



# Operationalising One Health

Preparedness and response to  
EIDs and zoonoses

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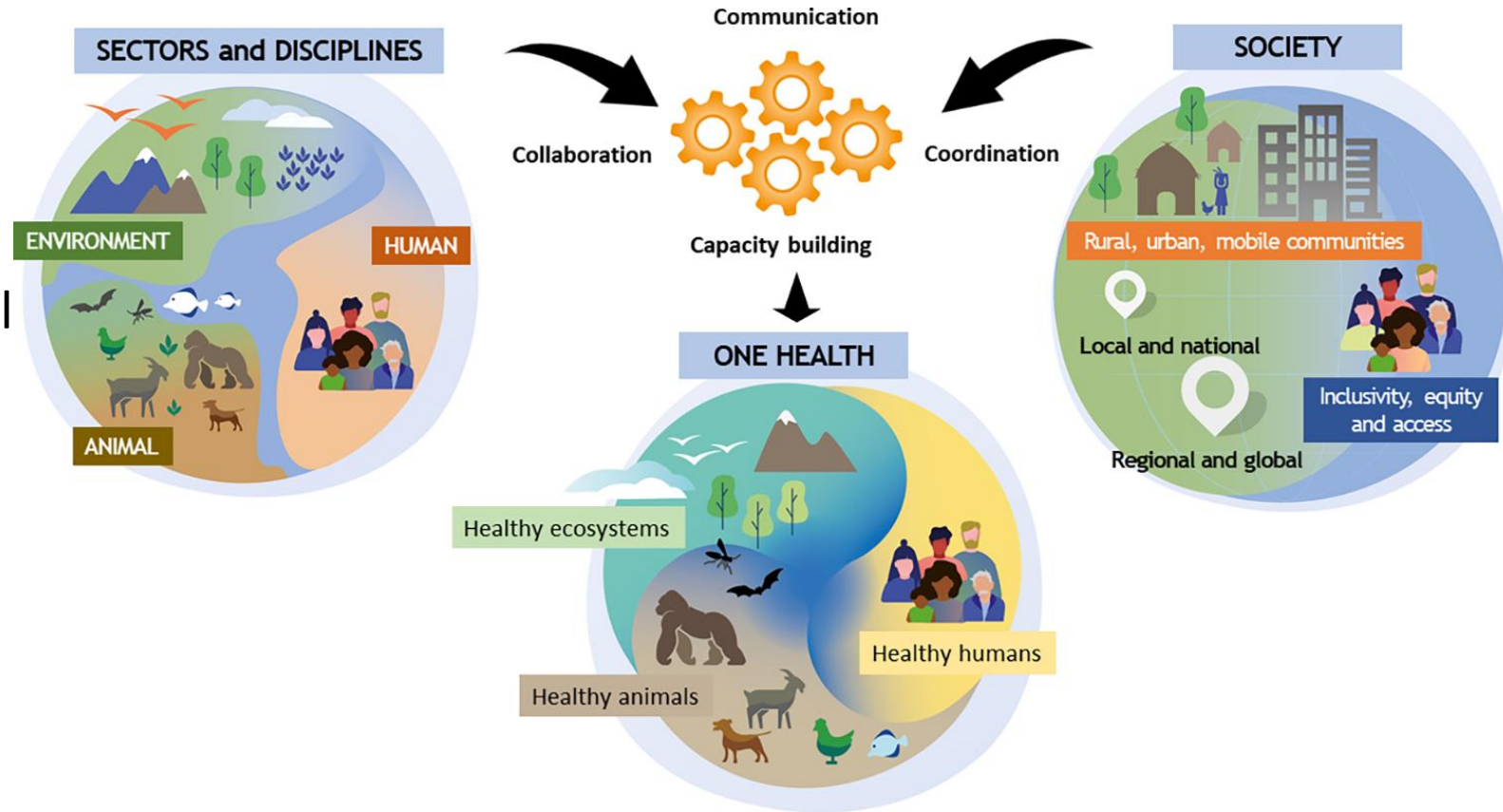
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# Operationalising One Health

## Operationalising?

- Implementing, making functional
- Integrated and unified approach across sectors, disciplines, and the community

## 'Doing' One Health





# How to do One Health

## Research pathway

1. One Health in clinical practice – capacity and preparedness of ‘front-line’ clinicians
2. System level difficulties to disease investigation and management,
3. Investigate operationalisation of One Health within Australian governance structures, health systems and clinical practice, including existing barriers.
4. Develop a strategy to facilitate operationalisation of One Health using a health system framework.



