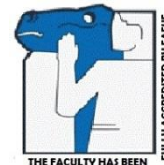


Network for Evaluation of One Health (NEOH): Developing a standardised methodology to evaluate One Health initiatives

M. Filippitzi, H. O' Shea, D. De Meneghi, B. Häslér
Science Week 07-09 July 2016



- NEOH is an **open network** of people
 - from a range of **disciplines** (e.g. ecology, economics, epidemiology, human and animal health)
 - with varying **expertise & experience**
 - with **interest** in OH & evaluation
- Network funded by EU COST – European Cooperation in Science and Technology

One Health activities and evaluations

One Health (OH)
activities require
transdisciplinary
responses by applying
natural and social
sciences to



One Health activities and evaluations

Several OH initiatives implemented so far:

- Cross-sectoral coordination
- Communication
- Data sharing



One Health activities and evaluations

Still need for a
standardised methodology
to **evaluate** OH initiatives
systematically and to
quantify the potential
advantages of such an
holistic approach

Network for Evaluation
of One Health (NEOH) to
fill this gap



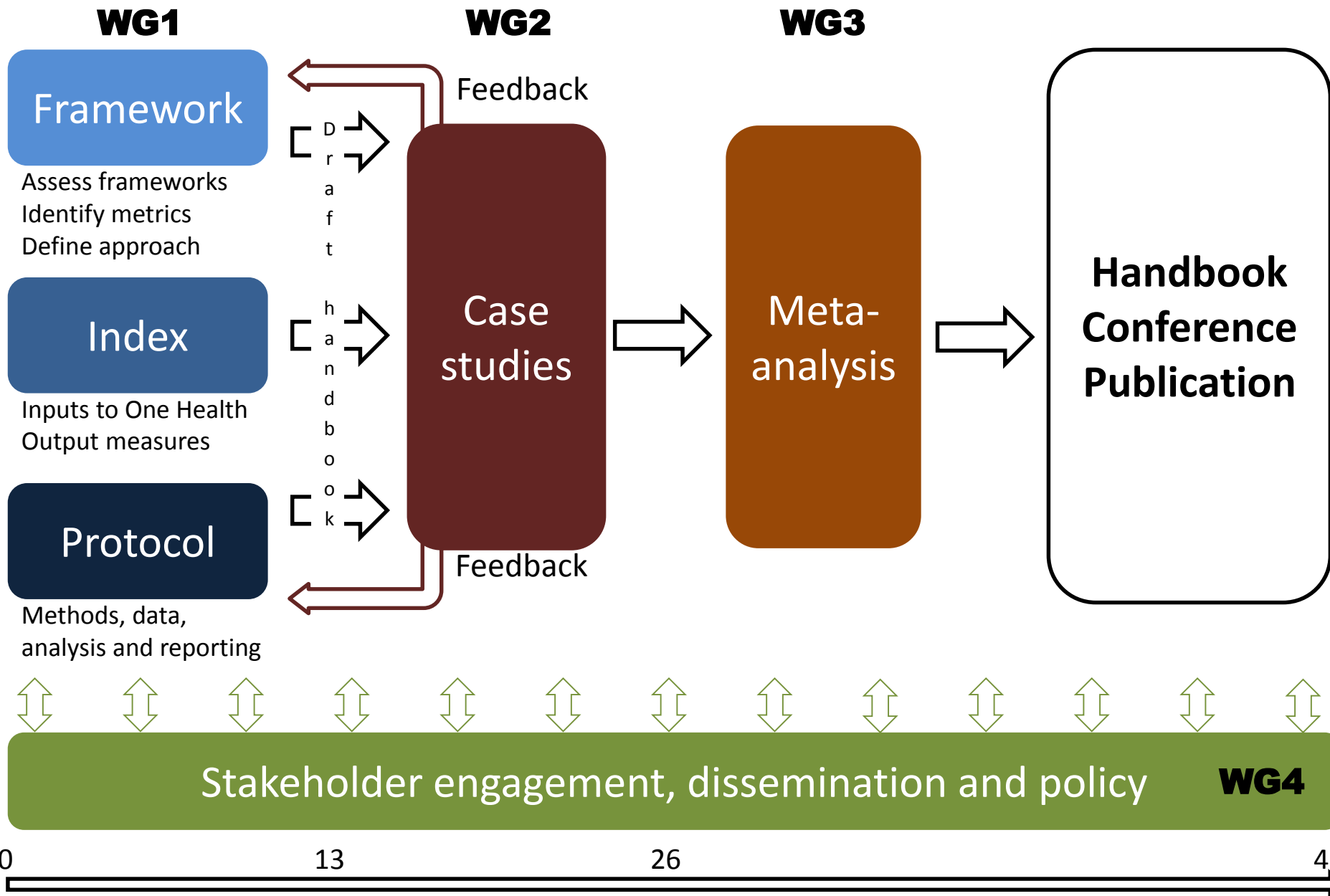
- 22 COST countries in the network
- 1 COST Near-Neighbour Country
- 3 International Organisations
- 1 COST International Partner Country (University of Queensland, AUS)



Aims of NEOH and expected outcomes

- **Guidance to evaluate OH initiatives in a systematic and comparable manner**
- **Scientific evidence on the efficiency and cost-effectiveness of OH activities**
- **Information for decision-makers**
 - sustainable policies
 - resource allocation

