

# Agriculture Health Equity Nexus in the context of climate change

## A rapid evidence review

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### Introduction

The link between poverty and health inequalities is well established as those living in poverty are more likely to experience both inequitable health service provision and adverse social and environmental determinants of health. Given the role of agriculture as a primary livelihood for the world's extremely poor (World Bank 2020), this research takes a holistic approach to agriculture and health (including health equity) equity to examine the linkages and to understand the main interfaces between health and agricultural policy that integrated rural policy could address.

This poster summarises the preliminary results from research commissioned by the World Health Organisation to SRUC exploring the agriculture and health equity nexus. It builds upon previous work by Swift Koller (forthcoming) which identified key components of the Nexus using thematic analysis. The results of this work will be reported in a World Health Organisation report in 2025.

### Methods

This project used multiple methods including:

i) A rapid evidence review of literature, ii) discussions/workshop with experts and iii) case studies

The rapid evidence review looked at literature in the SCOPUS database that related to the domains as identified in the Agriculture- Health Nexus (Swift Koller and Chater, forthcoming).

### Recommendations

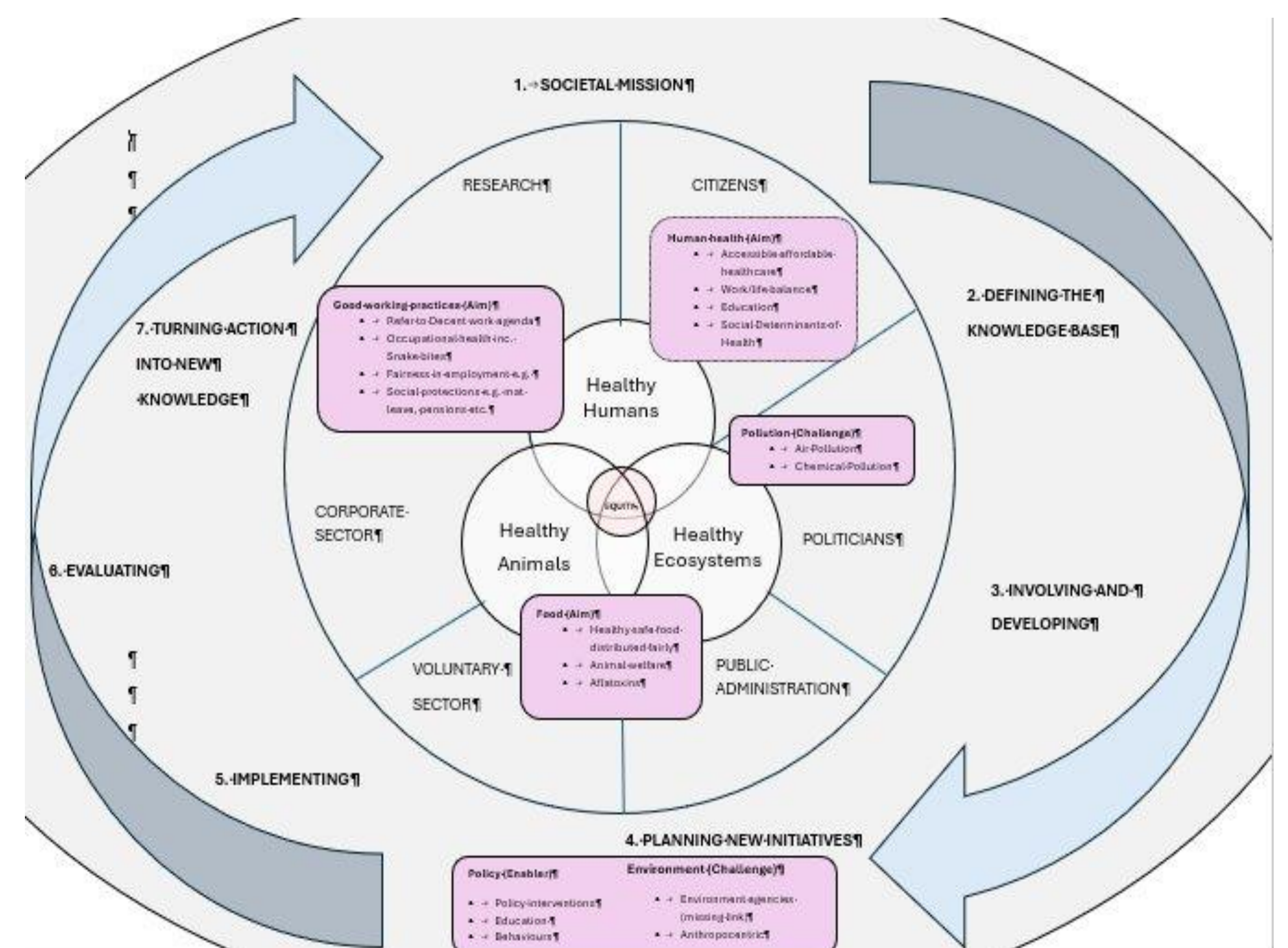
The findings from the various activities were synthesised and explored to produce the rapid evidence review. These results were also to update the Agriculture-Health Nexus model to include the environmental domain aligning it more to a One Health perspective (see Figure 1).

Key recommendations from the report include:

1. Policy coherence
2. Service delivery platforms/mechanisms
3. Information systems and data
4. Governance for health equity
5. Empowering communities through participatory research for Place-Based Solutions
6. Integrating local knowledge and initiatives with Top-Down approaches to build community resilience
7. Creating inclusive and adaptable strategies for cross-sector collaboration
8. Expanding GIS technology to enhance human capital and health outcomes
9. Strengthening antimicrobial stewardship and surveillance to combat AMR
10. Ensuring Safe and Nutritious Food is Fairly Distributed

Following this discussions with experts were used to identify gaps. The case studies cover school feeding programmes, social farming, farmer field schools, mental health of agricultural workers and collaboration for tuberculosis. Case studies were selected to highlight the success of a variety of initiatives across different domains of the Agriculture – Health Nexus in different contexts.

Figure 1 – Adapted model depicting necessary steps for achieving sustainable and equitable outcomes through One Health model:



### Future work

This work will be finalised over the next few months and will be published in a WHO report in 2025. This work further highlights the linkages between human, animal and environmental health and the transdisciplinary approaches required to work across these areas.

### Acknowledgement

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### References

Swift Koller, T. and Chater, A.B. (forthcoming). 'Frontiers in tackling spatial inequalities: thematic analysis of 51 expert narratives on rural health equity,' Rural and Remote Health  
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