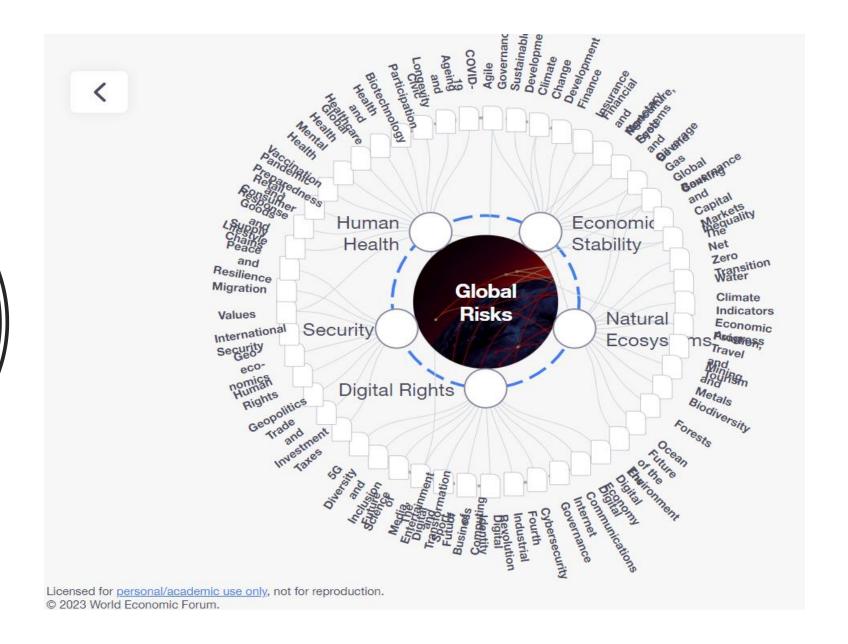
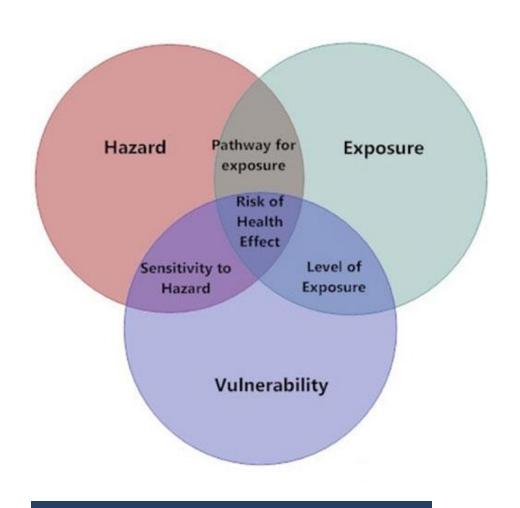


