



Food and Agriculture  
Organization of the  
United Nations

GLOBAL  
SYMPOSIUM on  
**SOILS** and **WATER**

02-05 October, 2023

Soil and water:  
a source of life

A stylized illustration of a plant with green leaves and a root system that is colored in shades of blue and brown, symbolizing the connection between soil and water. The plant is set against a background of dark, rich soil.

# Setting the scene on One Health

Fairouz Larfaoui,  
One Health and Disease control group  
FAO HQ





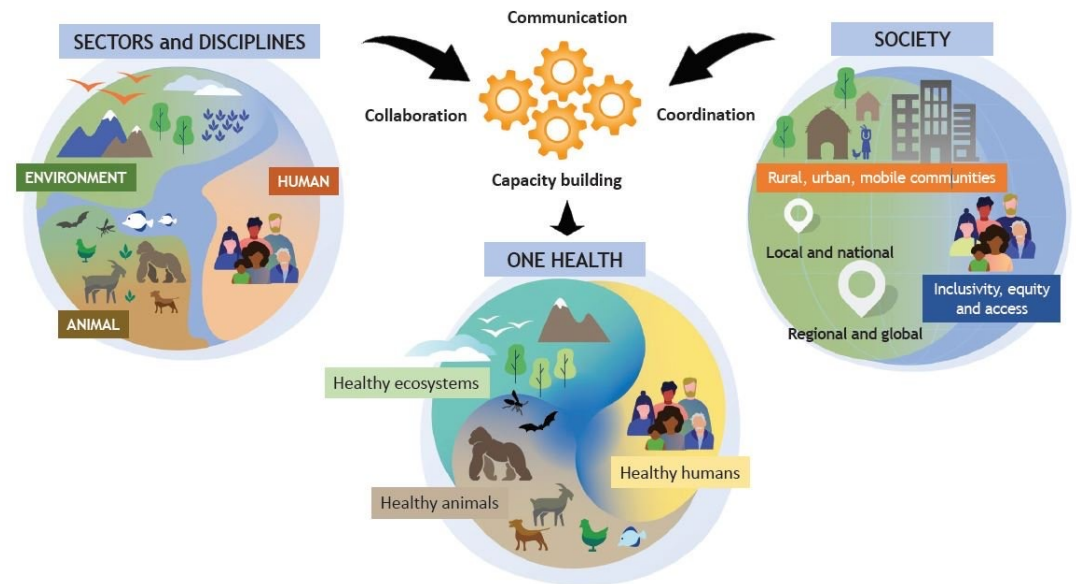
# One Health definition

*One Health is an integrated, unifying approach that aims to sustainably balance and optimize the health of people, animals and ecosystems.*

*It recognizes the health of humans, domestic and wild animals, plants, and the wider environment (including ecosystems) are closely linked and inter-dependent.*

*The approach mobilizes multiple sectors, disciplines and communities at varying levels of society to work together to foster well-being and tackle threats to health and ecosystems, while addressing the collective need for clean water, energy and air, safe and nutritious food, taking action on climate change, and contributing to sustainable development*

