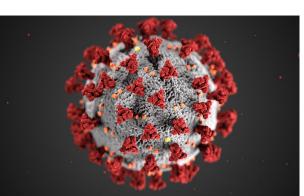
Cette présentation a été effectuée le 29 novembre 2023, au cours de la journée « *Une seule santé » :* aller au-delà des applications traditionnelles dans le cadre des 26es Journées annuelles de santé publique.

# Pondering One Health in Public Health Practice in Times of Unprecedented Change

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Are we ready for future health challenges (that are here now)

- We need to be in the business of keeping the world healthy into the future
  - But One Health focusses mostly on infectious disease of people now
- We are in the business of helping people make decisions
  - But predominantly describes harms and their causes
- We are in times of unprecedented change
  - But we are mistaking new technology and models for unprecedented ideas

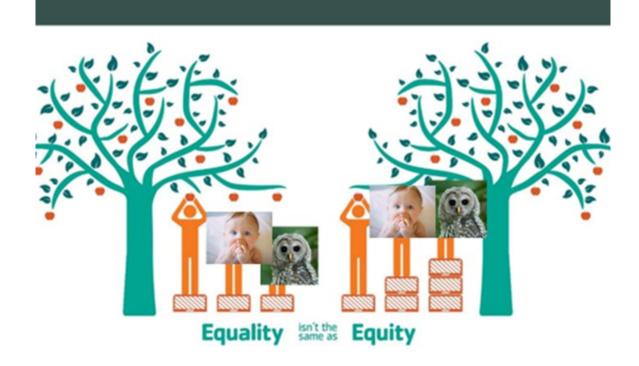


# Public health needs future ready programs

- DETECT changes on the horizon that may pose threats or opportunities
  - Expand points of view
  - See future possibilities by looking at present-day signals differently
- RESPOND by uncovering specific implications of future change and plan accordingly
  - Imagine intended and unintended consequences of decisions by thinking beyond our remit
- EVOLVE to better thrive in the environment of anticipated future change
  - Understand motivators for change
  - To conceive of opportunities to shift