Our approach



NEOH activities

- Financial support to:
short-term-scientific-missions, training schools,
working group meetings, stakeholder meetings
and dissemination activities

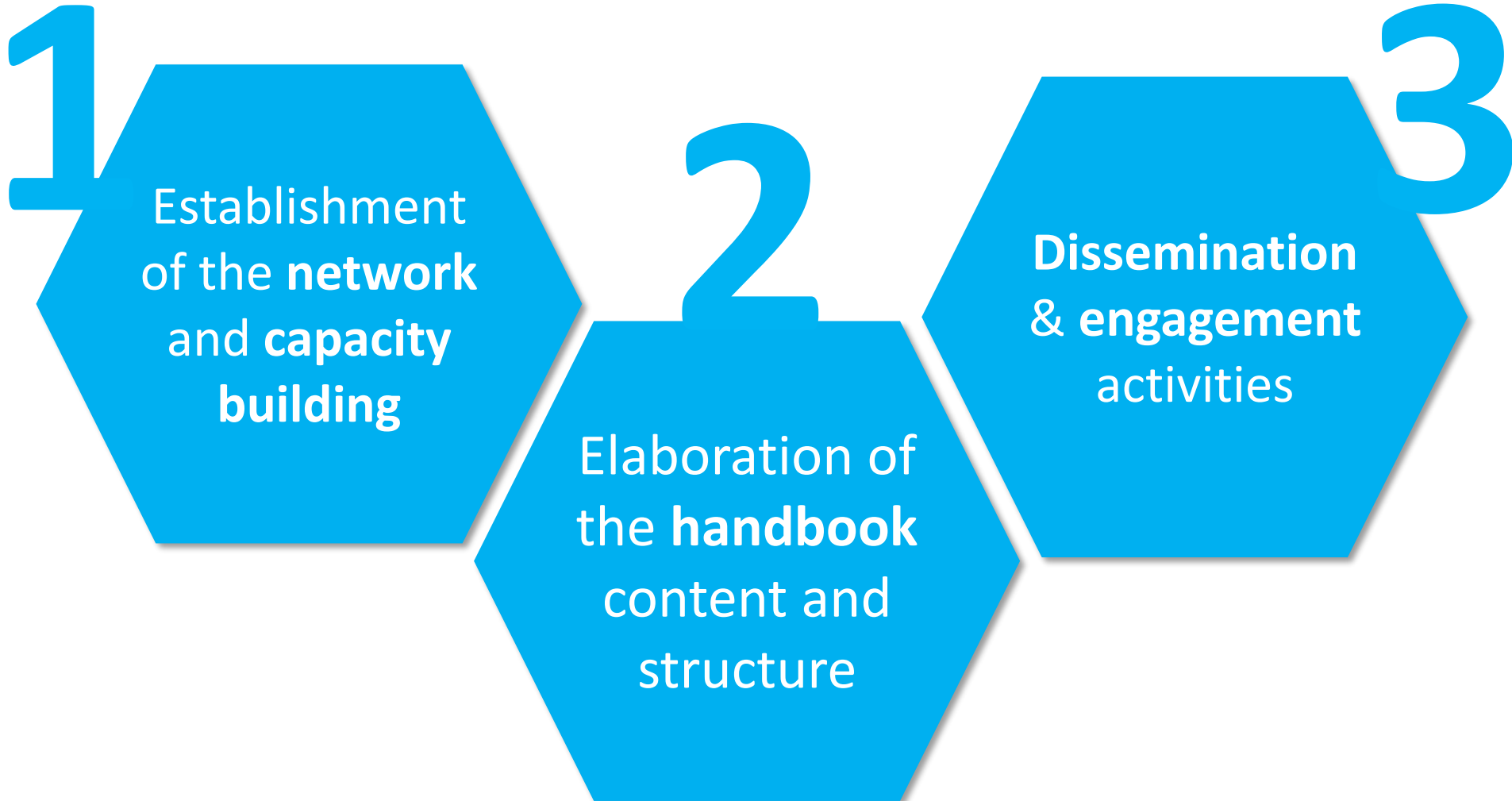


Stakeholder meeting in Bruxelles (Be), 02.16



Training school WG1 in Cluj-Napoca (Ro), 06.15

Outcomes to date



Outcomes to date

1. Establishment of the network and capacity building

- Scientists with different epistemological backgrounds, open to new ways of **holistic thinking**
- **Mutual learning and sharing** of knowledge, data, resources and staff across sectors, disciplines and institutions
- **Transdisciplinary thinking, learning and sharing** are **outcomes** and a **pre-requisite** for OH outcomes and evaluation



2. Handbook - Chapters on:

- Identification and description of the health, economic, environmental, social and cultural **impacts** of OH
- Step-by-step **evaluation approach** that facilitates the development of an **evaluation design**
- Compilation of **metrics and methods** available to **assess** OH outcomes
- Discussion on OH governance relevant for **policies** to tackle OH challenges

Evaluation steps and questions

System definition

What are we talking about?
Who is it for?
What does the system include?