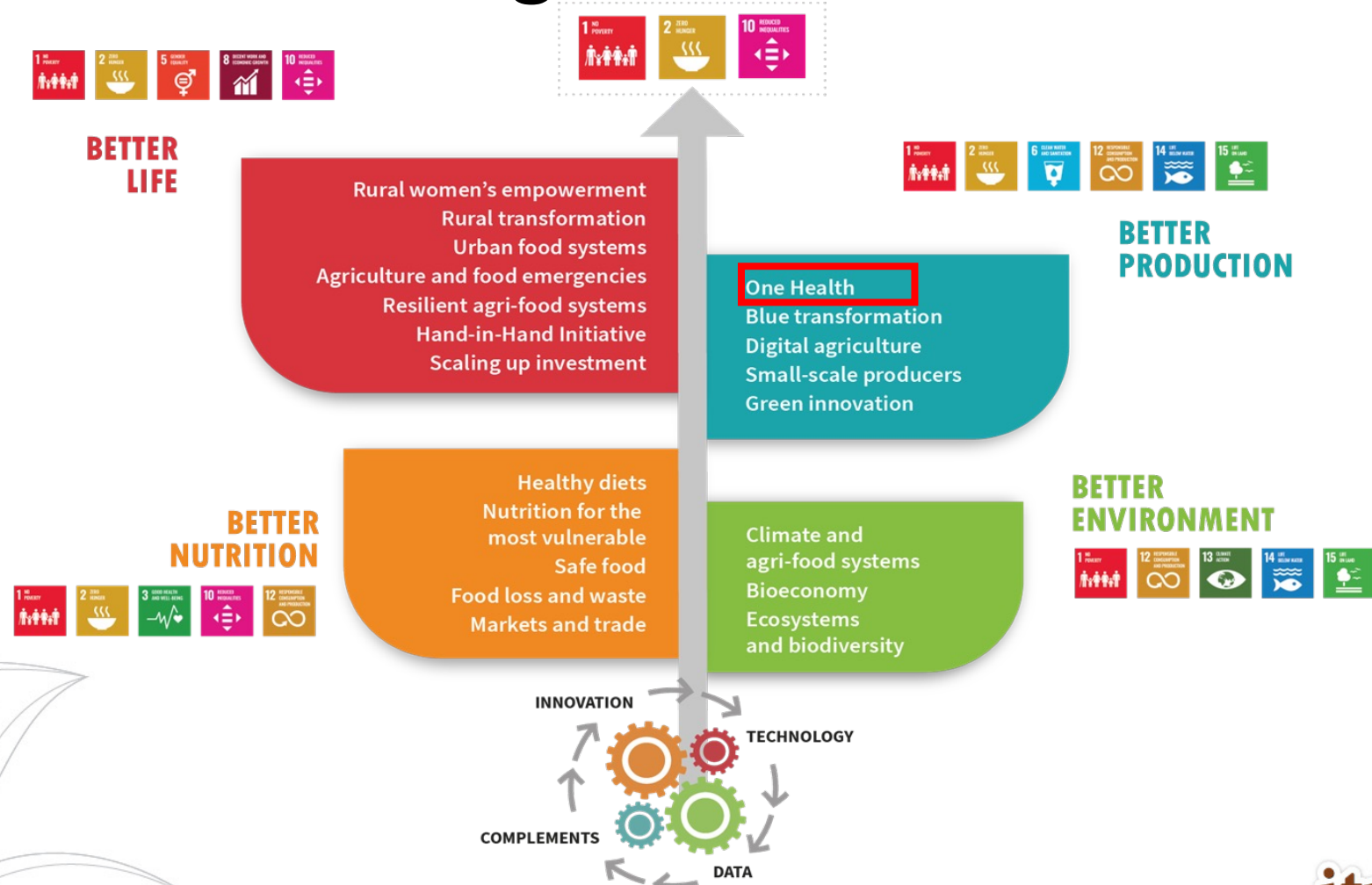
**Source:** OHHLEP, December 2021



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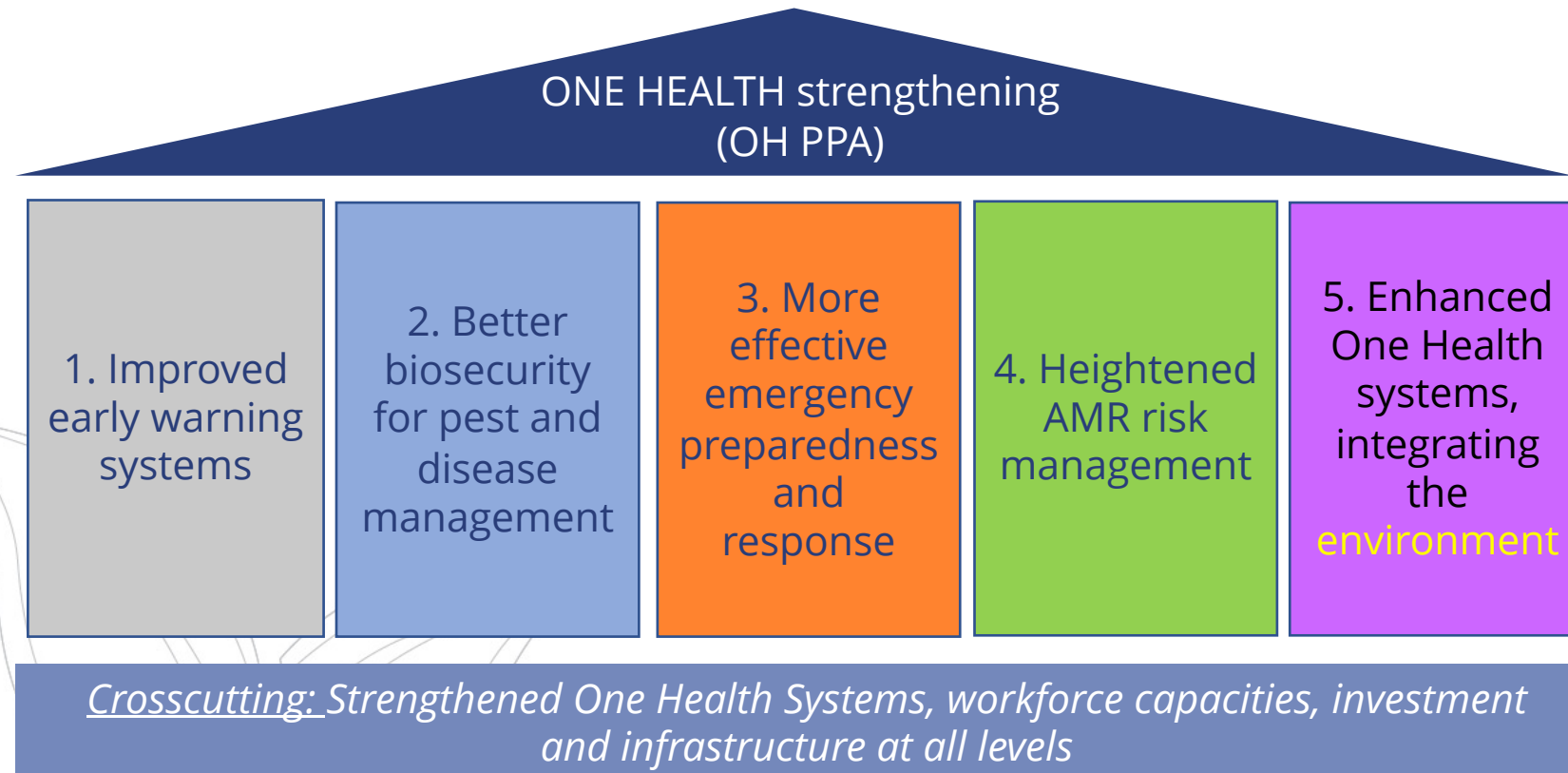
# One Health Priority Programme Area (OH PPA) as part of the FAO Strategic Framework 2022-30

Leaving no one behind  
through sustainable,  
inclusive and resilient  
agri-food systems



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# One Health Priority Programme Area (OH PPA)



SUSTAINABLE DEVELOPMENT **GOALS**



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Invasive species have no boundaries - managing forest invasive species needs national & regional collaboration.



ONE HEALTH in AGRIFOOD SYSTEMS TRANSFORMATION



## COAG Sub-Committee on Livestock established Successful First Session (16-18 March 2022)

Participation of over **600** delegates representing

- **129** FAO Member Nations
- **20+** UN agencies, IGOs, NGOs, CSOs, PSOs



### COAG28 approved **3 major areas of work:**

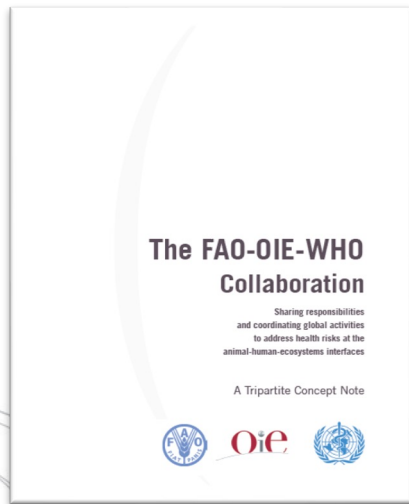
1. **Sustainable livestock** sector for food security and nutrition and inclusive economic growth
2. **Animal, public and environmental health** through the One Health approach
3. **Natural resource use, climate change and biodiversity**



