



**University of
Zurich** UZH

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.



**Network
for Ecohealth
and One Health**

Le cadre d'évaluation NEOH

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Pourquoi une nouvelle approche?

Systèmes alimentaires

Thérapies avec animaux

Nutrition Adaptation au

Animaux Changement

en Société Climatique

Agriculture urbaine

Maladies Emergentes

Sûreté alimentaire

Zoonoses

Maladies Chroniques

Solutions fondées sur la nature

Resistances aux Médicaments

Problèmes vicieux

- Pas de définition définitive du problème
- Infinis (temps, espace, éléments)
- Pas de meilleure solution mais des approches plus ou moins bonnes.
- Ce sont des problèmes uniques

Evolution of One Health

L'objectif

Drivers

Social

Economic

Environmental

L'approche

One Health Operations

Thinking

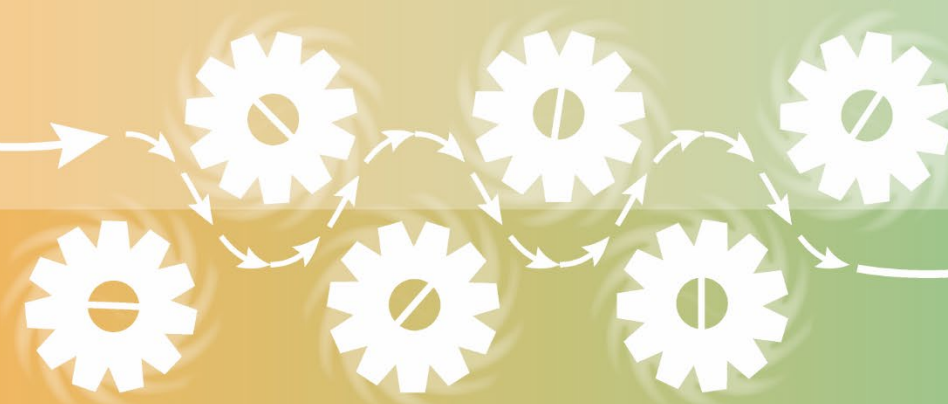
- Globally
- Multidisciplinary
- Multisectorial
- Multiple scales

Planning

- Common Aims, Problems & Financing

Working

- Transdisciplinary
- Transsectorial
- Teamwork
- Participation



Sharing

- Data
- Knowledge
- Resources
- Staff

Learning

- Knowledge Exchange
- Institutional Memory
- Feedback
- Self-Regulation

Systemic Organisation

- Polycentric
- High Connectivity
- Synchronisation
- Multidimensional

Supporting Infrastructures

Outcomes

Sustainability

Health & Well-being

Interspecies Equity & Stewardship

Effectiveness & Efficiency

frontiers
in Public Health

PERSPECTIVE
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A Blueprint to Evaluate One Health