Changing landscape of global risks



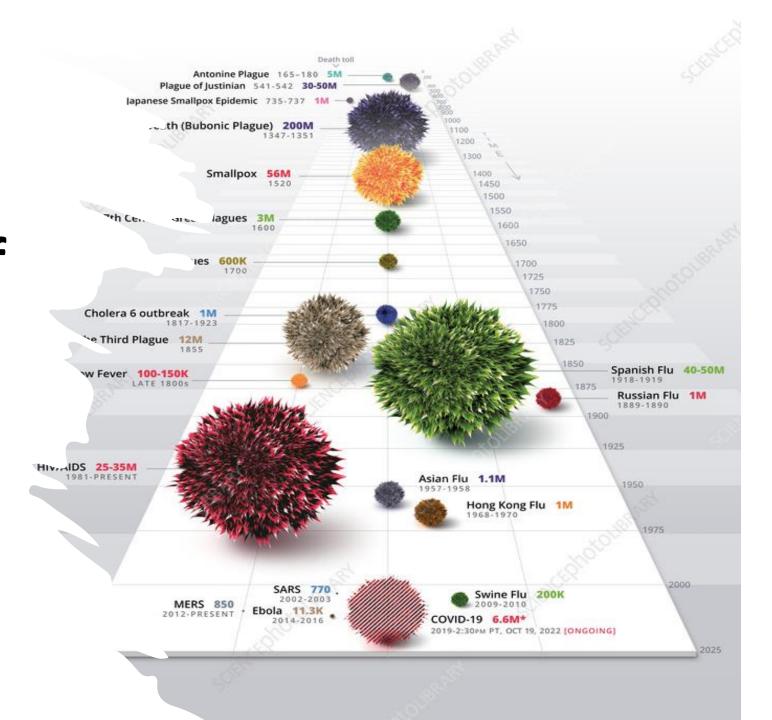
## Understanding Risk



**Coping Capacity** 



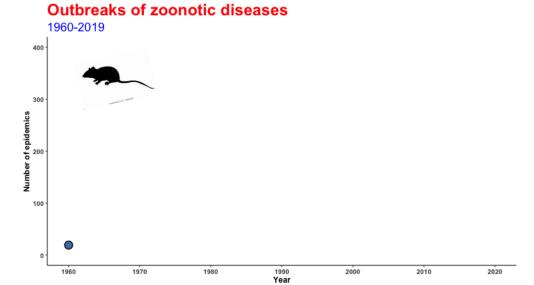
## Increasing risk of pandemics



## An increasing number of outbreaks



Humans

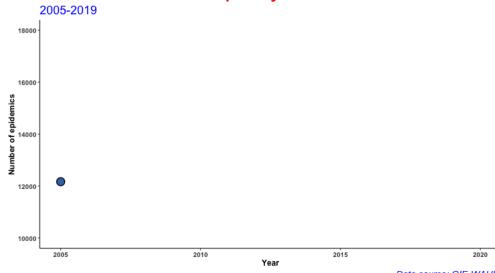


Data source: GIDEON

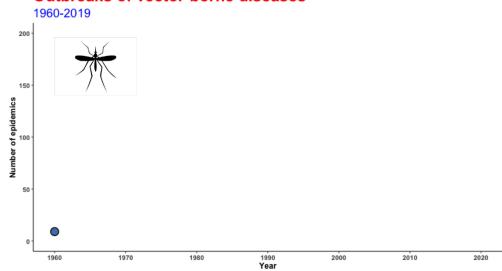
#### Outbreaks of livestock - poultry diseases