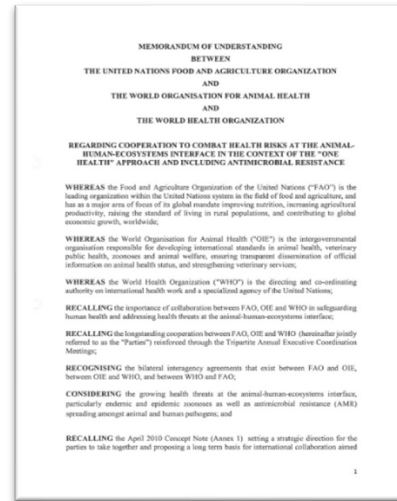


# Quadripartite collaboration

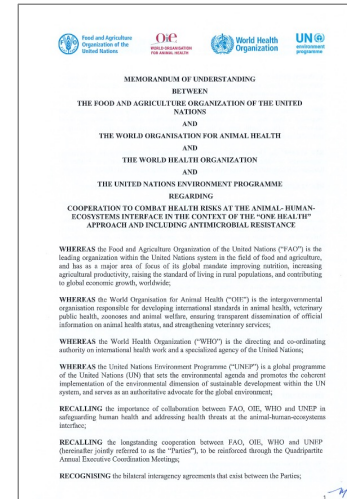
Tripartite Concept Note  
April 2010



Tripartite MoU  
May 2018



Quadripartite MoU  
March 2022



- Policy advice and advocacy
- Strategy development and capacity building
- Evidence and knowledge

*To consolidate, develop and harness the cooperation and effectiveness to address the threats at the human-animal-plant-environment interface, particularly preventing further zoonotic pandemics and AMR, by means of a strengthened "One Health" approach.*

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# Quadripartite activities: The One Health Joint Plan of Action (OH JPA)

**Action Track 1: Enhancing One Health capacities to strengthen health systems**

**Action Track 6: Integrating the Environment into One Health**

**Action Track 5: Curbing the silent pandemic of Antimicrobial Resistance (AMR)**

**Action Track 4: Strengthening the assessment, management and communication of food safety risks**

**Action Track 2: Reducing the risks from emerging and re-emerging zoonotic epidemics and pandemics**

**Action Track 3: Controlling and eliminating endemic zoonotic, neglected tropical and vector-borne diseases**



One Health Joint Plan of Action, 2022-2026



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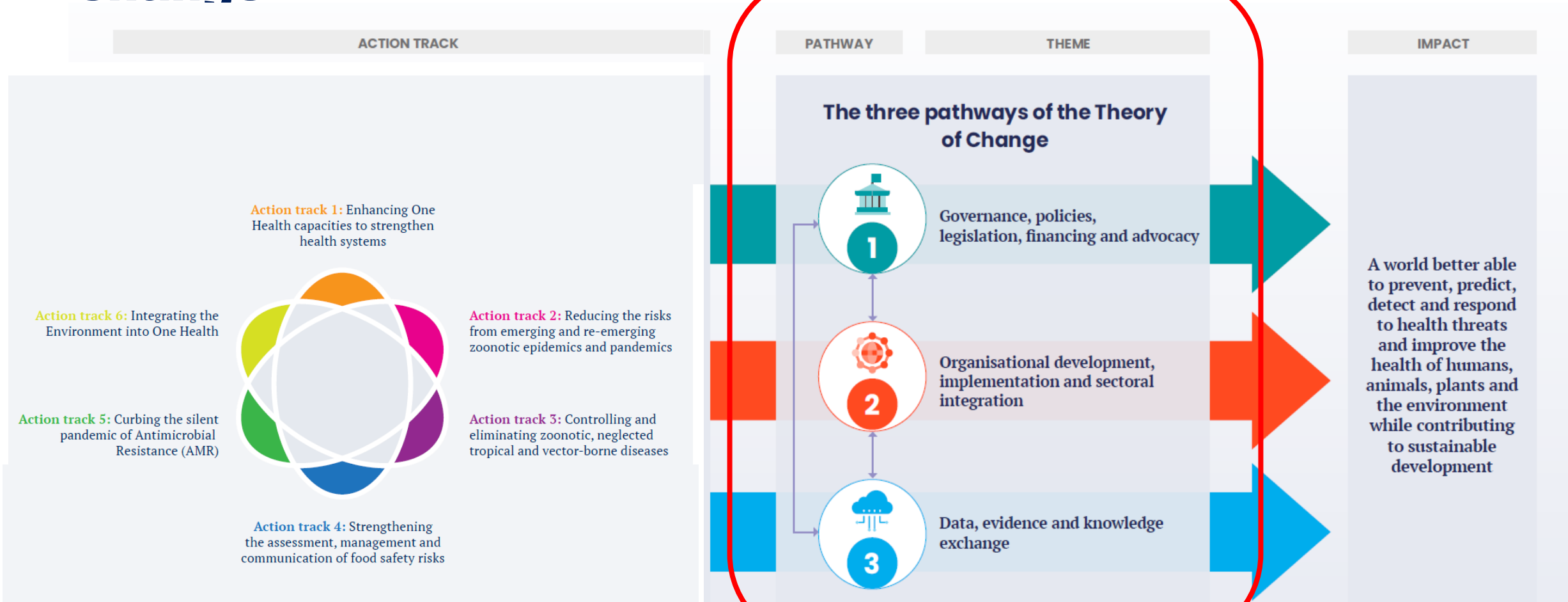
# Overview of the Implementation Guide