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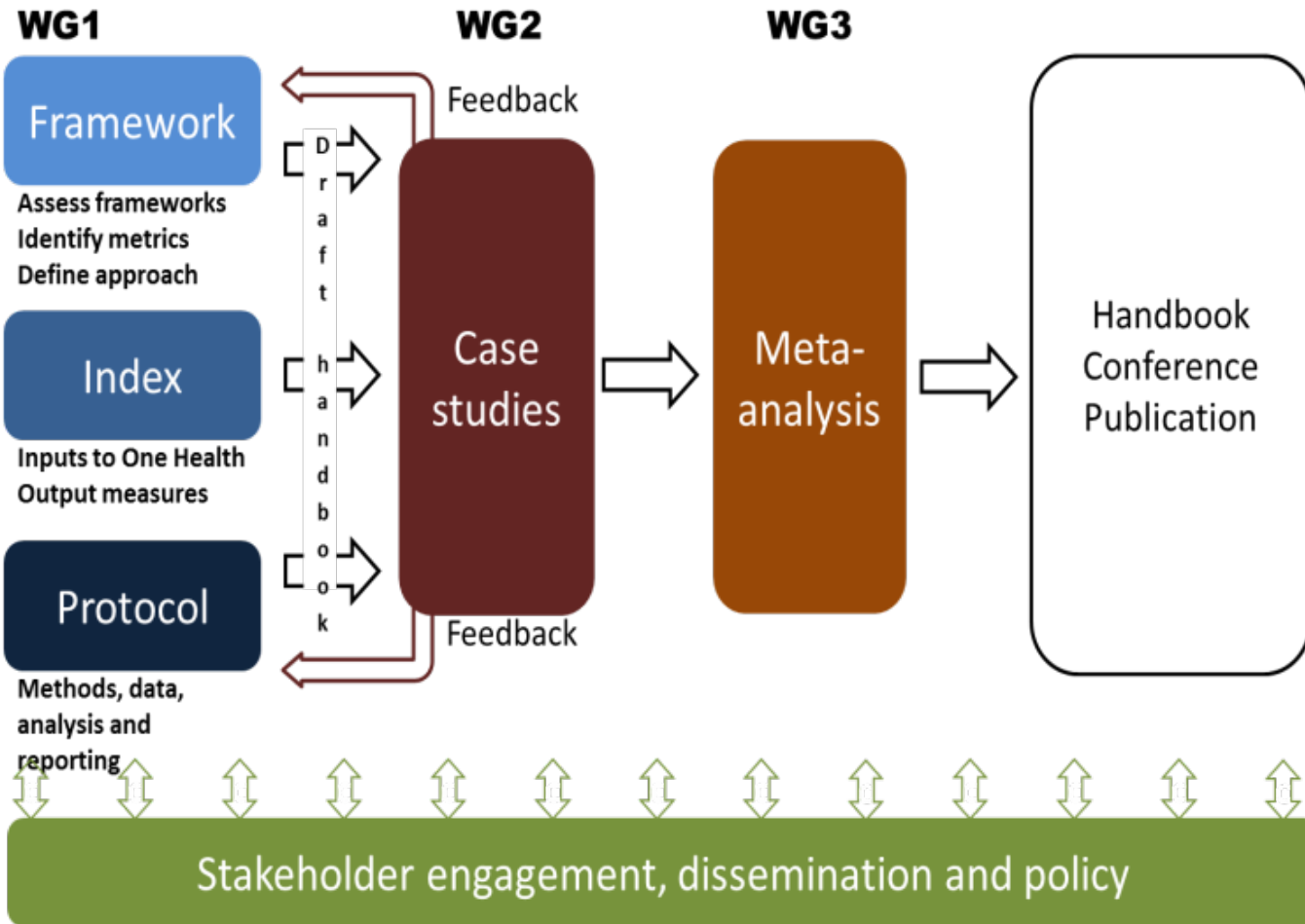
