

GLOBAL BURDEN OF ZOOONOSES TOWARDS SUSTAINED IMPACT

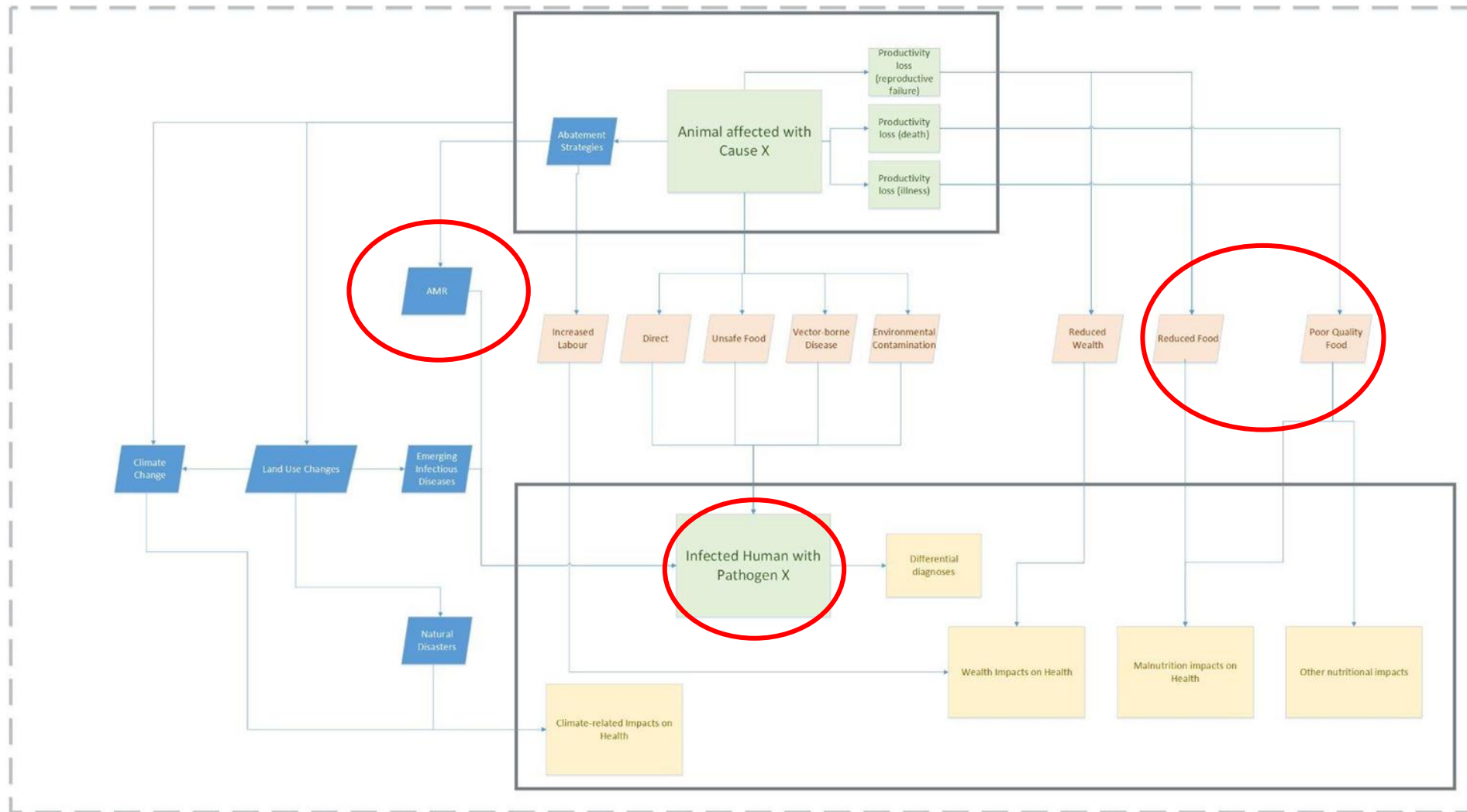
“Data for Policy Making: Insights from GBADs and FVE’s Research and Policy Impact”
GBADS/DECIDE webinar • 19/02/2024

