

DELIVERING FOR NUTRITION IN SOUTH ASIA CONNECTING THE DOTS ACROSS SYSTEMS

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Climate Change, Food Systems, and Nutrition: A One Health Rapid Review

A catalog of evidence from South Asia

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Rationale

Looking at Food Systems through the 'One health' lens

- Concerted effort by global institutions to "address risks at the human-animal-ecosystems interface"
- Since 2010, a tripartite collaboration between FAO, WOAH, and UNEP has made to facilitate work on One Health
- More recently in 2022, a quadripartite was established with the inclusion of WHO

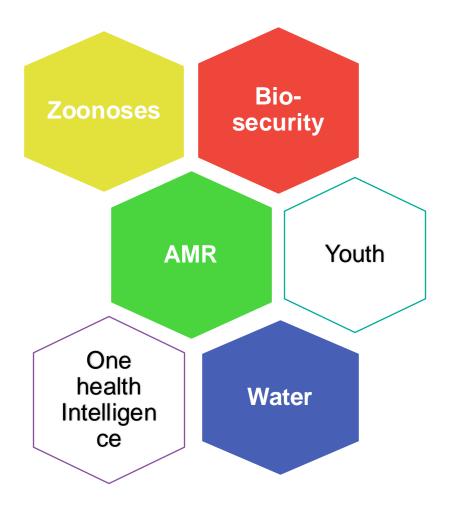


Looking at Food Systems through the 'One health' lens

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FAO's areas of work in One Health

FAO's Strategic Framework 2022-2031





Better Production

Better Nutrition

Innovation for sustainable agriculture production / Blue transformation / **One Health** / Small-scale producers' equitable access to resources / Digital agriculture





Environment

Climate change

adapted agrifood

mitigating and

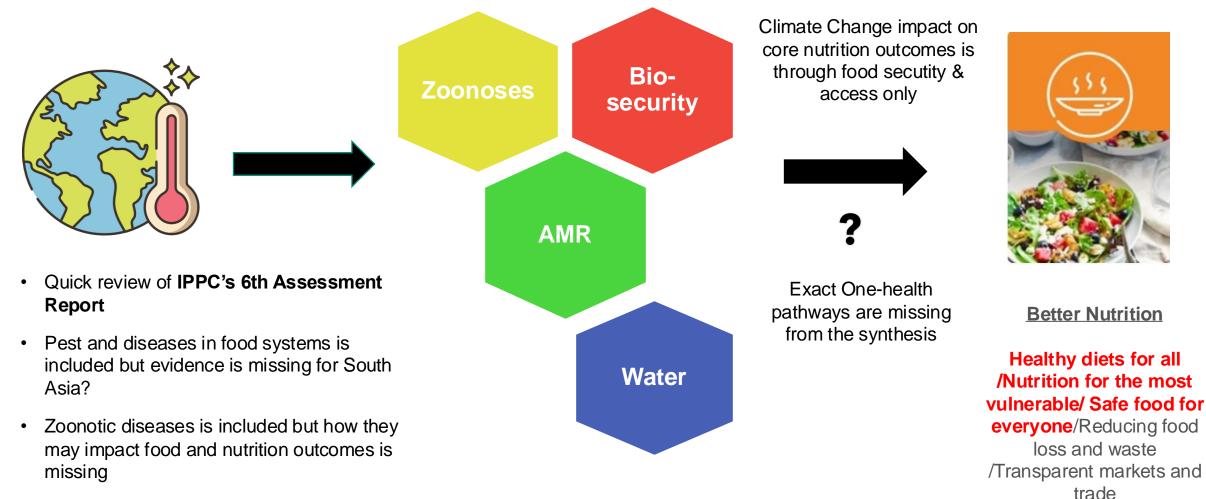
systems

Better life

Inclusive economic growth by reducing inequalities (urban/rural areas, rich/poor countries, men/women).