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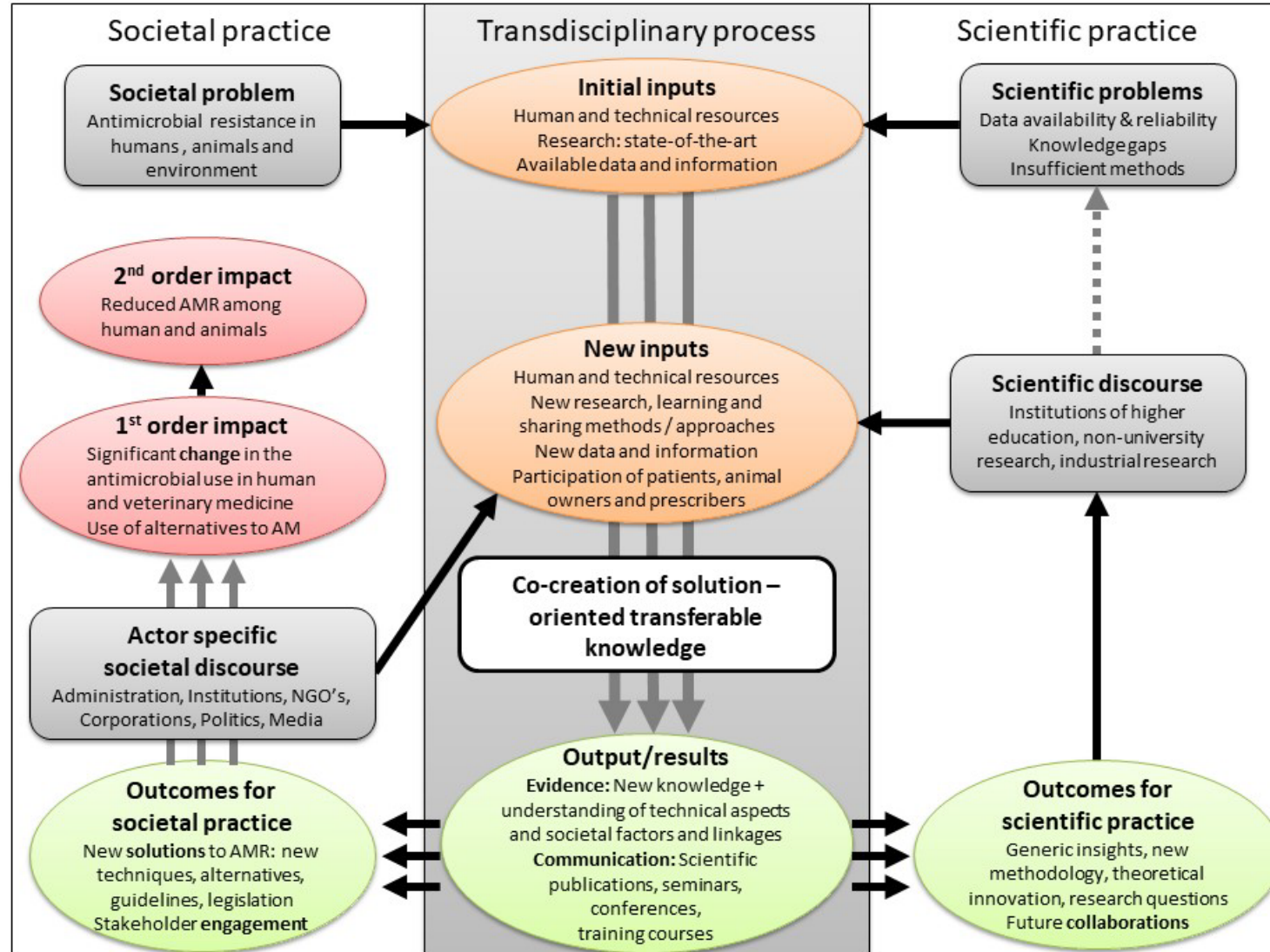
Working groups



