



## A blueprint for One Health Evaluation &

Preliminary results from a set of case studies evaluating One Health

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### A blueprint for One Health Evaluation

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#### Contents of the NEOH handbook

- 1. Evaluation of approaches to health
- 2. Roadmap to a OH Agenda 2030
- 3. OH Evaluation Framework
- 4. OH methods & metrics I: ecological dimension
- 5. OH methods & metrics II: social sustainability
- 6. OH methods & metrics III: economic evaluation

- 7. OH methods & metrics IV: interactions and integration of parts I-III
- 8. OH governance
- 9. NEOH Glossary
- 10. Case studies (WG2)
- 11. Meta-analysis (WG3)
- 12. Reassessment of theory and methods

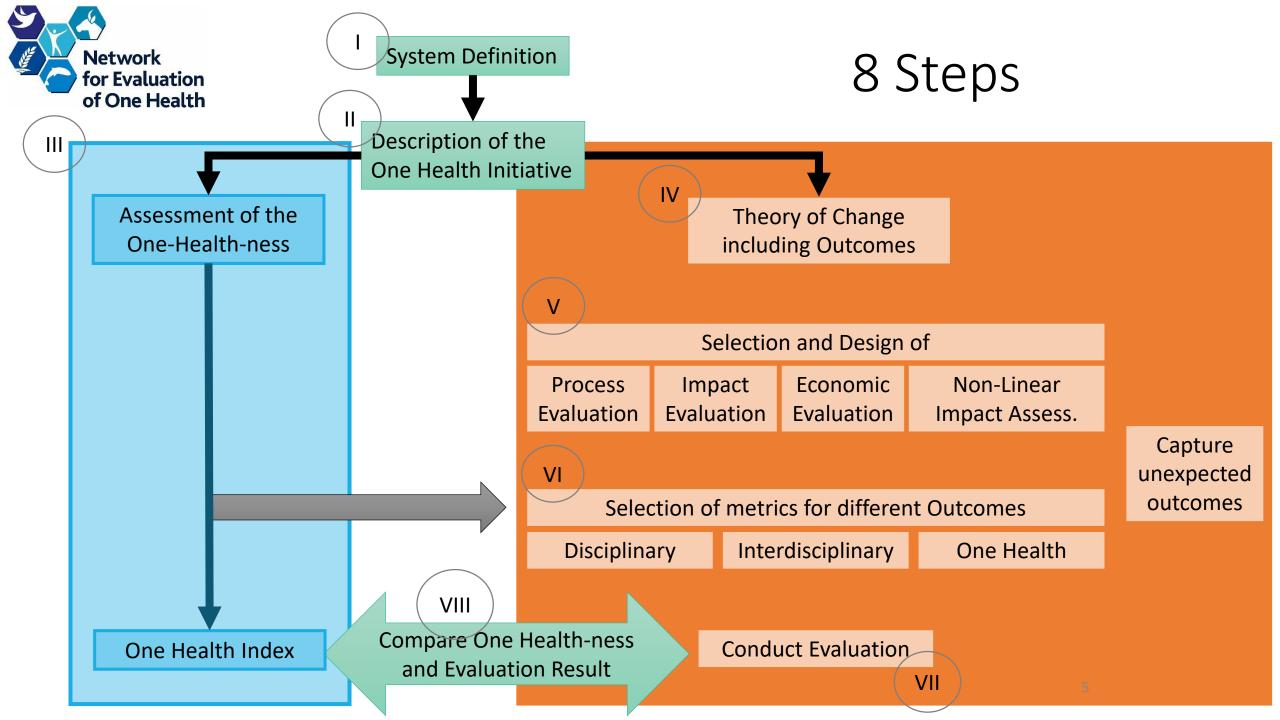


#### One Health Characteristics

#### **Outcomes Drivers** Sustainability Social Drivers Health & Welfare **Environmental Drivers** Interspecies Equity & Stewardship **Economic Drivers** Effectiveness & Efficiency One nearth Operations Working **Thinking** Transdisciplinary Globally **Planning** Transsectorial Multidisciplinary Common Aims. Teamwork Multisectorial Problems & Participation Multiple scales Financing Systemic Organisation Polycentric Learning **High Connectivity** Knowledge Exchange **Sharing** Synchronisation **Institutional Memory** Data Multidimensional Feedback Knowedge Self-Regulation Resources Staff **Supporting Infrastructures**