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Global burden of zoonoses



GBADs & Human health



GBADs • Global burden of zoonoses





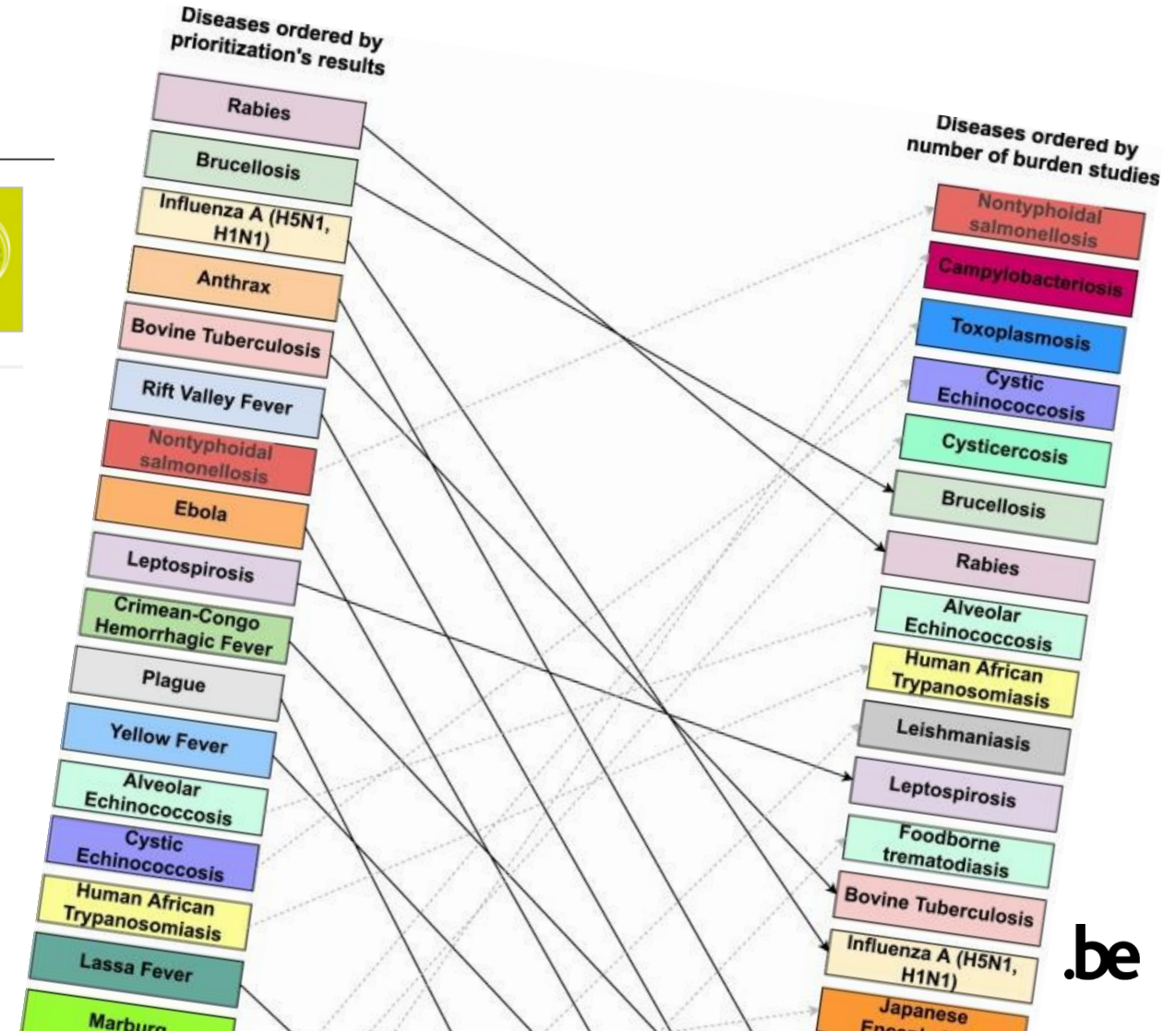
One Health