Libre accès au PDF & fiches de travail



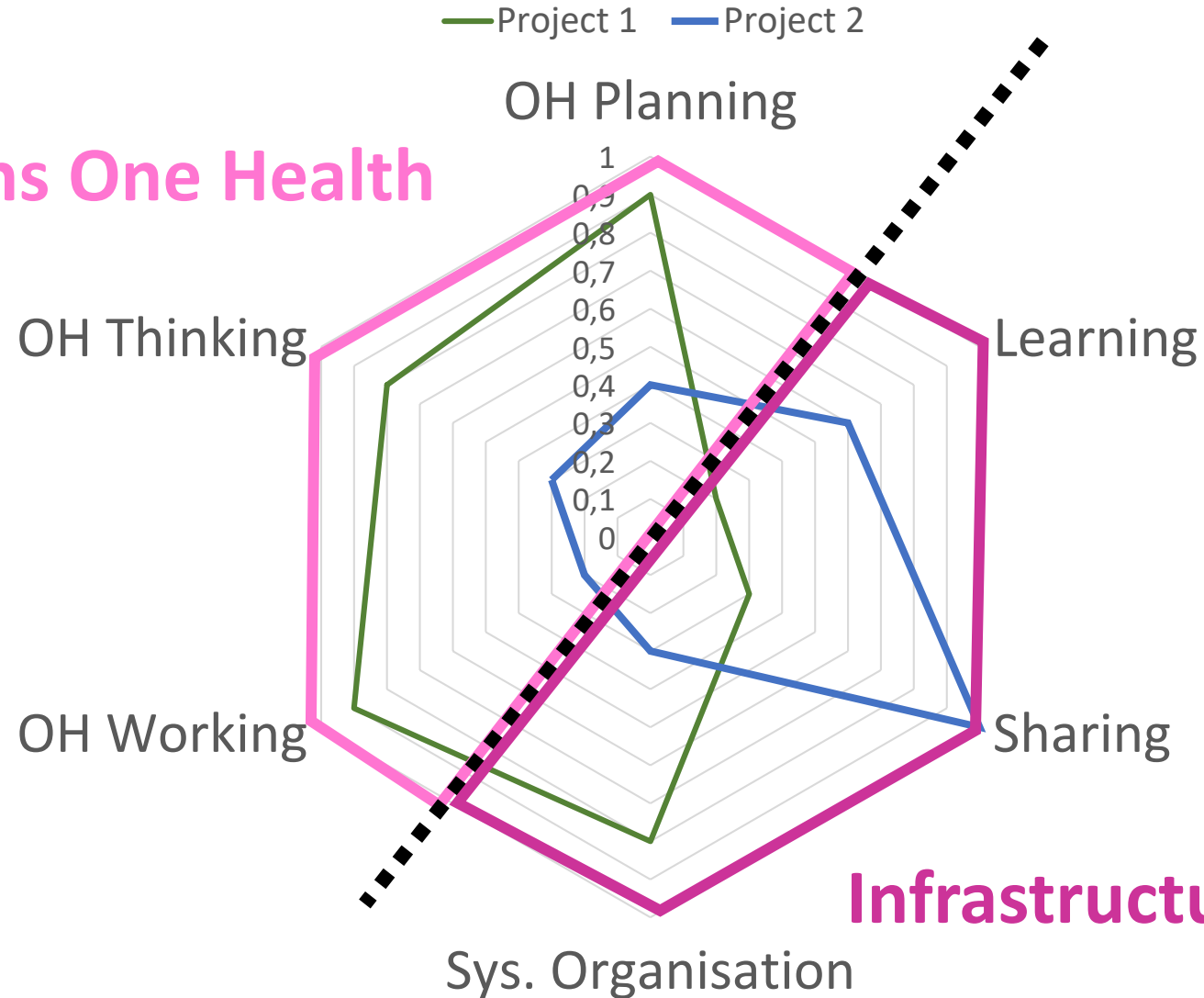
Innovation 1: Co-Construction





Innovation 2: Index et Fraction One Health

Opérations One Health



Infrastructure One Health



Scores d'Évaluations

ID	Thinking	Planning	Organization	Working	Sharing	Learning
A	0.83	0.75	0.83	1.00	0.66	0.66
B	0.83	0.58	1.00	0.83	0.50	0.33
C	0.33	0.75	0.50	0.66	0.75	0.66
D	0.50	0.58	0.67	0.66	0.50	0.33
E	0.50	0.79	1.00	1.00	0.83	0.66
F	1.00	0.92	0.83	0.66	0.66	0.66
G	0.66	0.75	0.66	0.71	0.83	N/A

H	0.80	0.80	0.80	0.80	0.60	0.60
I	0.60	0.80	0.80	0.80	0.60	0.60
J	0.75	0.60	0.50	0.60	0.35	0.50
K	0.56	0.80	0.80	0.60	0.20	0.74
L	0.63	0.60	0.60	0.55	0.55	0.50
M	0.70	0.65	0.70	0.45	0.55	0.48
N	0.90	0.89	0.77	0.77	0.83	0.67
O	0.50	0.45	0.80	0.70	0.45	0.28
P	0.79	0.75	0.70	0.70	0.46	0.47

ORIGINAL RESEARCH
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System Thinking and Citizen Participation Is Still Missing in One Health Initiatives – Lessons From Fifteen Evaluations

Martin Hitziger¹, John Berezowski², Salome Dürr³, Laura C. Falzon^{3,4}, Monique Léchenne^{5,6}, Kennedy Lushasi⁷, Tigran Markosyan⁸, Céline Mbilo⁵, Kelvin N. Momanyi⁹, Ranya Özçelik², Nambiar Prejit¹⁰, Jakob Zinsstag¹¹ and Simon R. Rüegg¹²*