OH JPA Launch event during the World Health Summit, Berlin, in October 2022

Following the launch of the OH JPA, development of the complimentary **implementation guide** began to support and translate the objectives and high-level activities into **practical guidance** that can be adapted to **national level contexts**.

# Basis of the Implementation Guide: Three pathways of change

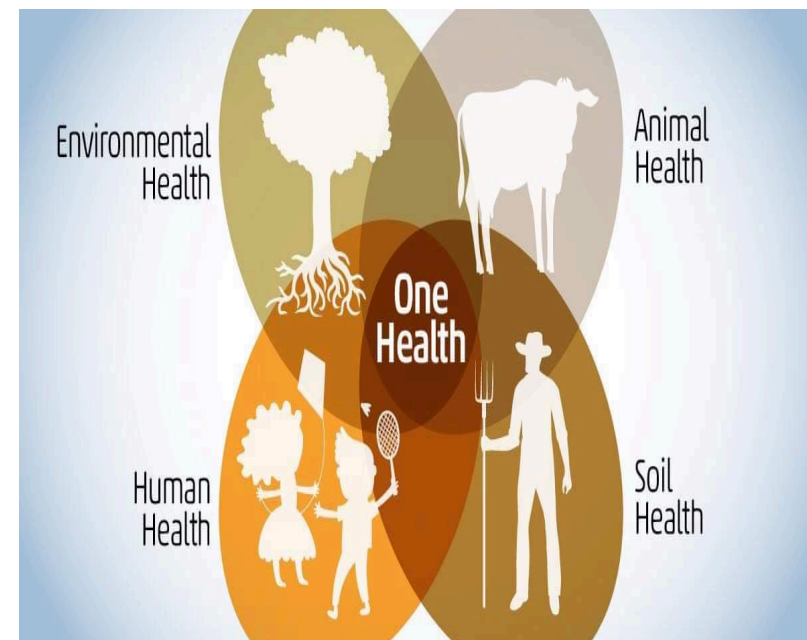




# Why One Health approach should be applied to Soil Health and Water?

## *Some examples:*

- **When soil contaminant attenuation capacity exceeded**, soil pollution becomes a critical concern for the health of the soil, the environment and people. Soil thus can become a source of contaminants for other environmental compartments, including food, water, air, and terrestrial and aquatic organisms and humans.
- **Air pollution** by chemical, physical or biological agents, fresh water and ocean pollution leads to **the accumulation of toxic chemicals, heavy metals and microplastics** in the human food chain with impact on humans and animals health.



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- **Pollution of water with problematic hazards** (e.g., bacteria, virus, parasites, plastics, nitrogen, pesticides, herbicides) - water is connected to everyone and has a lot of potential effects.
- **Polluted water causes diseases** in animals, humans, plants, ecosystems – a OH approach to risk mitigation
- Sustainable water and land use – ensure that **water and land are managed carefully** in terms of **both quantity and quality** so that it can still be available for humans, plants, animals, or ecosystems.



**System thinking**

**Collaboration**

**Equity**

**Transdisciplinary**





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**Thank you!**

