Worldwide: USD 45–55 billion

- **Ebola**
  - Africa: USD 31–33 billion

Figures are estimates and are presented as relative size. Based on WHO, World Bank and UNDP data. Updated by EcoHealth Alliance.
Are we **prepared** for a **pandemic**?
every $1 invested in preparedness saves $5 in response to an animal disease outbreak
containing animal diseases at source – saves lives, protects livelihoods and reduces economic costs
One Health
Global health security is a shared responsibility
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