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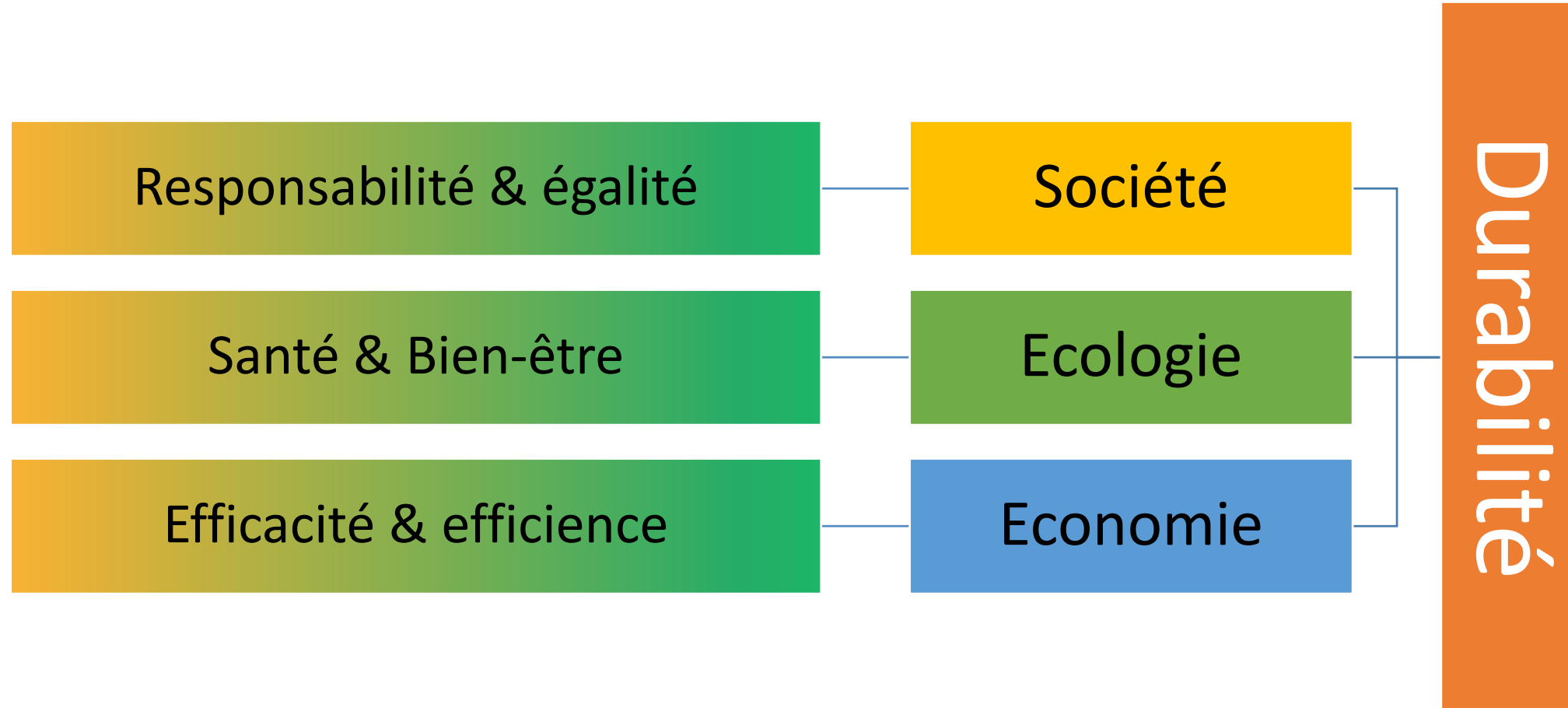
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SCAS University of London