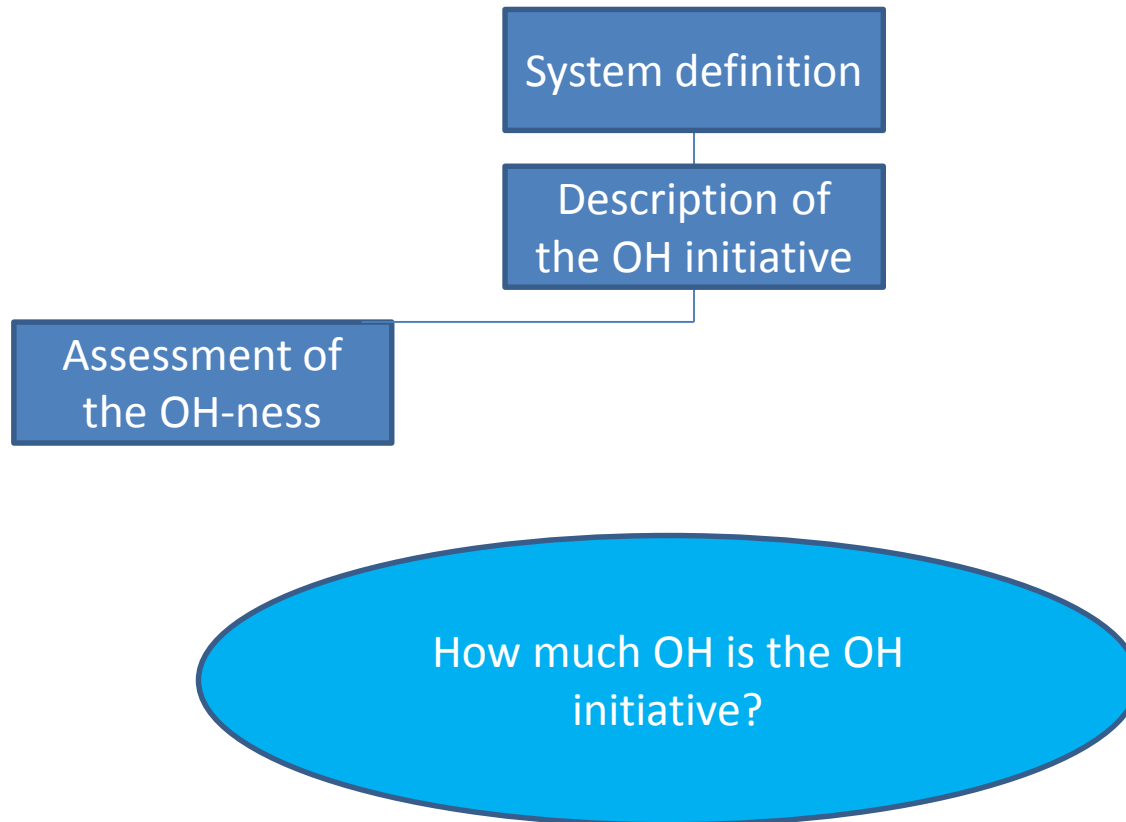
Evaluation steps and questions

System definition

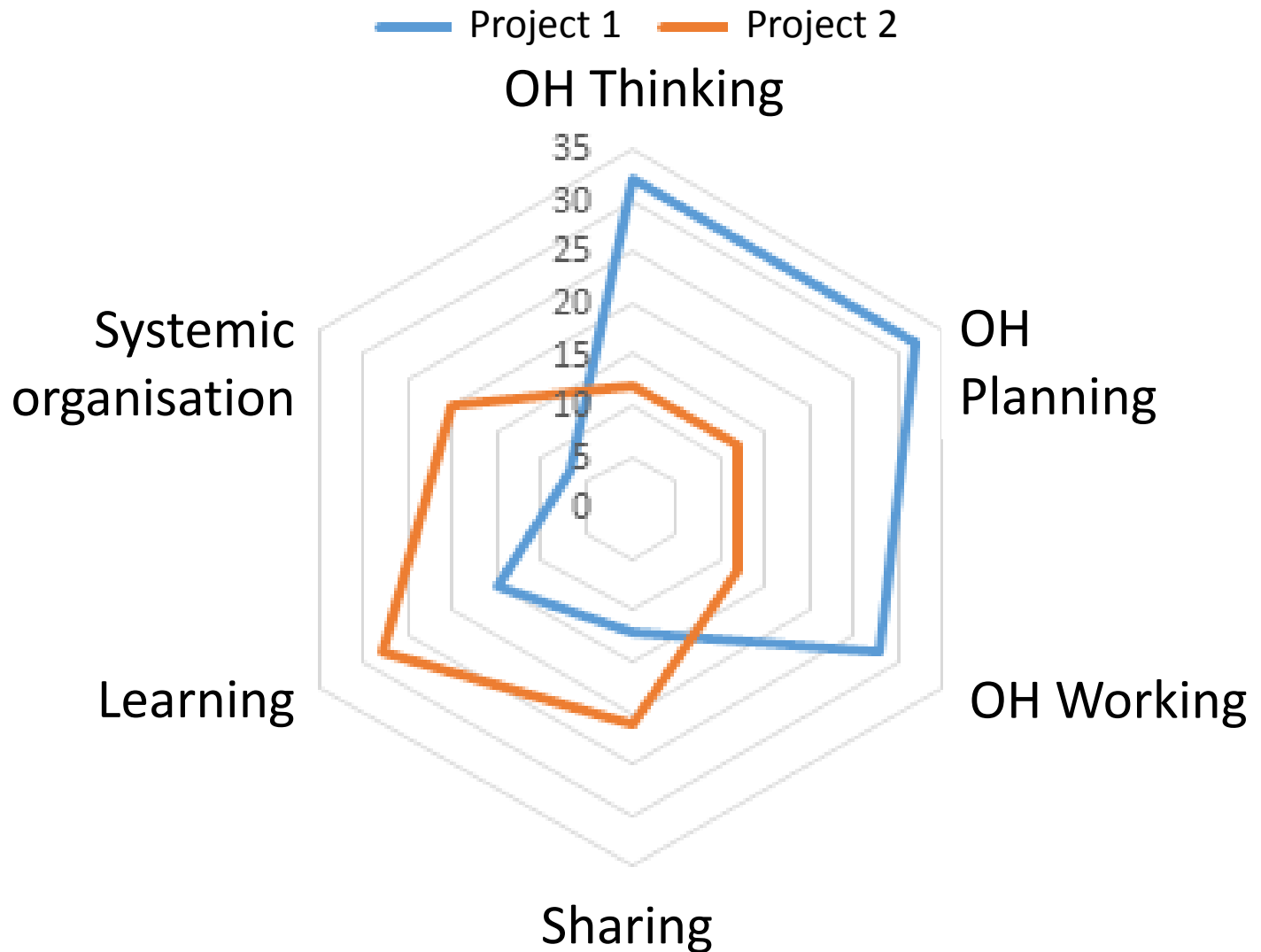