### Three One Health Principles for Future Ready Public Health

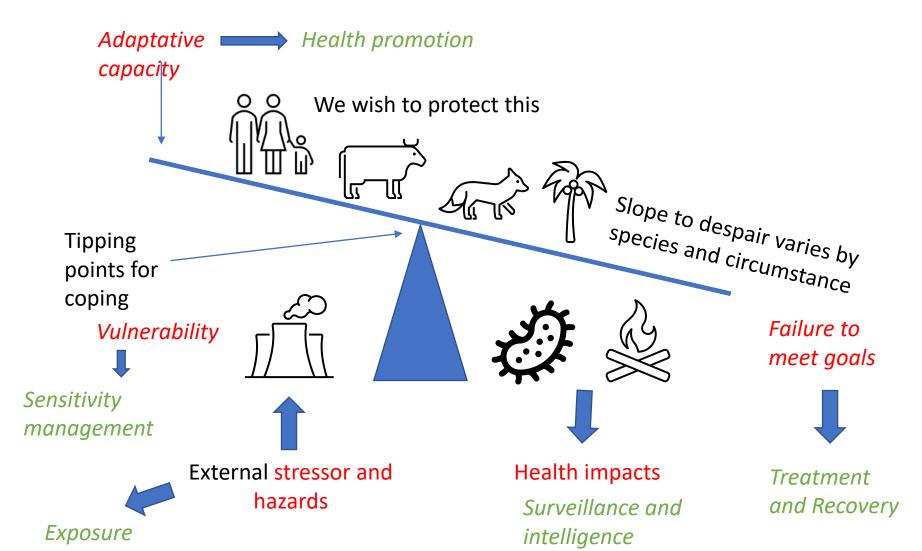
#### Principle 1



#### Intergenerational and interspecies health equity

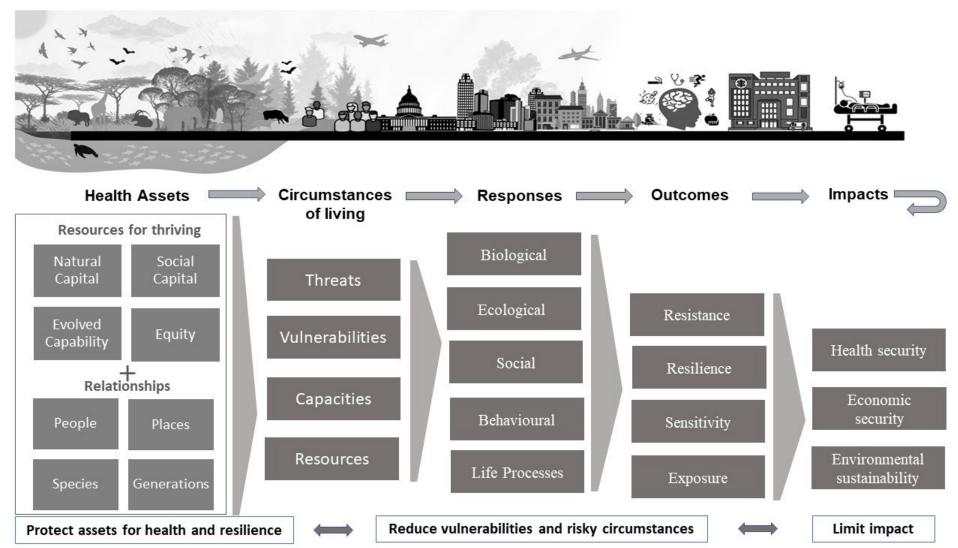
Actions to protect the health of one species today should not compromises the ability of future generations or other species to meet their own needs

# Principle 2 Balance the agenda



management

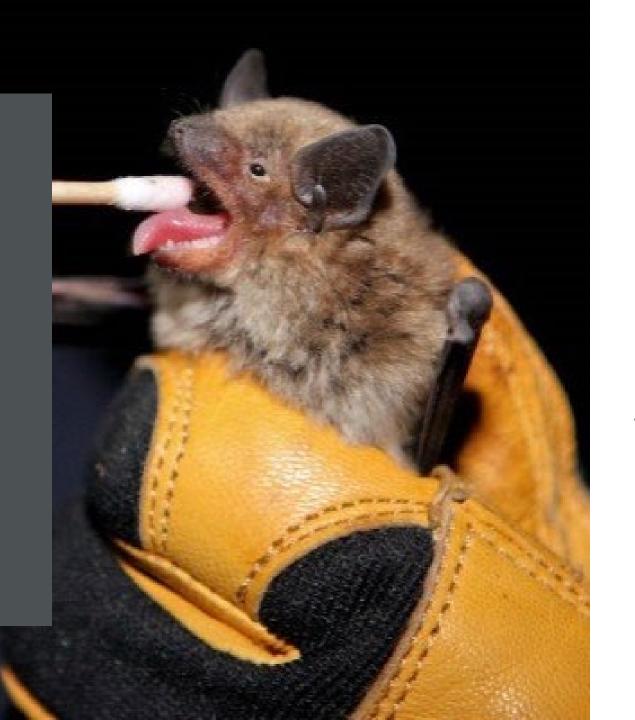
### Principle 3 Fully embrace the socio-ecological model of health