Animal Sciences University, Wageningen, India



Innovation 3: Trois Piliers de la Durabilité





L'Approche Systémique

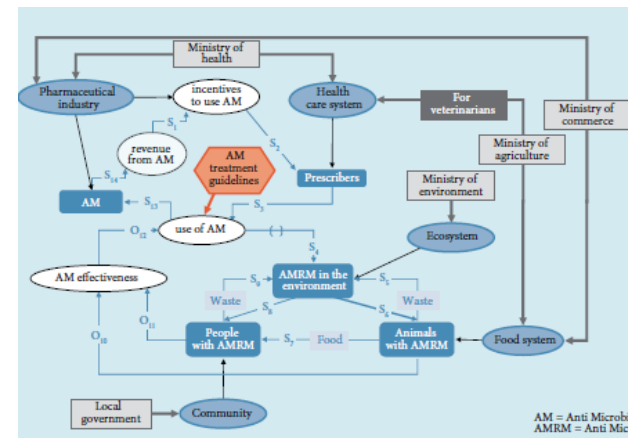
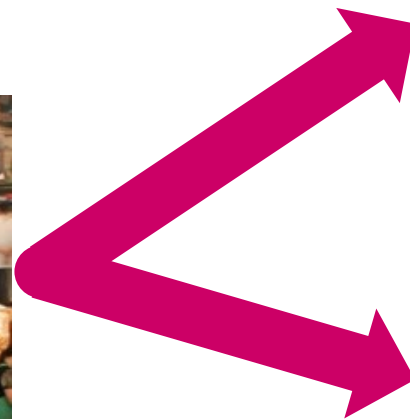


Table 3.1. An overview of how to describe the system at which the One Health initiative is targeted, i.e. the context of the initiative (adapted from Boriani *et al.*, 2017).

Aspect	Description	Secondary questions	Evolution
Aims	What is the context of the OH initiative - why does this system exist? What does it produce? For social-ecological systems that have no explicit aim, what are indicators that the system is intact/healthy?	<p>Perspectives</p> <ul style="list-style-type: none"> What does the system aim to do? Are there different declarations? What do the actors and stakeholders perceive the system does and how do those perceptions differ? (For social-ecological systems: how do the actors and stakeholders perceive/evaluate that the system is intact/operational?) Are there measurable outcomes/indicators of the system? How do the declared, perceived and measured aims/outcomes relate? 	Do the various aims/indicators change as the system evolves with time?
Actors	Who are the actors? Who acts within the system?	<p>Relationships</p> <ul style="list-style-type: none"> How do they affect the other actors/stakeholders and the aim of the system? 	Do the actors change their activity and behaviours as the system evolves (new actors, etc.)?



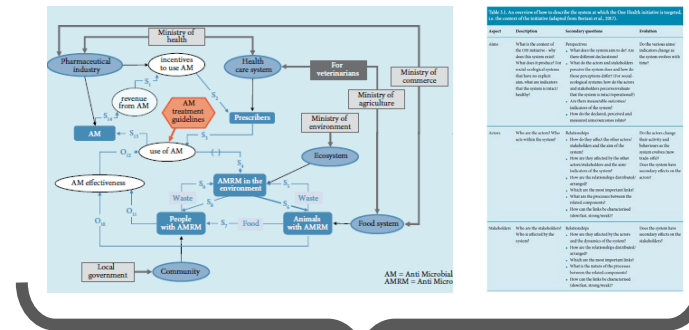
A Systems Approach to Evaluate One Health Initiatives

Simon R. Rüegg^{1*}, Liza Rosenbaum Nielsen², Sandra C. Buttigieg³, Mijalche Santa⁴, Maurizio Aragrande⁵, Massimo Canali⁶, Timothy Ehinger⁷, Ilias Chantziaras⁸, Elena Boriani⁹, Miroslav Radeski¹⁰, Miegahn Bruce¹¹, Kevin Queenan¹² and Barbara Hässler¹²