Description of
the OH initiative

Characterisation of the OH
initiative

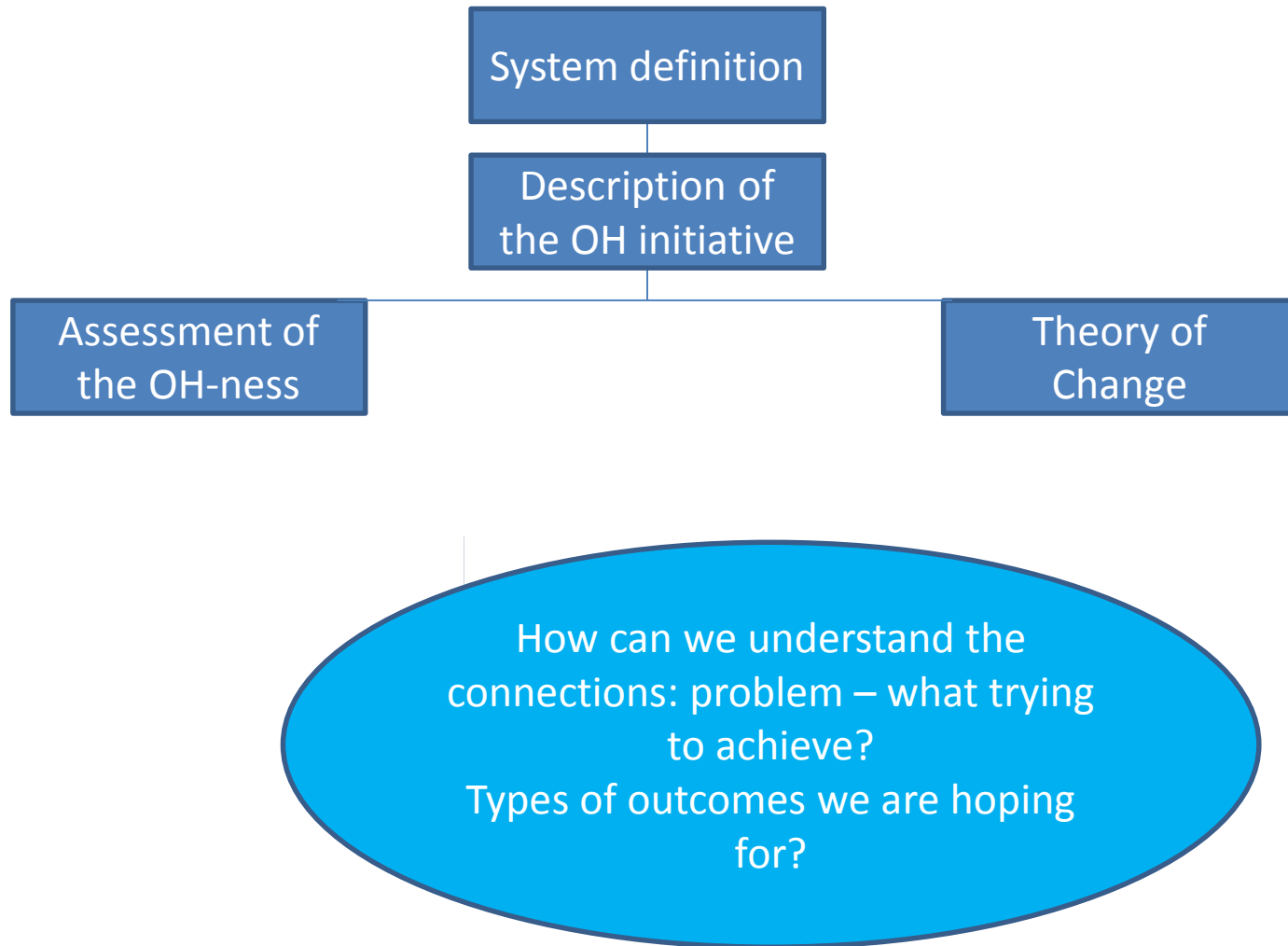