Livestock

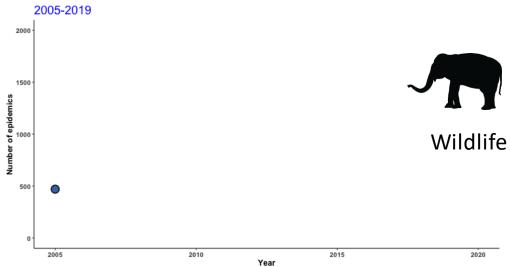


#### **Outbreaks of vector-borne diseases**



Data source: GIDEON

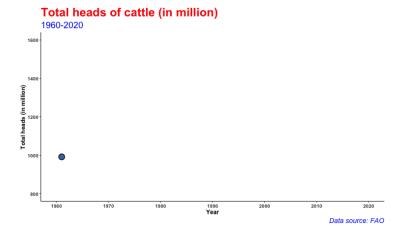
#### **Outbreaks of wildlife diseases**



Data source: OIE-WAHIS

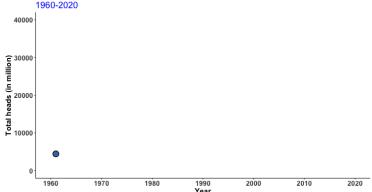
Data source: OIE-WAHIS



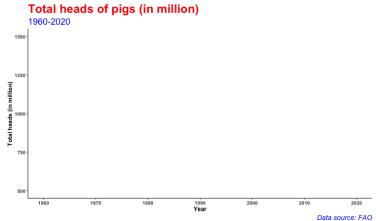




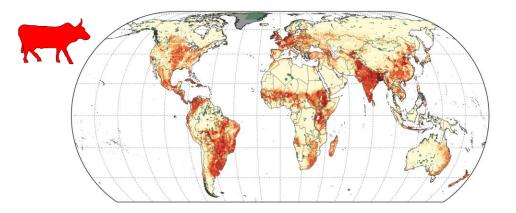


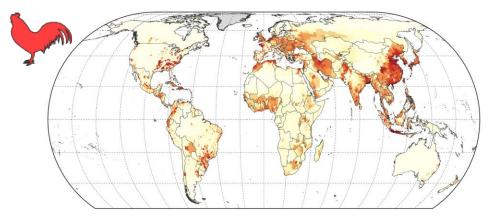


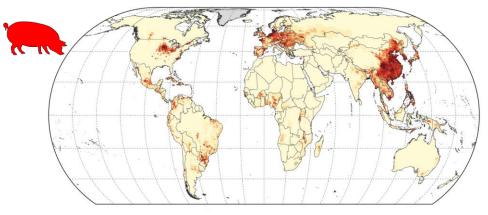


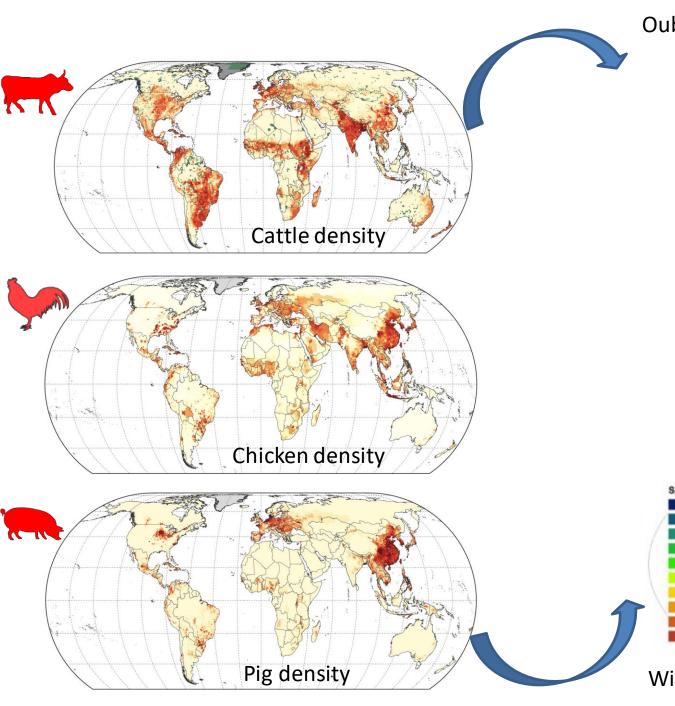


Data source: FAO

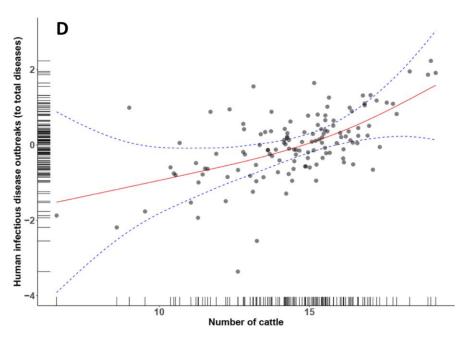


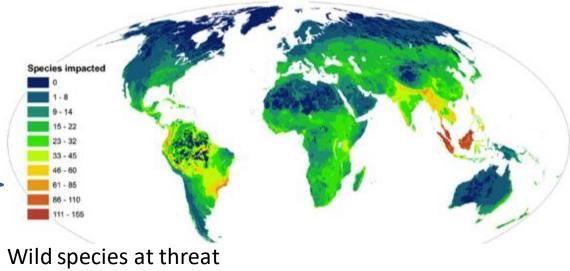


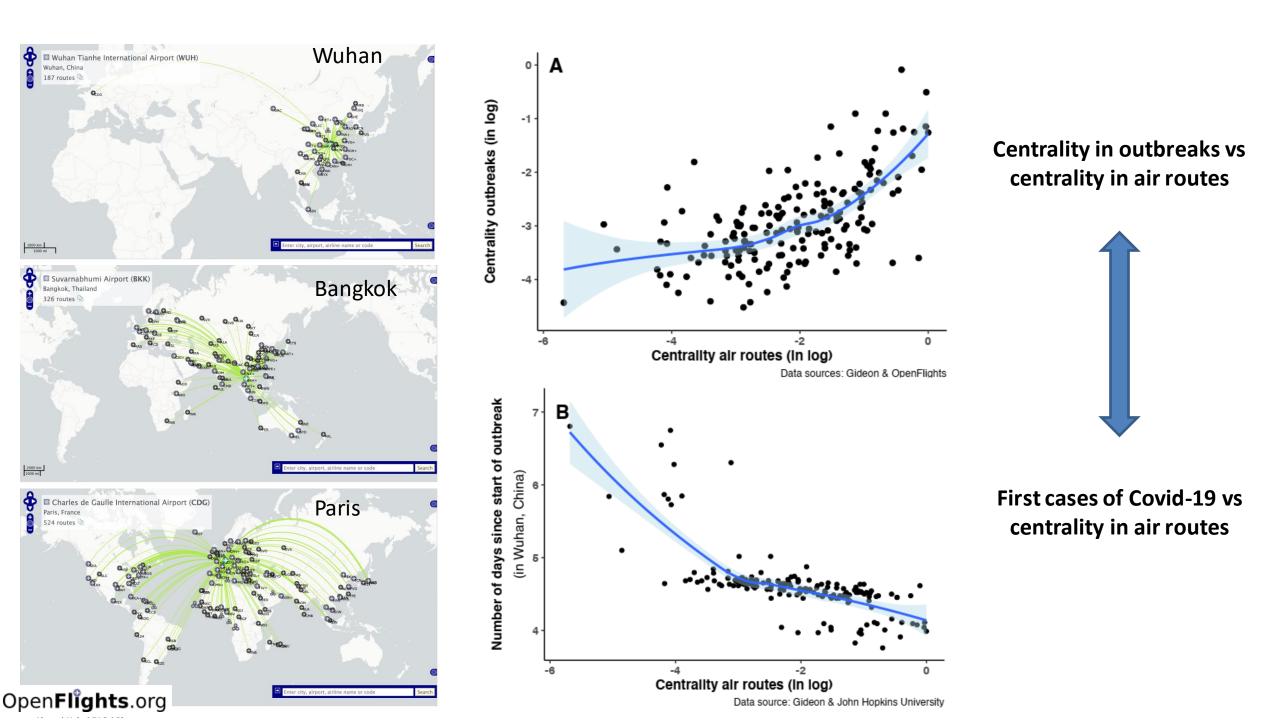




### Oubreaks of zoonoses

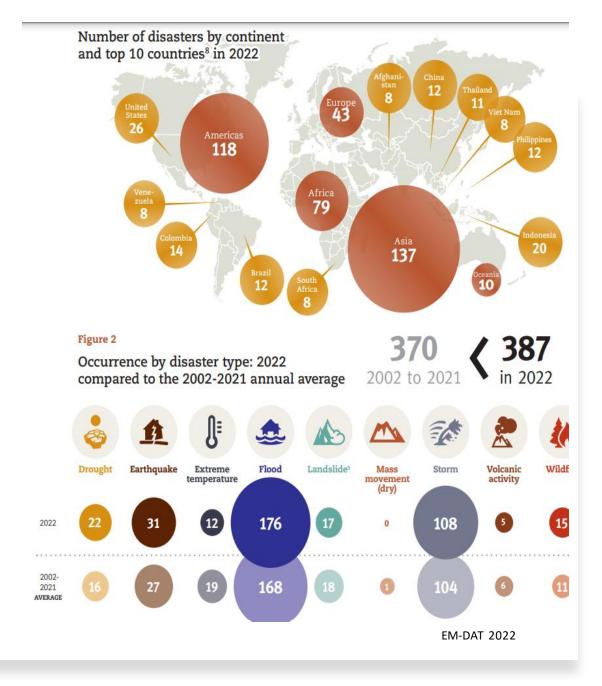






## Disasters in 2022

• In 2022,1 the Emergency Event Database EM-DAT recorded 387 natural hazards and disasters worldwide,2 resulting in the loss of 30,704 lives 3 and affecting 185 million individuals. Economic losses totaled around US\$223.8 billion. Heat waves caused over 16,000 excess deaths 4 in Europe, while droughts affected 88.9 million people in Africa. Hurricane Ian single-handedly caused damage costing US\$100 billion in the Americas. The human and economic impact of disasters was relatively higher in Africa, e.g., with 16.4% of the share of deaths compared to 3.8% in the previous two decades. It was relatively lower in Asia despite Asia experiencing some of the most destructive disasters in 2022.



## **Drivers of risks**

Health risks including pandemic potential

Human – animal – plant – environment interface

ENVIRONMENT HUMAN

ANIMAL

Land use changes

Climate change and extreme weather events

Habitat encroachment and deforestation

Human and

animal movements

Agricultural expansion

Wildlife trade

Poverty and inequality

Population growth

Unsustainable livestock production and value chain risks

Underinvestment in One Health systems



## **One Health**

### One Health Definition developed by the OHHLEP

"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 interdependent.

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".