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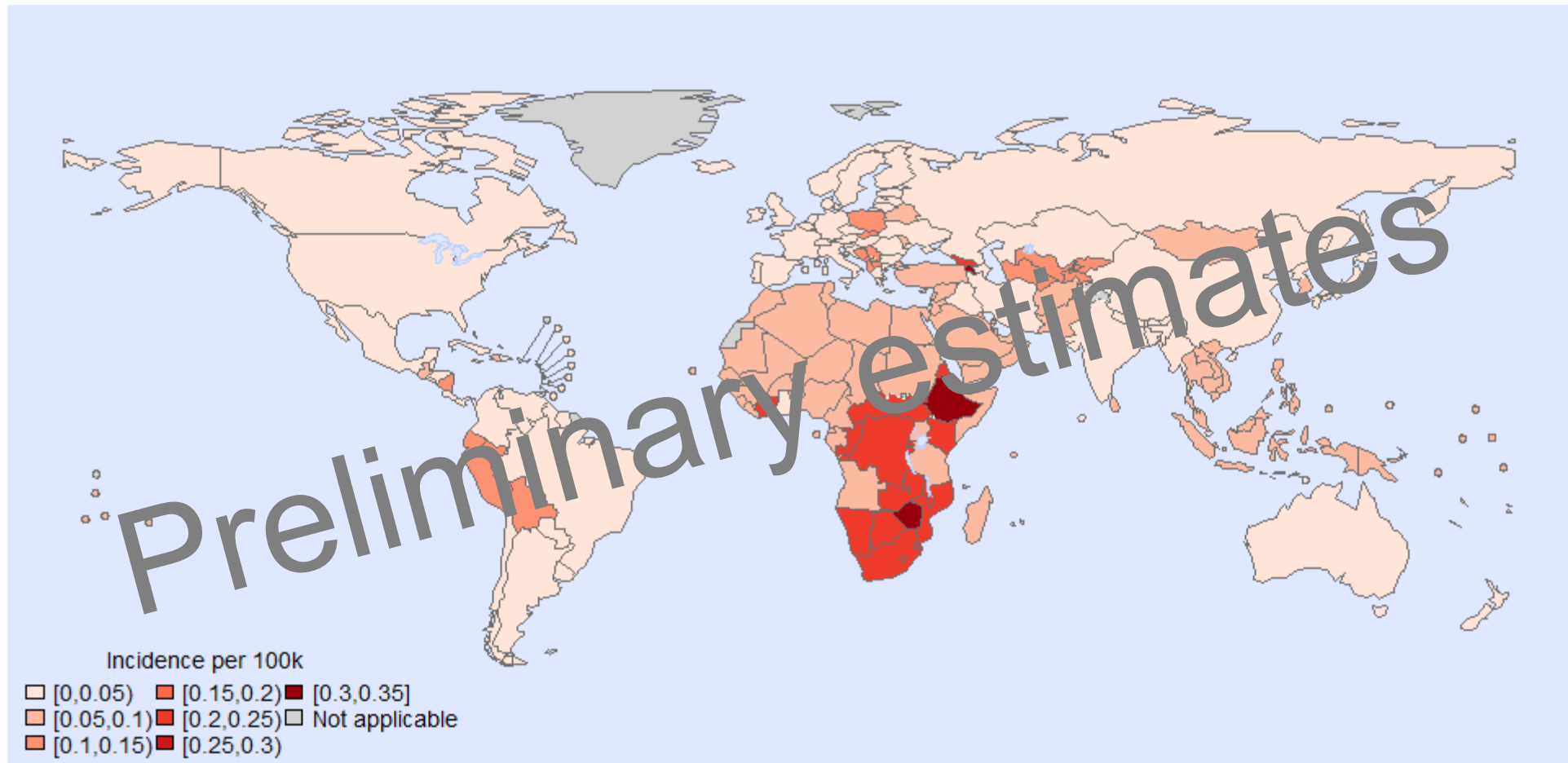


The global burden of neglected zoonotic diseases: Current state of evidence

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GBADs • Global burden of anthrax