Evaluation steps and questions



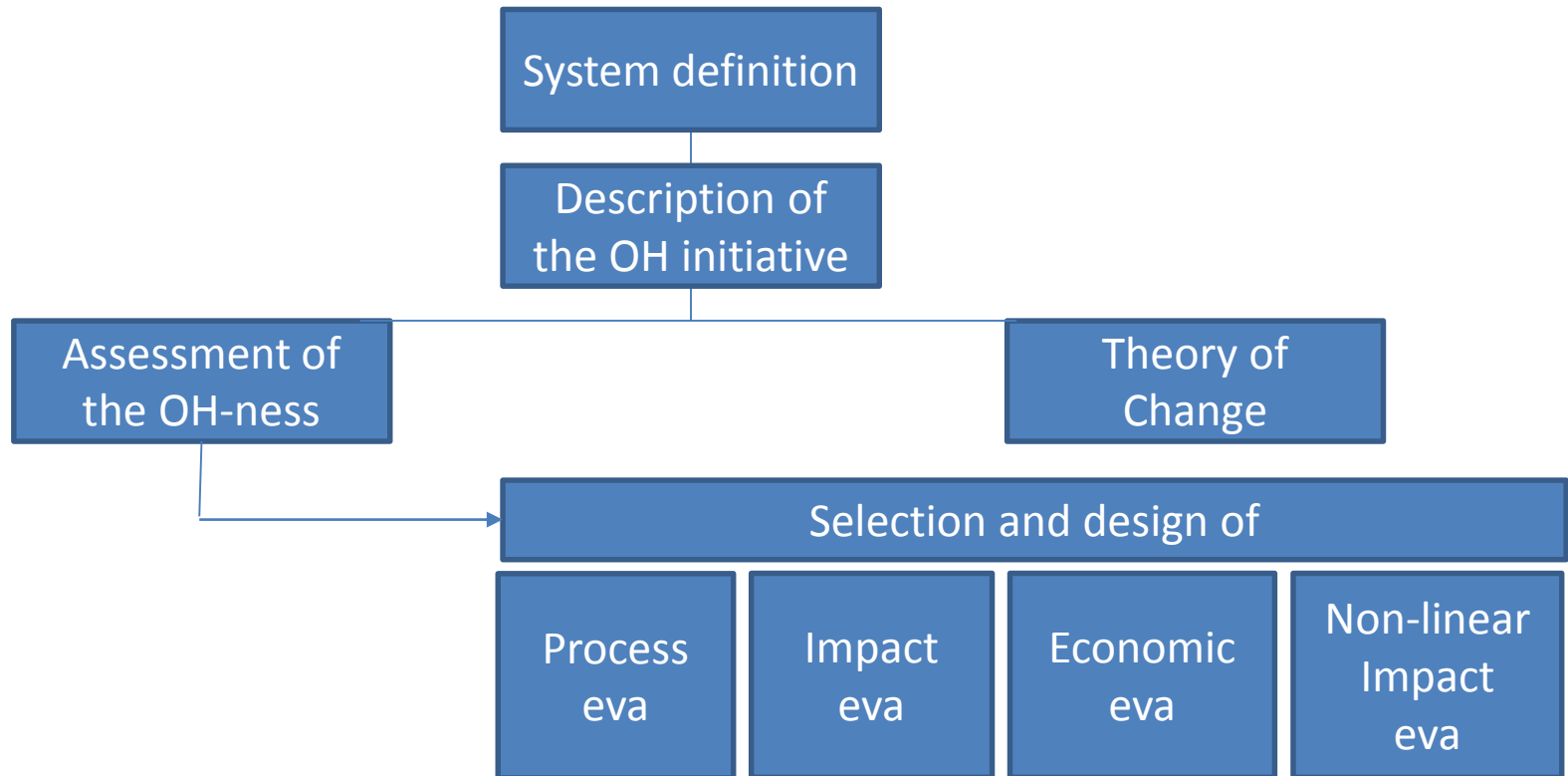
Measuring “One Health-ness”