#### Applying the principles in practice

Example 1 – Paying attention to a wider suite of outcomes

Pandemic preparedness

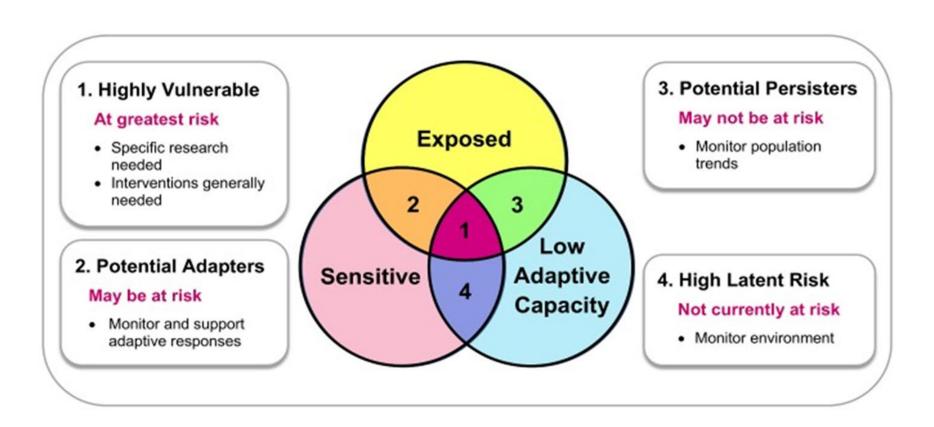


### Key message

Don't just ask if the animal is infected

Categories of new problems and surprises	Management Question	Strategy
Knowable in retrospect but elude detection  Fail to recognize actionable signal or not able to respond despite warning	Is a harm possible under these conditions we are watching?	Curiosity  Broader situational awareness for earlier response or proactive exposure and vulnerability reduction
Unanticipated consequences of socioecological interactions	Can the population deal with something unexpected?	Health Promotion  Building resistance and resilience to cope the next inevitable surprise
Previously inconceivable events		

#### More to watch than pathogens



Focussing on group 1 is a too late strategy for the Anthropocene

# Ebola example

#### Food vulnerable households

 Escalating food prices, declining local food production and low household incomes

#### Fisheries policies

- Local fisheries push catches to external markets
- European fleet fishes out local waters
- Seafood was a major protein source

#### **Bushmeat**

- Cultural practice skills available
- Export market supply chain developed

### Example 2 – Managing the circumstances of living

#### Healthy cities, heathy settings

- The is not One Health, there are many
  - See settings beyond built environments and human ecology
  - Overlapping and interdependent in the same setting
    - Raw material for resilience, upstream determinants of vulnerability and risk
- The world is undergoing a massive urban transition
  - the greatest driver of global environmental change and the most significant influence on human health

"The overall guiding principle [in health promotion policy] for the world, nations, regions and communities alike, is the need to encourage reciprocal maintenance—to take care of each other, our communities and our natural environment."

-Ottawa Charter (1986)

#### Nature-Based Solutions Can Build Resilience to Multiple Climate Hazards







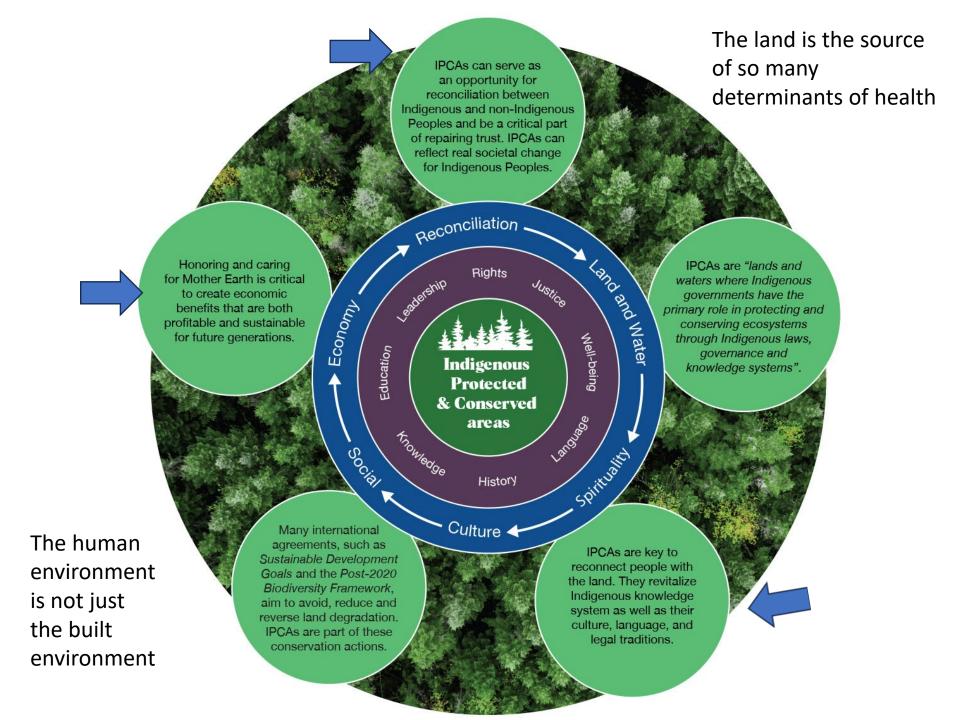
# Example 3 Protecting health assets

Part of Indigenous reconciliation

- Interconnection of land, language and culture are the foundations of wellness
- Being part of collective actions that ensure access to safe and sustained animal and ecosystem resources is a tangible way public health can contribute to reconciliation.