# Vision for a One Health System

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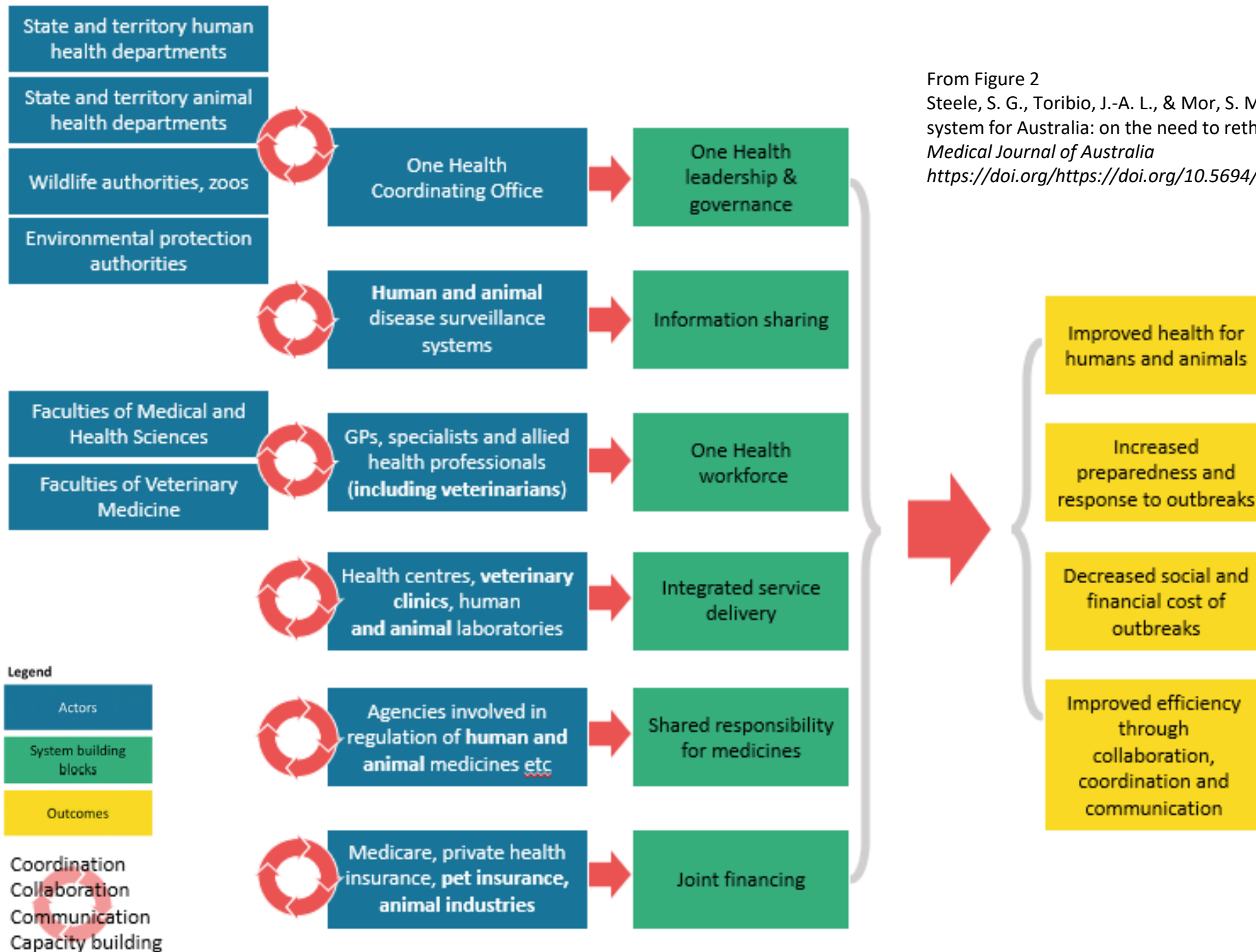
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## A vision of a One Health system for Australia: on the need to rethink our health system

Sandra G Steele, Jenny-Ann LML Toribio and Siobhan M Mor

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# Vision for a One Health system

## One Health Governance

- Doesn't replace current stand alone governance platforms
- Leadership and oversight
- Collaboration, collaboration and communication
- Embed One Health into a national CDC.



# Vision for a OH system

## Information Sharing

- Integrated surveillance
- Timely risk assessment and early response
- Need for compatible information technology systems
- Shared laboratory infrastructure





# Vision for a One Health System

## One Health Workforce

- Input from both human and animal practitioners
- Different but complementary roles
- Build workforce capacity of front-line providers



# Vision for a One Health system

## Integrated service delivery

- More efficient and cost effective
- Incorporation of veterinarians with specialist training into health system
- Formal pathways for referral
- Accepted by GPs and vets (Steele et al 2020) and the general public (Speare et al 2015)



# Vision for a One Health System

## Shared responsibility for medicines

- Collaborative approaches to research and development
- Holistic management of antimicrobial resistance
- Shared regulatory responsibility



# Vision for a One Health system

## Joint Financing

- Scenarios where the primary beneficiary is human health
- Cost of investigation – clients v government
- Emerging diseases
- Antimicrobial resistance – subsidised C&S?



# Outcomes

- Improved health for humans and animals within their ecosystems
- Increased preparedness and response to outbreaks
- Decreased social and financial costs to outbreaks
- Improved efficiency – collaboration, coordination and communication.



# Outcomes of a One Health system

- Cooperative and equitable representation across sectors
- Improved preparedness and response to health emergencies
- Cost effective
- Beyond zoonoses and infectious diseases

**nature**

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**Accelerated Article Preview**

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# **Pathogen spillover driven by rapid changes in bat ecology**

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Peggy Eby, Alison J. Peel, Andrew Hoegh, Wyatt Madden, John R. Giles, Peter J. Hudson &  
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REVIEW