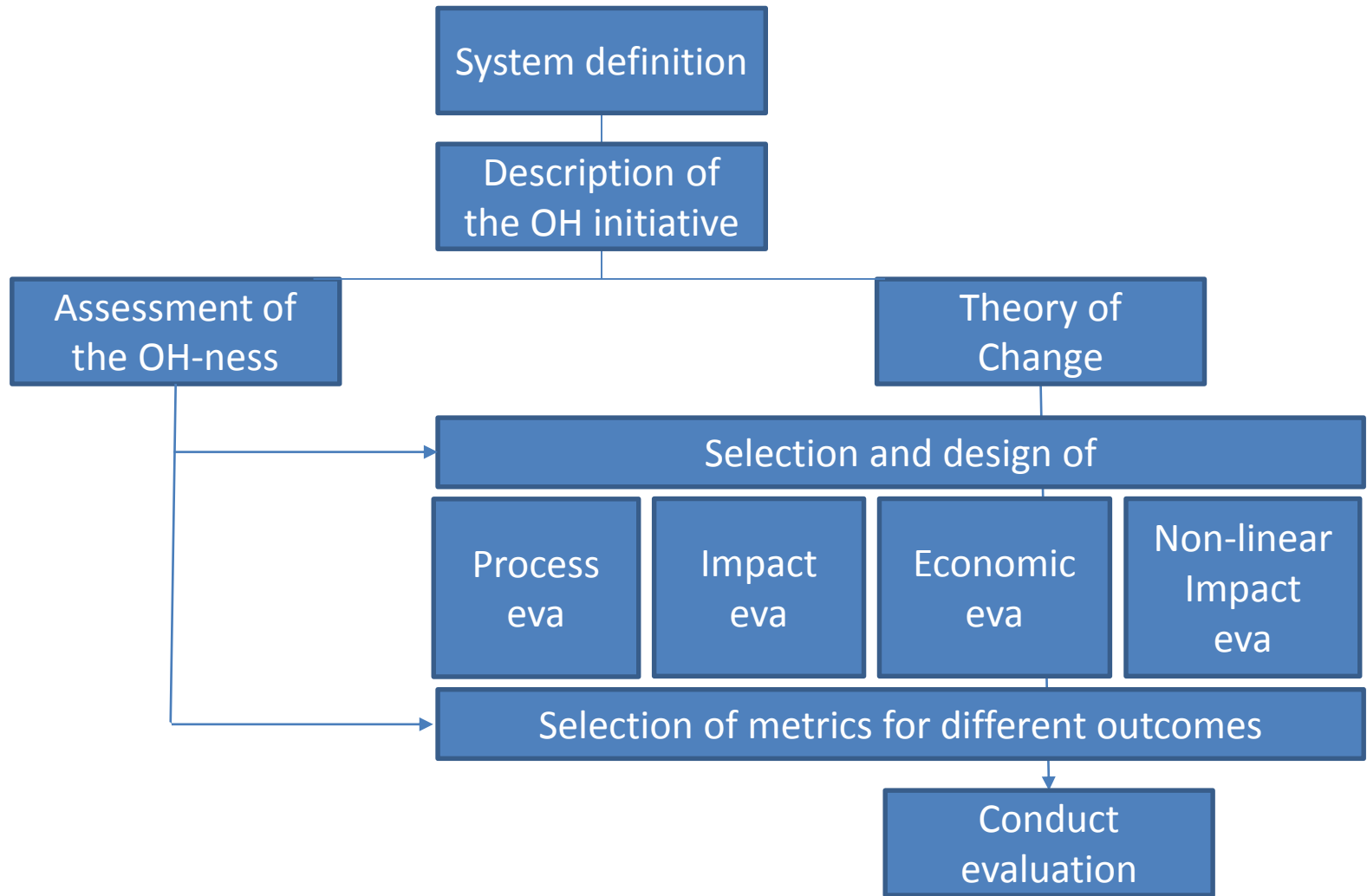
Evaluation steps and questions



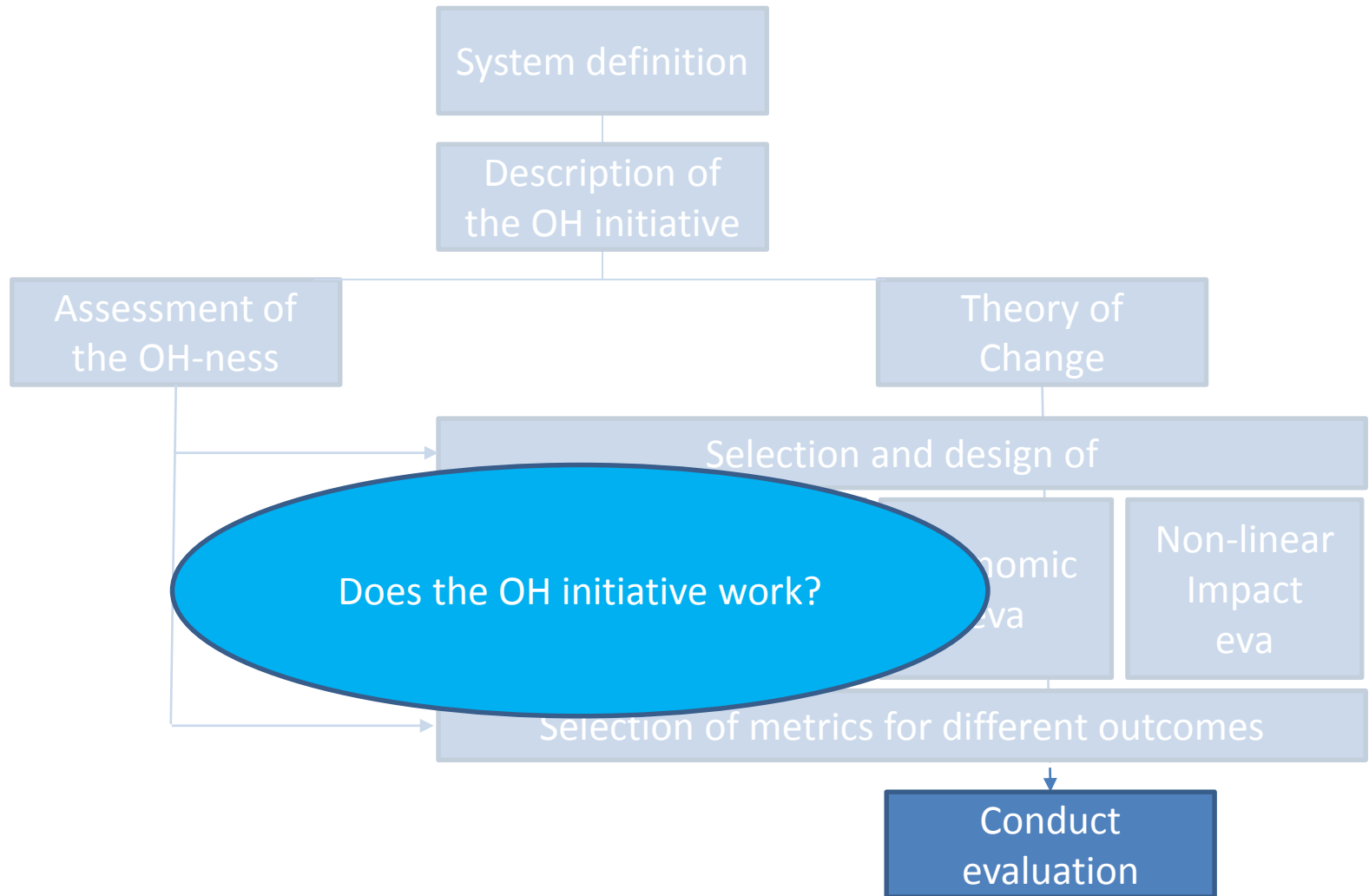
Evaluation steps and questions



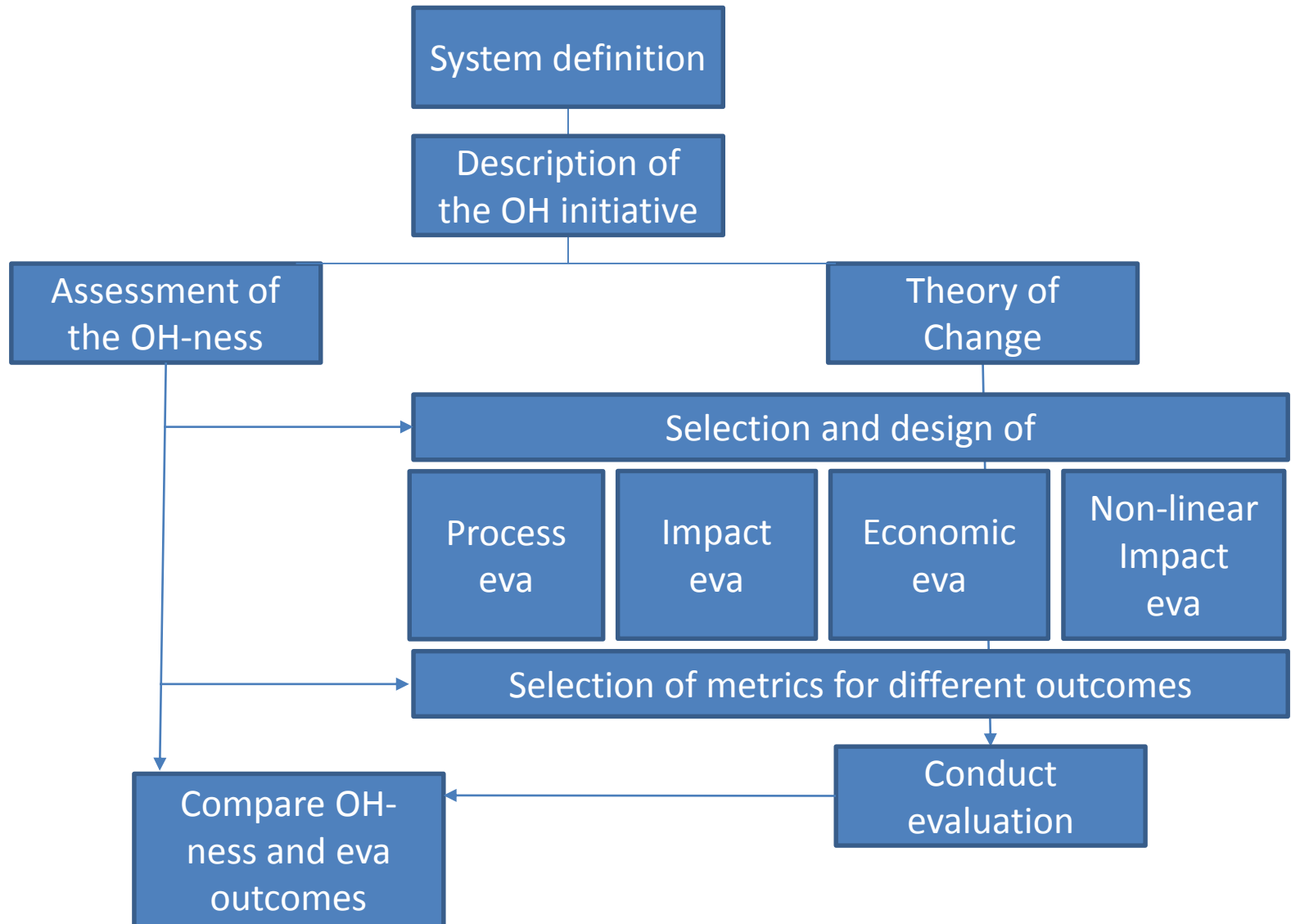
Evaluation steps and questions



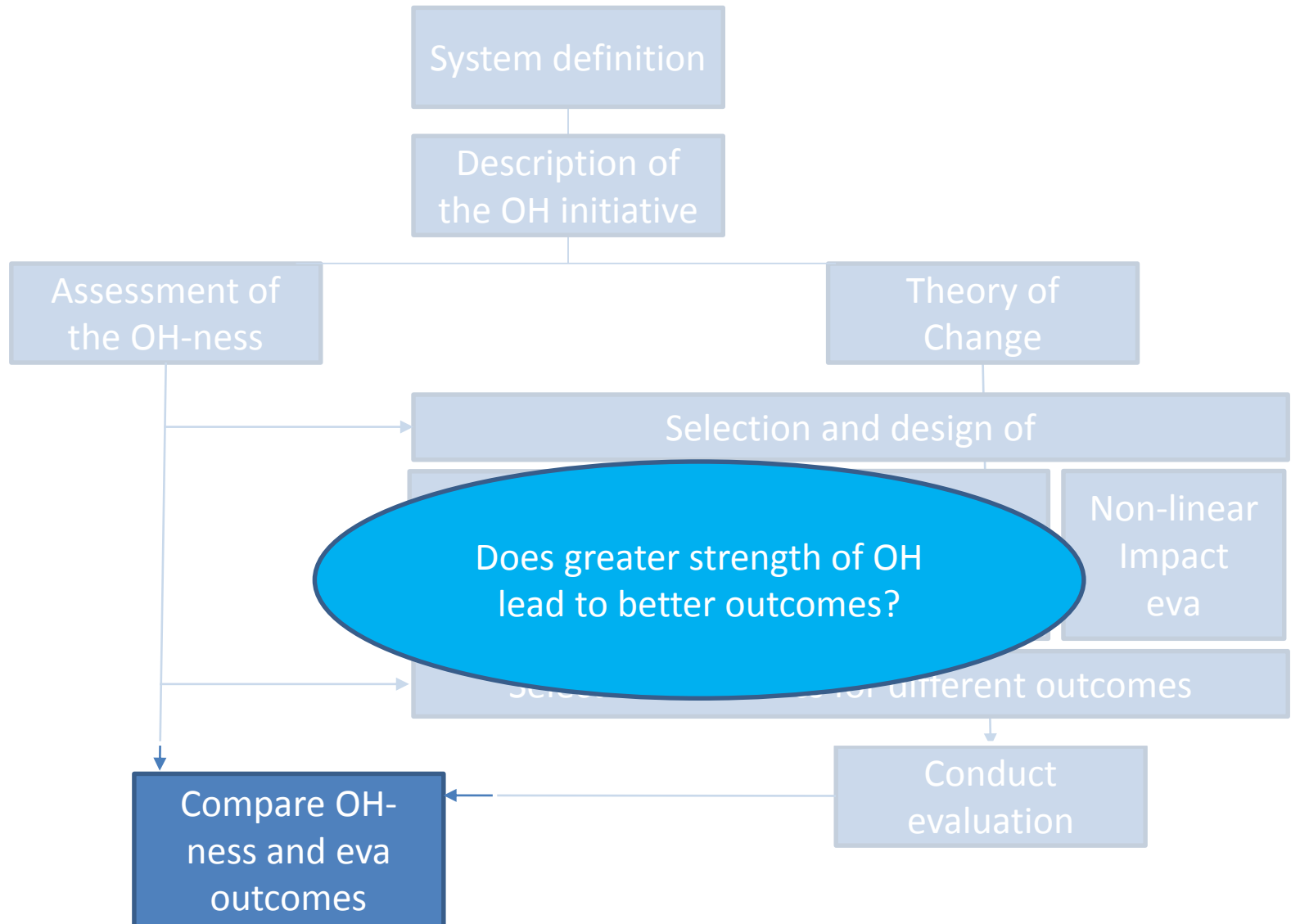
Evaluation steps and questions



Evaluation steps and questions



Evaluation steps and questions



Challenges in evaluation of OH

- Complexity
- **Characterisation** of the OH initiative and conceptualisation of the evaluation problem
- Unintended consequences when working in a system using a **systems approach**

Challenges in evaluation of OH

- Communication and data sharing between **different sectors**
- Absent/insufficient **baseline data**
- Consideration of **confounding factors**

Next step

The handbook is being applied in selected case studies, e.g.:

Disease	Activity	Country
West Nile Fever	OH surveillance	IT
-	OH education	SVN, EU - SEA
<i>Taenia solium</i> neurocysticercosis	OH surveillance	Developing countries, PT

Next step

Disease	Activity	Country
Brucellosis	Eradication and monitoring	SRB, MLT
Tick-borne diseases	Control in livestock; use of acaricides for ticks	Sub-saharan countries
<i>Chlamydia</i> infections in domestic and wild ruminants, pigs and humans	Studies	CH

Acknowledgments

- **Welcome to join:**
<http://neoh.onehealthglobal.net/contact-and-how-to-join/>
- The participation to this congress has been facilitated by funding under “NEOH” - COST action TD1404
- With thanks to the chapter leaders of the handbook, the WGs leaders and the NEOH MC

Thank you for your attention!

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<http://neoh.onehealthglobal.net/>

http://www.cost.eu/COST_Actions/tdp/TD1404