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• AMR is missing, from climate change impact

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Approach & Methodology

Systematic Maps for Evidence Synthesis

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- Spotlight on interdiscipliary and collaborative work, which is the crux of the "One Health" approach
- Cataloging interdisciplinary research done so far, identifiying gaps in existing literature
- Identifying evidence-based linkages between FAO's One Health and other priority areas
- Teasing out pathways of impact between Climate change and Food systems & ultimately Nutrition-related health outcomes, focusing on South Asia

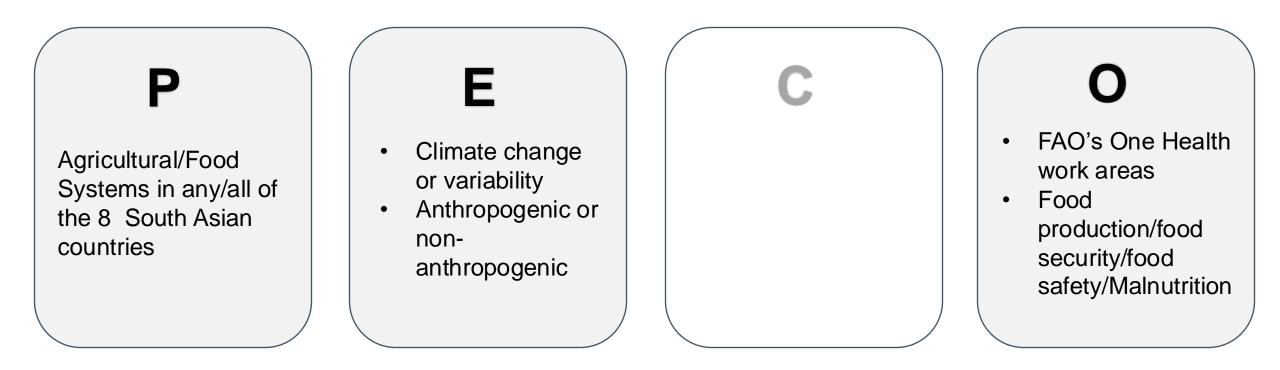
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Research Question

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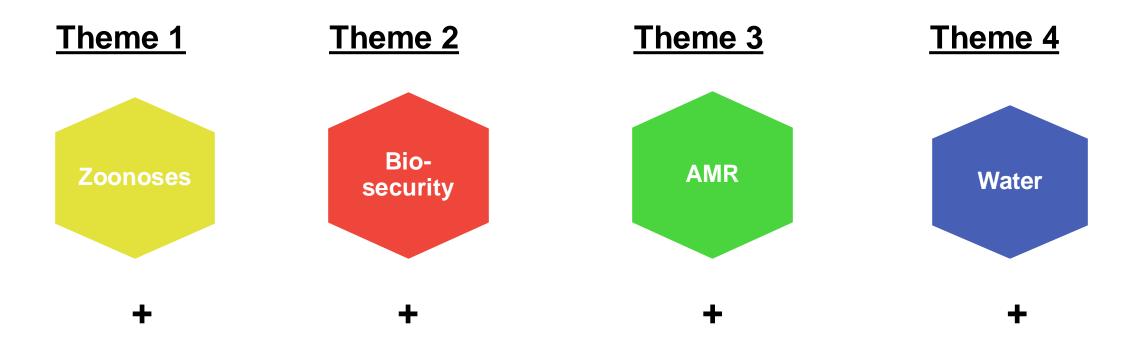
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What are the "One Health" pathways of Climate Change impact on human health & nutrition outcomes?





Approach to systematic maps: Search strategy



Food production OR Food safety OR Food security OR Malnutrition

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Search Protocol & Limitations

Efforts have been made to follow standard Sytematic Map guidelines



- Stakeholder Consultations have been prioritised including this conference presentation
- Maximize relevance of the evidence synthesis

- Databases used: Google Scholar, PubMed, AGRICOLA, AGRIS, Lens.org
- Types of evidence included: Primary research studies, modelling studies, reviews, and expert commentaries

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Findings & Implications