Foodborne Disease Burden Epidemiology Reference Group

WHO ESTIMATES OF
THE GLOBAL BURDEN
OF FOODBORNE DISEASES



FOODBORNE DISEASE
BURDEN EPIDEMIOLOGY
REFERENCE GROUP
2007-2015



The burden of foodborne diseases is substantial

Every year foodborne diseases cause:

almost
in 10
people to fall ill

33 million
healthy life years lost

Foodborne diseases can be deadly, especially in children <5

420 000
deaths



Children account for
1/3
of deaths from
foodborne diseases

**FOODBORNE DISEASES ARE PREVENTABLE.
EVERYONE HAS A ROLE TO PLAY.**

For more information: www.who.int/foodsafety

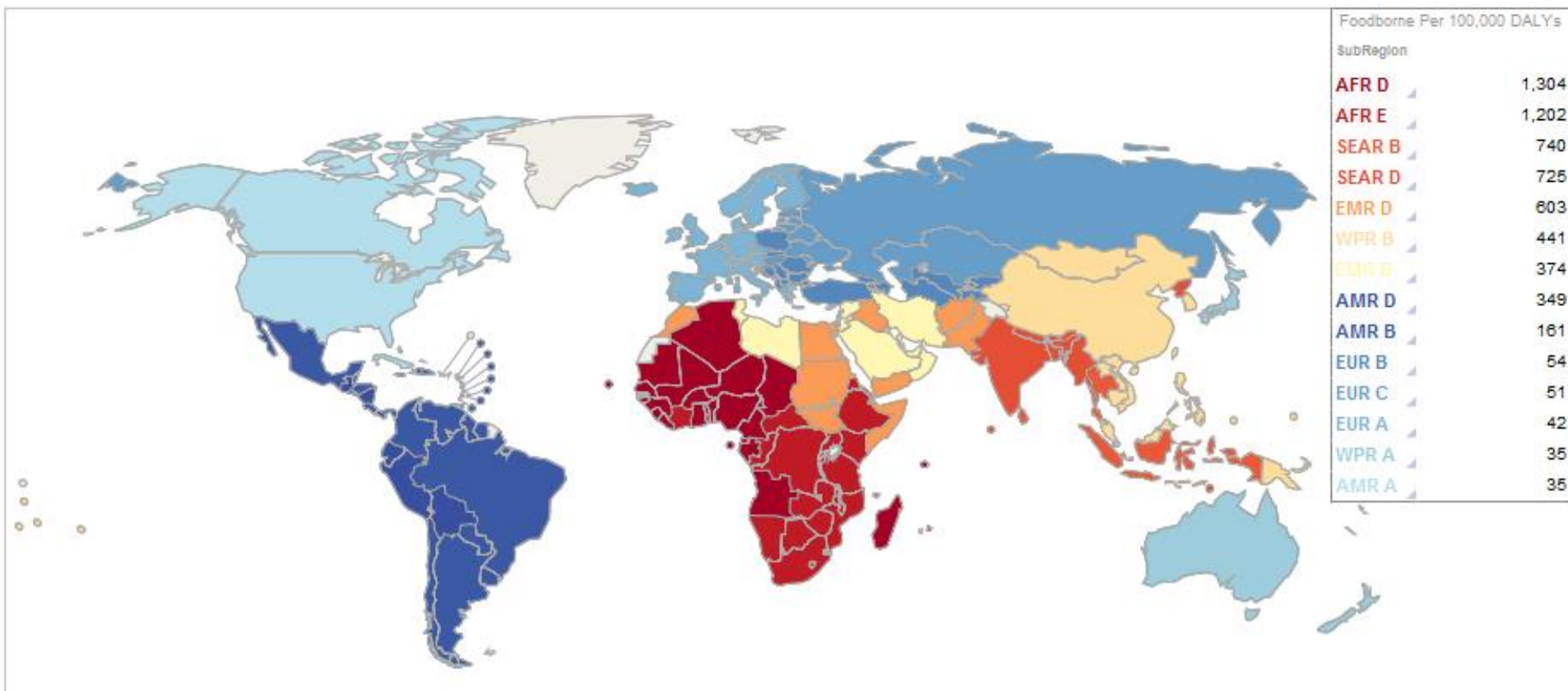
#SafeFood

Source: WHO Estimates of the Global Burden of Foodborne Diseases, 2015.



