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The future of public health hinges on developing an integrated health system that reduces the global burden of disease and enhances community well-being through the One Health Concept.

BACKGROUND

- In a globalized world facing climate change, emerging diseases, and resource scarcity, a shift in our health paradigm is essential.
- Integrated health approaches must prioritize the protection of humans, animals, and the environment.
- New technologies, like blockchain, are critical for decentralizing health systems and fostering innovation.
- The "New One Health" (NEOH) concept highlights the need to address technical and adaptive challenges in creating sustainable health solutions.
- This study aimed to describe a transdisciplinary integrated health system that reduces the global disease burden.

METHODS

We outline the shift from a sectorial to an integrated health system (Figure 1), where political authorities lead the mobilization of a transdisciplinary team. This team collaborates with ministries, civil society, and other initiatives to define and implement health policies based on the New One Health (NEOH) approach. Advanced technologies are used for secure information management and communication, with leadership and contextualization driving the sustainability of the entire ecosystem

RESULTS

Expected outcomes of integrating the NEOH concept & using a transdisciplinary approach:

- Creation of sustainable, integrated health systems that protect animals, biodiversity, and the environment while reducing costs.
- Strengthened global health ecosystem with improved resilience and interconnectedness.
- Enhanced pandemic preparedness, prevention, and control strategies.
- Reduction in the global burden of diseases.

CONCLUSIONS

- Emerging diseases and major health challenges require a shift in our understanding of health.
- New technologies provide valuable opportunities to enhance integrated health systems.
- A transdisciplinary approach is essential to ensure the sustainability of future health solutions.

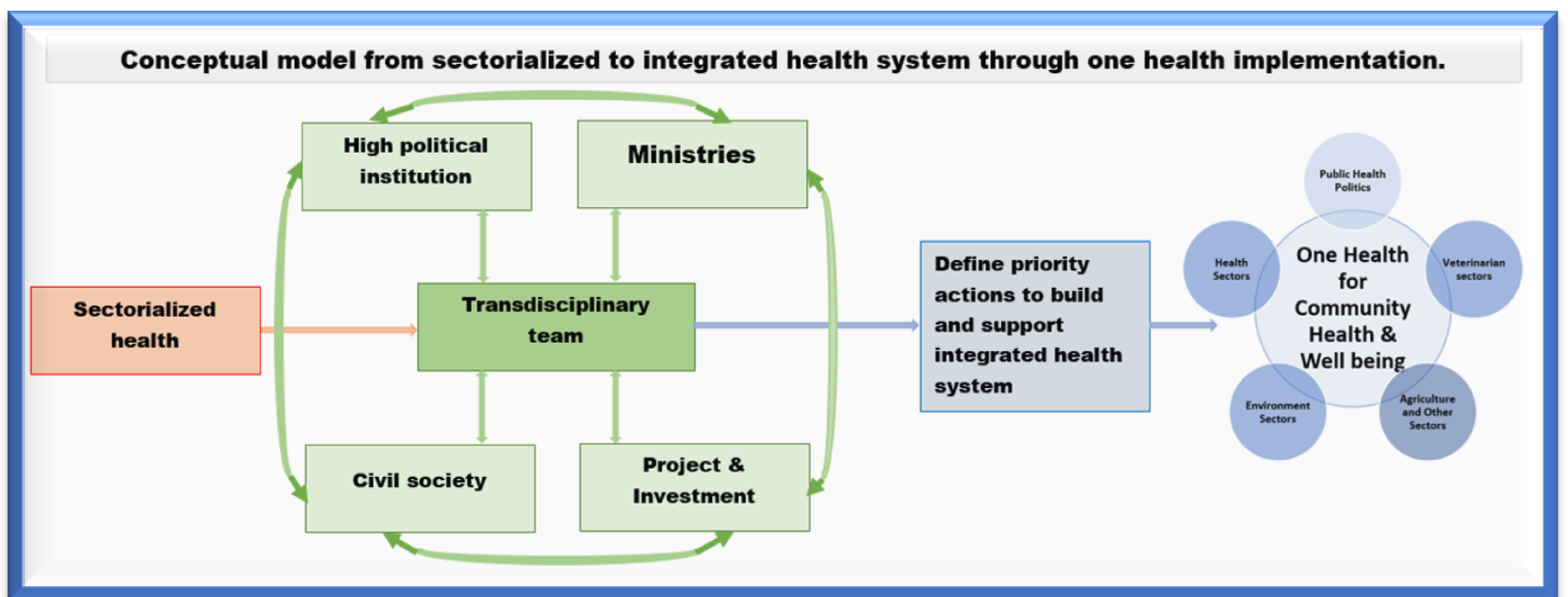


Figure 1: Conceptual model of an integrated health system through the new One Health approach.

ADDITIONAL KEY INFORMATION

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