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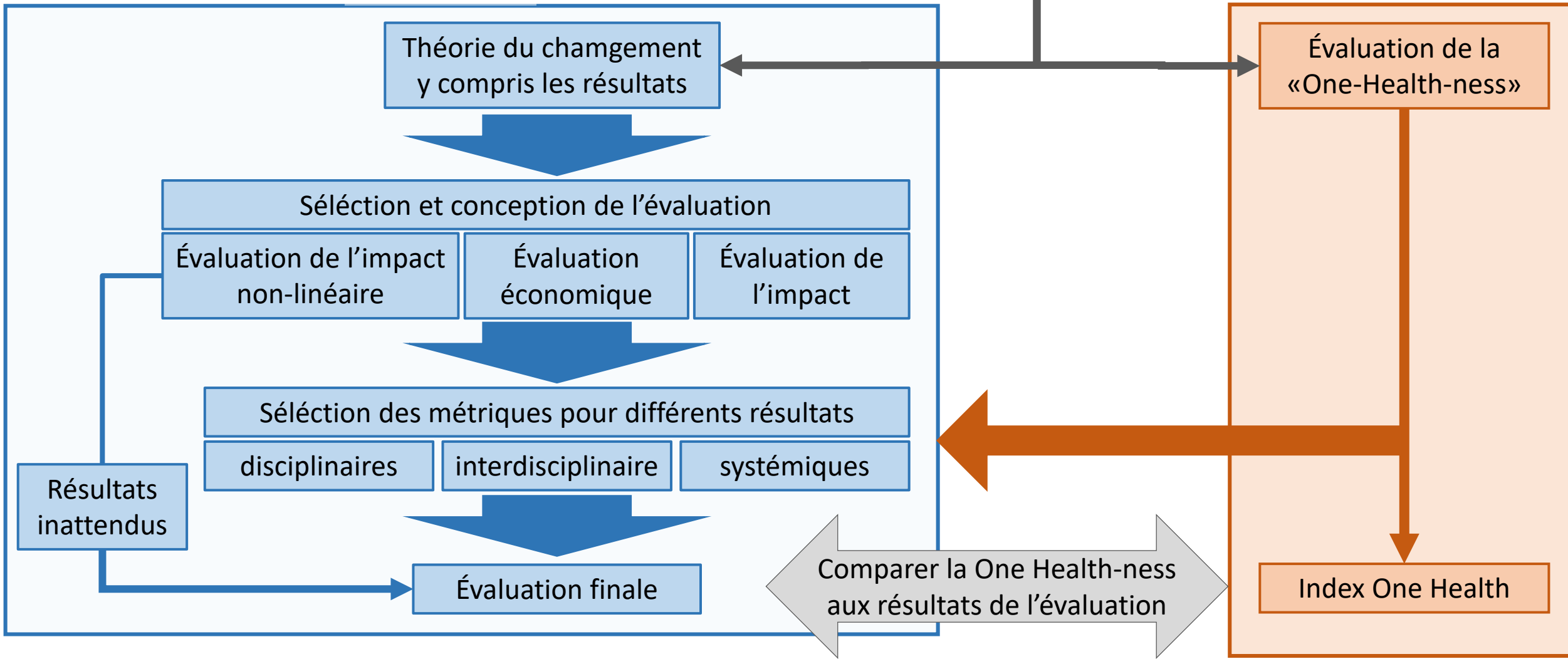