**PLOS PATHOGENS** 



#### ONE HEALTH QUADRIPARTITE JOINT PLAN OF ACTION (2022-2026)

## WORKING TOGETHER FOR THE HEALTH OF HUMANS, ANIMALS,

PLANTS AND THE ENVIRONMENT

# Policy, legislation, advocacy, and financing Organizational development, implementation and sectoral integration Data, evidence, and knowledge

### The OH JPA-Six Action Tracks

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





Launched 17 October 2022

FAO, UNEP, WHO, and WOAH. 2022. One Health Joint Plan of Action (2022-2026). Working together for the health of humans, animals, plants and the environment. Rome. https://doi.org/10.4060/cc2289en

Action Track 6: Integrating the Environment into One Health

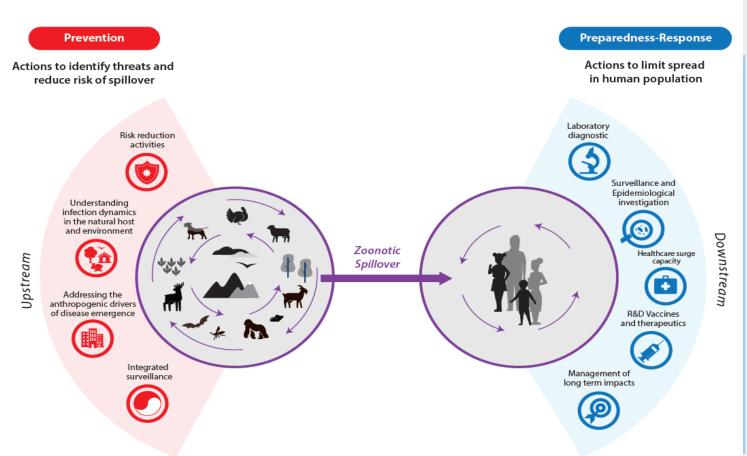








## **Prevention of Spillover**



#### PREVENTION OF ZOONOTIC SPILLOVER TO HUMANS

Prevention of pathogen spillover from animals to humans; shifting the infectious disease control paradigm from reactive to proactive (Primary prevention). Prevention includes addressing the drivers of disease emergence, namely ecological, meteorological and anthropogenic factors and activities that increase spillover risk, in order to reduce the risk of human infection. It is informed by, amongst other actions, biosurveillance in natural hosts, people and the environment, understanding pathogen infection dynamics and implementing intervention activities.

PLoS Pathogens, submitted

## **Preventive Actions**

Preventive Actions should target 'activities' and 'places' that increase the risk of zoonotic spillover from animals to humans.

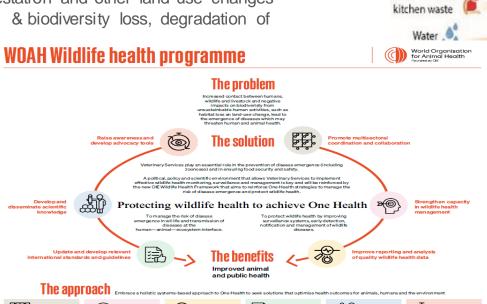
It requires a One Health (OH) approach that bring together human, animal, and environment sectors to work together on actions that include:

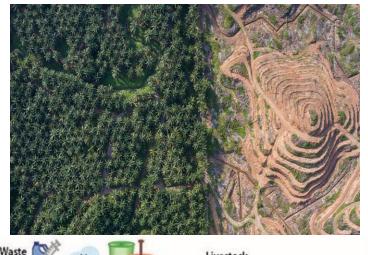
- 1) Expand viral discovery and integrated OH surveillance and data sharing.
- Monitor wildlife hunting, consumption and trade as well as large, high-density animal farming for viral infections.
- 3) Improve biosecurity at animal farms,
- 4) Strengthen multi-stakeholders coordination mechanisms/OH Platforms, at national, regional and international levels.,

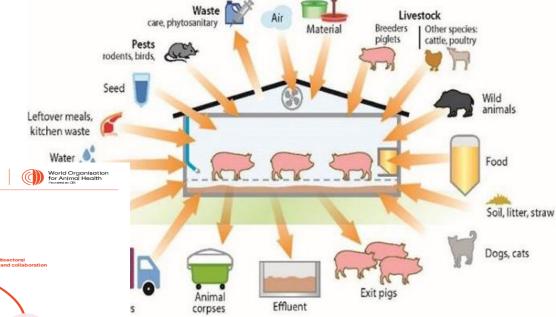
5) Prevent drivers of risk including deforestation and other land-use changes associated with agricultural expansion, & biodiversity loss, degradation of

ecosystems, and climate change









## **Relevant international legal instruments**

Overall goal	Reduce risk of infectious disease (re)emergence and spread in humans and animals			
Context	Environmental governance		Public health governance	
Approach	Deep prevention		Containment	
Stage of intervention	Upstream	Midstream	Downstream	
Focus	Preventing drivers	Preventing events	Detecting, reporting and containing events	
Regulatory target	Drivers of (re)emergence and spread	(Re)emergence (spillover, mutation, outbreak)	Human disease outbreak	Human disease spread
Instruments	International agreements, e.g. on wildlife trade (CITES), climate change (UNFCCC/PA), biological diversity (CBD, Biosafety Protocol), land-use change (CBD, UNCCD), international traffic, population movements, etc	Regulatory 'blind spot'	IHR (2005 or 2024), including self-assessment and Joint External Evaluation (JEE)  PWH, WTO General Exceptions, SPS, FTAs	
		The new pandemic treaty		