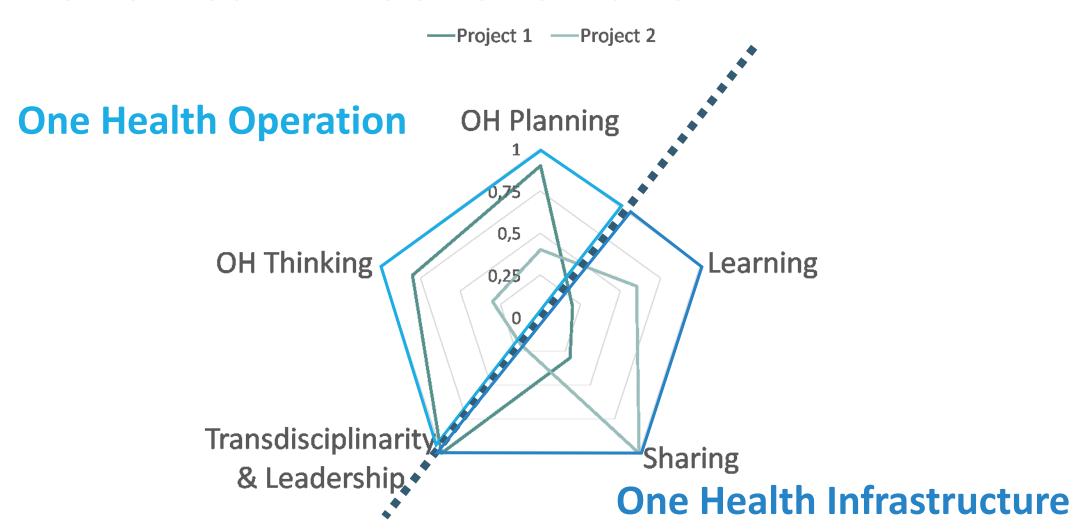
The Promise

The Approach





#### One Health Index and Ratio





# Preliminary results from a set of case studies evaluating One Health

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#### Case studies

 Participants of NEOH action used access to available primary and secondary data from ongoing One Health projects in which they are involved in for evaluation.

The NEOH handbook was applied to these case studies.



#### Inclusion criteria

- In total 12 case studies are evaluated.
- Criteria for choosing a case study for evaluation were:
  - an impact on humans, animals (and environment);
  - relevance at the European level;
  - interdisciplinarity and intersectoriality;
  - measurable benefits of One Health and
  - if it is a disease condition, it should be on the of priority list for Europe (EFSA, ECDC).



#### Evaluation aspects

- the ecological dimension,
- the social dimensions,
- the economic dimension, and
- the resilience and sustainability.



#### Overview I

	Title	Leader
-	. Human and canine obesity: One Health Approach	Asta Tvarijonaviciute
2	"Portuguese observatory of taeniasis and cysticercosis": a One Health example for epidemiological surveillance of a neglected disease in a European country.	Ana Claudia Coelho
3	Comparison of Eradication of Brucellosis in Malta with a Case Study on Eradication of Brucellosis in Serbia	Sara Savic, Sandra C. Buttigieg
4	UC-Care process evaluation	Liza Rosenbaum Nielsen, Anaïs Léger
Ţ.	First report on MRSA recovered from wild boars in the north of Portugal. Omic tools to characterize methicillin resistant Staphylococcus aureus recovered from wild animals: the labile epidemiology of virulence and drug resistance.	Patrícia Poeta
(	Use of acaricides to control ticks and tick-borne diseases in Zambia: Implications in Public & Environmental Health	Daniele De Meneghi, Gaby Laing, Maurizio Aragrande



#### Overview II

	Title	Leader
7	International One health master program in Western Balkan universities	Joze Staric,
		Sabina Seric-Haracic
8	ComAcross: InterRisk Master	Flavie Goutard
9	ComAcross: long-term study on parasitic food born diseases in South Lao	Flavie Goutard
10	West Nile virus integrated Surveillance in Northern Italy: impact evaluation	Barbara Vogler,
		Giulia Paternoster,
		Laura Tomassone
11	Evaluation of an Animal Welfare Center from the One Health Perspective	Miroslav Radeski
12	, , , , , , , , , , , , , , , , , , , ,	Kelvin Momanyi
	Disease Unit (ZDU)	



#### Starting point...

Case study name

Case study leader

Case study contributors

Country

Definition of the system

Description of the One Health **initiative** 

Description of the One Health thinking

Description of the One Health planning

Description of the One Health working

Description of the One Health sharing

Description of the One Health learning

Overview of the theory of change

**Evaluation rationale** 

**Evaluation question** 

**Evaluation type** (i.e. process evaluation, impact evaluation, non-linear impact assessment or economic evaluation)

Outcomes to measure

Timeline for evaluation

Planned STSM(s) in the case study