#### • But

- One Health largely sees animals as a source of harm
- Public health rarely seeks to promote healthy natural environments of animal populations



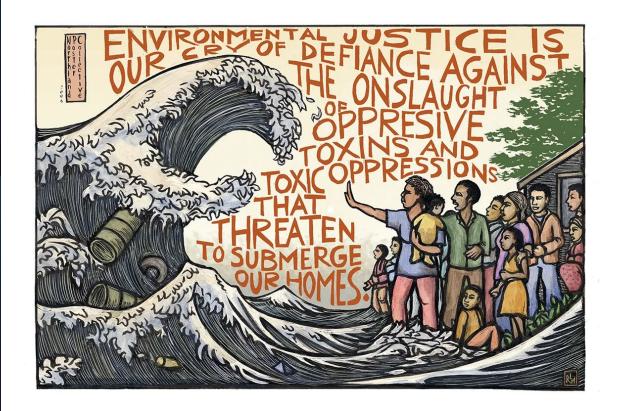
### Example 4 – Protecting health assets from the environment Food security



# Example 4 Protecting health assets

A foundation of health equity

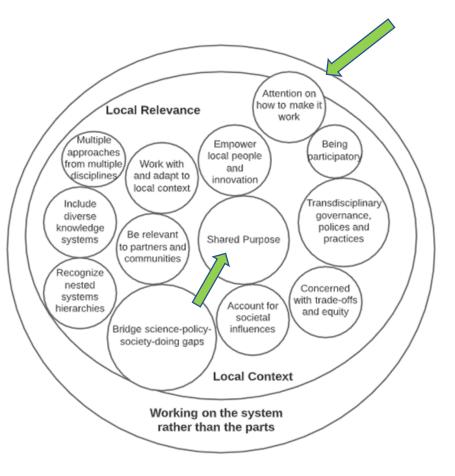
 Ecological degradation and climate change impact economic stability, environmental safety, food security and other determinants of health. They are global health equity threats





# Transformative One Health agenda for public health

No single path to realising the value of a One Health approach No guidance on how to best deploy multi-sectoral teams and resources Dearth of evaluation research **Outcome** limited Time limited



Stephen, C. and Parmley, J., 2022. A transformative One Health agenda for livestock dependent communities. Report to ILRI We need public health innovation to be future ready

Innovation needs these 4 elements

Disciplinary experts

Bring new ideas from the outside

Use your assets in a new way

Build and support strong teams





## You don't have to do it all

nriving Social apital

quity

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aces

erations

alth and resilience

Circumstances

of living

Threats

**Vulnerabilities** 

Capacities

Resources

Biological

Responses

Ecological

Social

Behavioural

Life Processes

Be strategic on where and why to collaborate

- Unable to address health challenges on their own
- Coherence in addressing health challenges across sectors
- 3. Increase and mobilize resources for improving health



Reduce vulnerabilities and risky circumsta

What are the obstacles to future readying via One Health (based on interviews with environmental health practitioners)

- Tyranny of the urgent
- Workforce crisis and work overload
- Legislative boundaries
- Lack of time to invest in relationship building
- Lack of encouragement from leadership
- Social determinants bias
- Confusion as to how this is different than "good public health practice"
  - Except with a limited scope of collaboration



We need game changers and innovative ideas to confront the oncoming health polycrisis

- One Health is not new
  - Part of a history of frustration in making the changes needed to avert existential crises.
- One Health's strength is not in getting other sectors' data or just dealing with today's problem
  - It is in finding innovative solutions to the problem arising from our changing world
  - This requires us to be open to new ways of framing problems and solutions
  - Time is not on our side
    - Embrace the glory of taking people's ideas and being thanked in the end