Le Cadre NEOH



L'objectif

L'approche



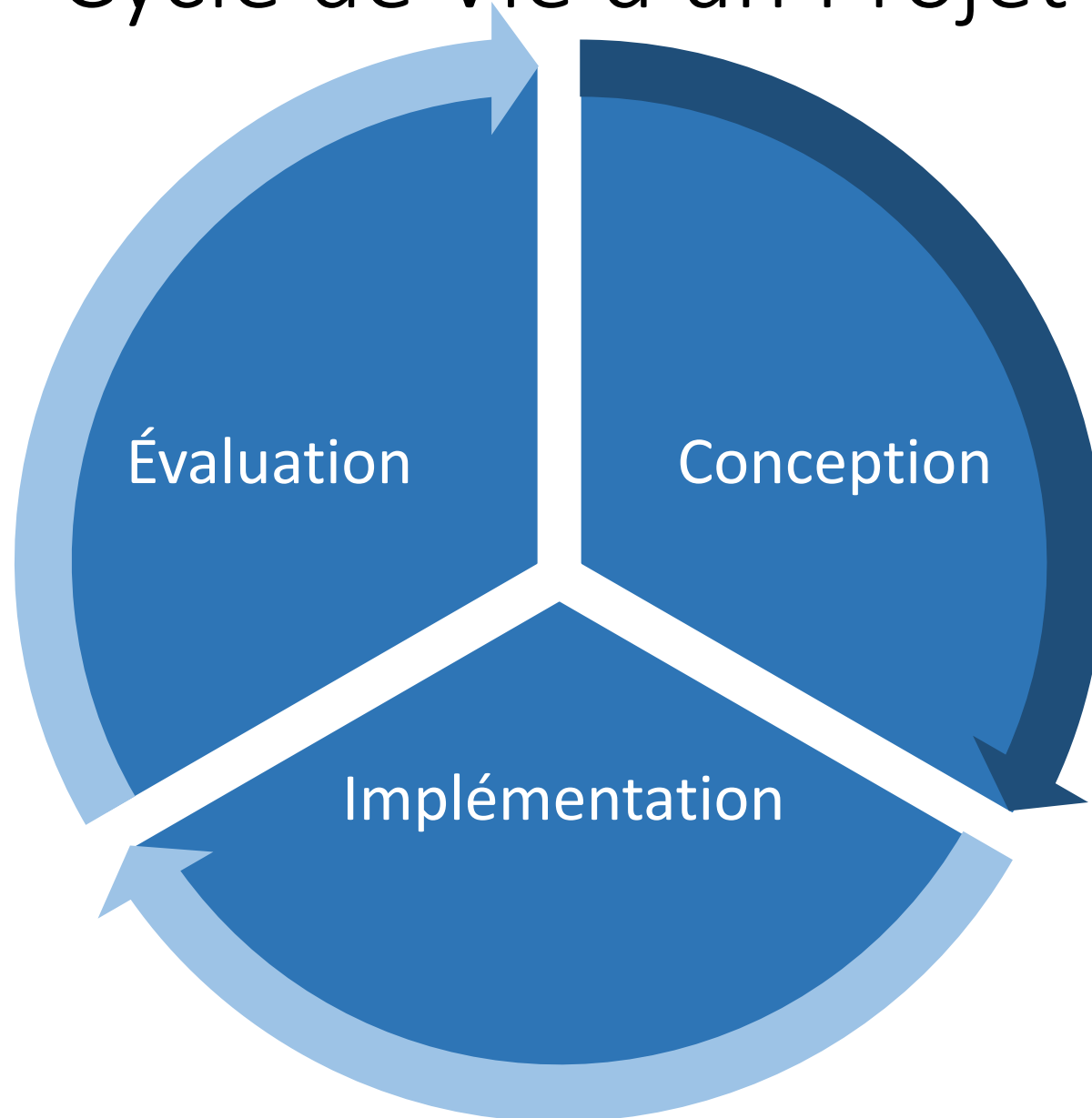


Innovation 4: Collecte des Conséquences Inattendues





Cycle de Vie d'un Projet



- Initiation dans la phase d'évaluation
- Mettre en évidence les points forts et faibles
- Bâtir sur l'existant pour évoluer

PLOS ONE

RESEARCH ARTICLE

One Health evaluation of brucellosis control in Kazakhstan

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University of Zurich UZH



Network for Ecohealth and One Health

Évaluation



Network for Evaluation of One Health

Implementation & Gouvernance

- Gestion de la Brucellose, Kazakhstan
- Interface Humains-Macaques, Thailande



Communautés de Pratique



BELGIAN ONE HEALTH NETWORK



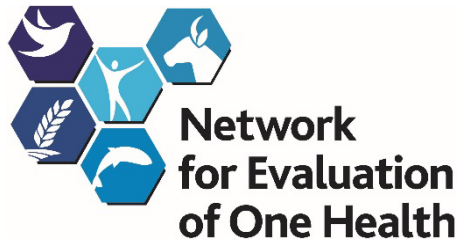
Le cadre NEOH aide à

- mettre en évidence la valeur ajoutée de l'approche Une Seule Santé
 - Connaissances, compréhension émergentes et identification de lacunes
 - Sens commun et alignement des perspectives
 - Confiance et engagement des parties prenantes
- mettre en œuvre des projets et politiques de Une Seule Santé
 - Gouvernance avec feedback en temps réel
 - Épidémiologie et modélisation intégrée et participative
 - Approche de méthodes mixtes



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Europe



Canadian Institutes of Health Research