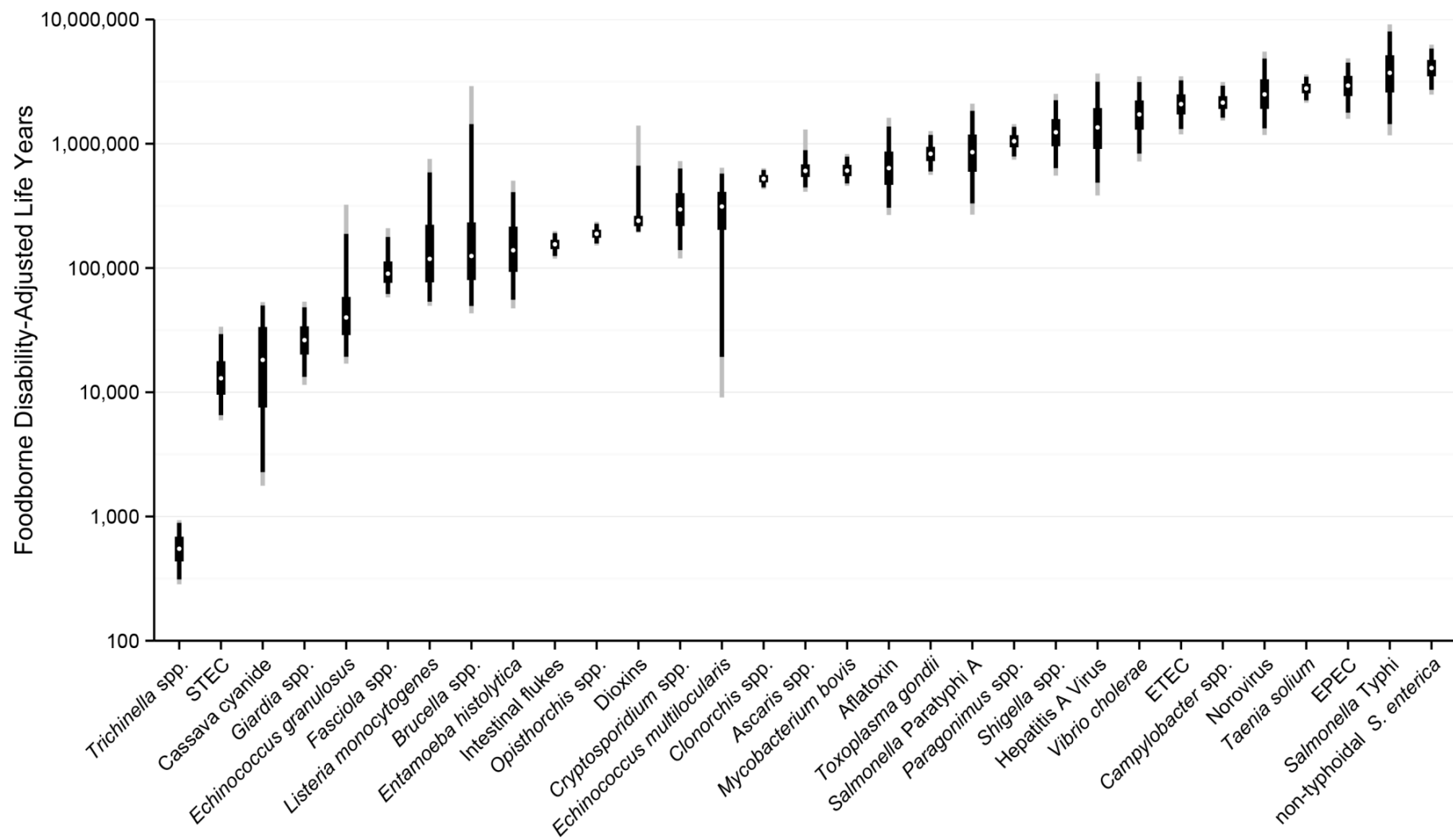
World Health
Organization

FERG • Key findings



All hazards: 600M illnesses; 420k deaths; 33M DALYs
Diarrheal hazards: 550M illnesses; 230k deaths; 18M DALYs