## Linkage to Biodiversity and Climate Change Global Frameworks





## Disaster Risk Reduction Framework

The Sendai framework recognizes that effective disaster risk reduction (DRR) requires expanding focus on the protection of livelihoods and productive assets. This includes livestock, working animals, tools and







## Global commitment

# G20 Ministers of Health reaffirm the urgent need to address global health under a One health approach





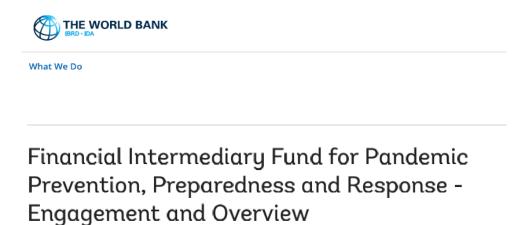
#### G7 Health Ministers' Communiqué

1. We, the G7 Health Ministers, met in Berlin, Germany, on 19 and 20 May 2022, at an extraordinary time of multiple, acute crises. We affirm our common values as a strong basis of collaboration and responsibility in challenging times like these: We have a special responsibility to foster better health solutions for the G7, as well as for all people. We are

12. We also welcome the recently announced operational definition of One Health by the work of the One Health High Level Expert Panel, endorsed by WHO, FAO, OIE and UNEP, and its forthcoming gap analysis and recommendations on monitoring and surveillance of emerging zoonotic diseases and priority activities, looking forward to considering the results of the One Health Intelligence Scoping Study as we agreed last year, as G7 Health Ministers, and we support the consideration of the inclusion of the One Health dimension in the new WHO convention, agreement or other international instrument on pandemic prevention, preparedness and response. We encourage other initiatives aiming at strengthening the implementation of the One Health approach such as Zoonotic Disease Integrated Action (ZODIAC) and Preventing Zoonotic Disease Emergence (PREZODE).

## Global commitment

- 1. Multilateral Funds & Multi-Partner Mechanisms
- 2. Bilateral governmental agreements
- 3. In kind contributions
- 4. Non-state actors



## The Quadripartite Call to Action









#### 1st Quadripartite Executive Annual Meeting

#### Joint Call to Action

Stressing the need for onhanced collaboration and open-itment to trenslate the One Health approach two policy action in all countries, the Duodripartite leaders arge all ensetties and key stalkeholders to promete and undertake the following priority actions:

- Prioritize the Health is the international political agenda, increase understanding and advocate for the adoption and promotion of the enhanced intersectant health governmence. The Dire Health approach should notably serve as a guiding principle in global mechanisms; including in the new pandersic instrument and the pandersic fund to strengther. paratierals prevention, preparedness and responses
- Strengthee national One Health policies, strategies and plans, costed and prioritized in line with the Quadripartite One Health John: Plan of Action (OH JPA), to foster wider I modernamication across relevant sectors and at all levels:
- Associated the implementation of One Health plans, including a population of national One Health governance and multisectoral operatination reachanisms, development of situation analyses, statisfielder reapping, priority setting, and restrict for One Health monitoring and evaluation frameworks:
- Build intersectand One Health workforces that have the skills, capacities and capabilities to prevent, detect, control, and respond to health throats in a timely and offective way, by strengthening juict pre-service and continuing education for human, smirred, and environmental health workforces;
- Strengthon and sustain presention of pandemics and health threats at source, targeting activities and places that increase the risk of aconotic salifoner between animals to Numaric:
- Encourage and strengthen One Hoolth scientific bnowledge and evidence creation and purhasps, respects and development, technology transfer and during and integrating of information and data and facilitate access to new tools and testinologies; and







Increase investment and financing of the Health strategies and plans ensuring scaled up implementation at all levels, including funding for prevention of health threats at

Showed by:

For Food and Agriculture Organization

For United Nations Environment Programme

Dete: 27 Morch 2023

Date: 27 Warth 2023

Date: 27 March 2023





# Tackling shared threats for a safer world

## **#WOAHGlobalConference**



3-5 April 2023