FERG • Key findings





THEORY OF CHANGE

Global Burden of Zoonoses

Global burden studies aim to support priority setting

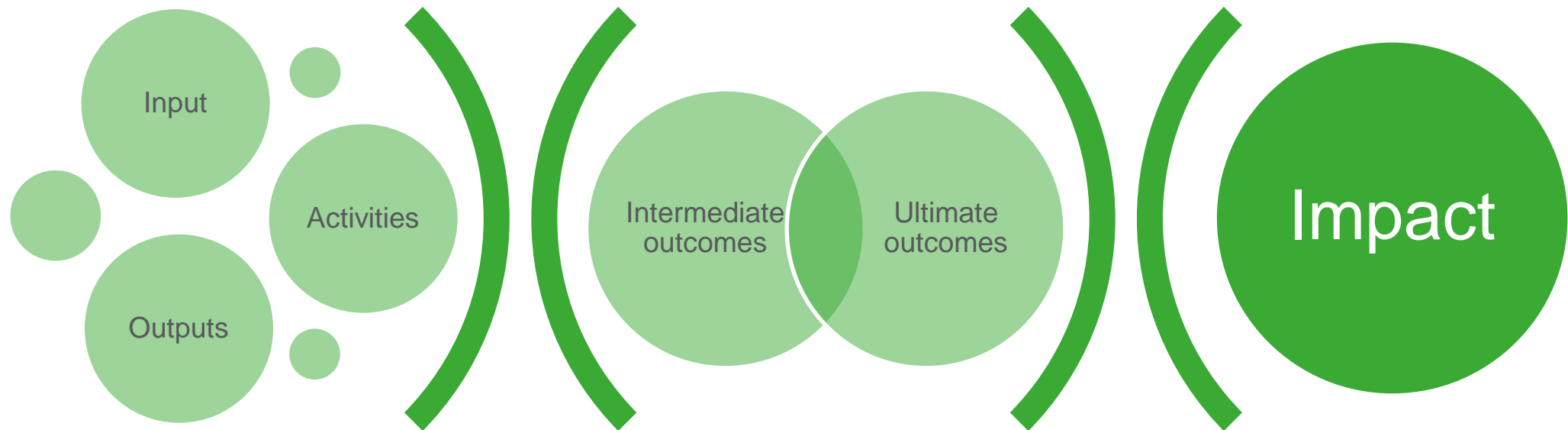
World Health Organization Global Estimates and Regional Comparisons of the Burden of Foodborne Disease in 2010

Arie H. Havelaar , Martyn D. Kirk, Paul R. Torgerson, Herman J. Gibb, Tine Hald, Robin J. Lake, Nicolas Praet, David C. Bellinger, Nilanthi R. de Silva, Neyla Gargouri, Niko Speybroeck, Amy Cawthorne, Colin Mathers, [...], on behalf of World Health Organization Foodborne Disease Burden Epidemiology Reference Group  [view all]

Published: December 3, 2015 • <https://doi.org/10.1371/journal.pmed.1001923>

Recognizing the need for global and regional estimates of FBDs to guide public health policy, in 2006 the World Health Organization (WHO) launched the 'Initiative to Estimate the Global Burden of Foodborne Diseases' [4]. The primary goal of this initiative is to enable policy makers and other stakeholders to set appropriate, evidence-based priorities in the area of food safety.

FERG • Theory of Change



FERG • Theory of Change



FERG • Theory of Change



Intermediate
outcomes

Enhanced
understanding of
foodborne disease
burden

Greater
awareness among
policymakers and
the public about
food safety

Improved **capacity**
among countries
to collect and
analyze foodborne
disease data



Ultimate outcomes

Increased
adoption of
evidence-based
food safety
policies and
regulations

Increased
international
collaboration and
harmonization of
food safety
standards

Enhanced **food
safety practices**
globally



Impact

Significant
reduction in the
global burden of
foodborne
diseases

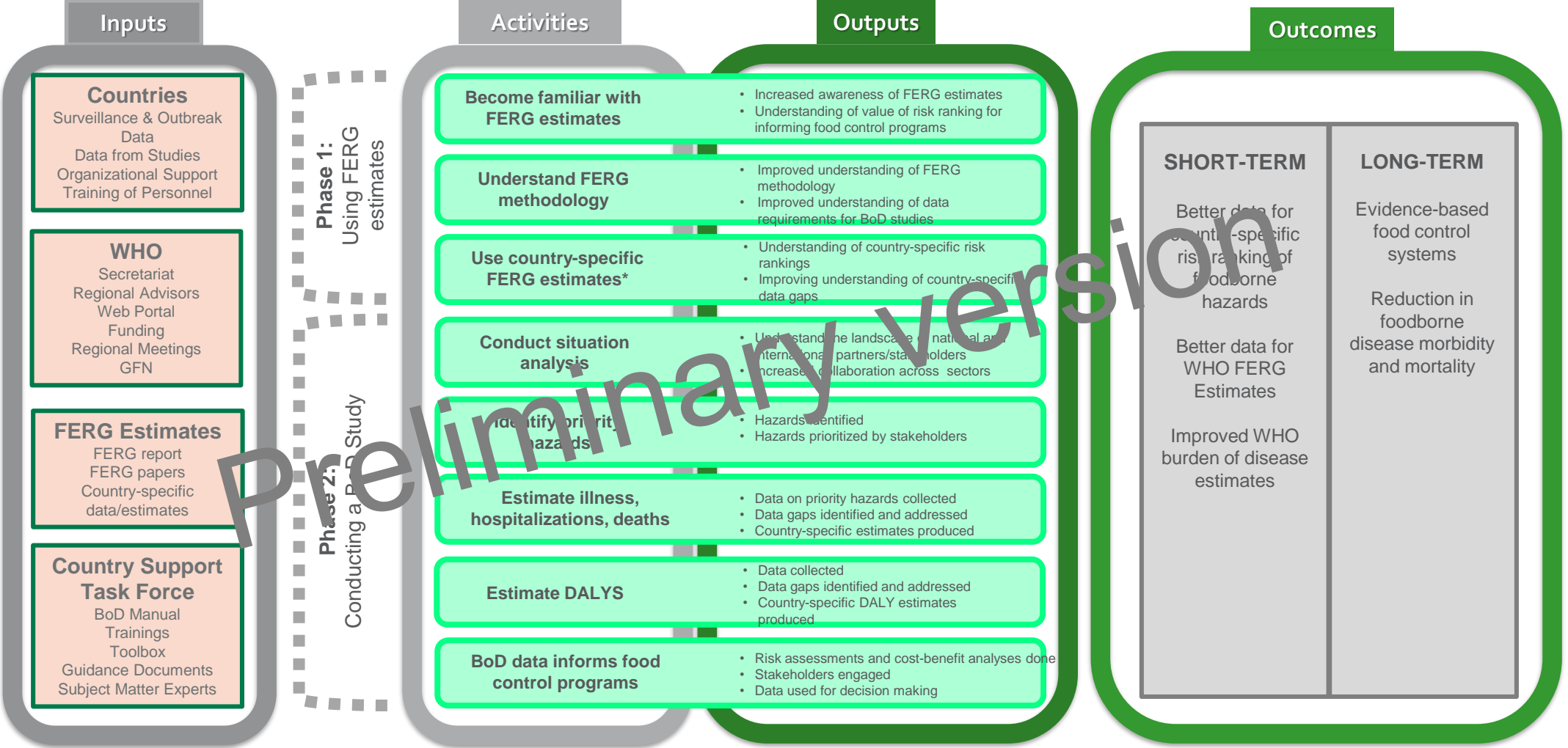
.. leading to
improved public
health, reduced
healthcare costs,
and safer food
systems worldwide

Impact pathways require increased availability

How to increase availability of estimates?

- ✓ Generate estimates at country level .. and make it relevant
- ✓ Generate regular updates .. and remain relevant
- ✓ Create attractive data visualisation tools
- ✓ Share estimates as open data
- ✓ Be transparent about methods
- ✓ Actively disseminate results .. and go from global to national

Logic Model for using FERG estimates or conducting BoD studies



Abbreviations: BoD Burden of Disease; CSTF Country Support Task Force, FERG Foodborne Disease Burden Epidemiology Reference Group, GFN Global Foodborne Infections Network, SME Subject Matter Expert, WHO World Health Organization

*Country-specific estimates can be supplied on request to the national food safety representative by Department of Nutrition and Food Safety (NFS), WHO, Geneva.

Towards a sustained impact

- ❖ Global burden initiatives establish global evidence bases
- ❖ Global burden initiatives strengthen international collaboration
- ❖ Improved methodological frameworks lead to increased availability
- ❖ Translation into national level can lead to sustained impact