



Trans-Domain COST Action TD1404 (NEOH)
Final Conference

THE ONE HEALTH / ECOHEALTH POLICY CYCLE AND EVALUATION

NEOH results in relation to the One Health and EcoHealth policy cycle

Working Group 2



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WorkingGroup 2 within NEOH – short intro

- To **apply** the evaluation framework, protocol and index developed to different One Health initiatives (case studies) using primary and secondary datasets ...using **Handbook** made by NEOH WG1
- In order to do this we had a bunch of preparation steps
 - Selection
 - Use of existing networks
 - Training schools
 - STSMs





Selection of initiatives - Topic areas of relevance

- Infectious, zoonotic diseases (3)
- Vector borne diseases (2)
- Education (1)
- Animal welfare (1)
- Obesity (1)
- AMR (1)

The evaluation was done based on scoring...

Evaluation elements/questions	Short element description/explanation	Reasoning behind the score for the element / qualitative assessment	Dimensions and scales	Score	Scoring guidance
What importance is given to the different dimensions within the initiative? In the process for selection of the relevant dimensions the following two questions should be raised: 1) Is this dimension important for the initiative, or can it be excluded without effect on the expected and unexpected outcomes of the initiative? 2) Does the initiative have an effect on the dimension?	Assess how important each dimension is within the theory of change and the plan of the initiative.	Based on quantitative analysis of answers collected in questionnaire-based, online survey	Spatial Temporal Network Institutional Economics Knowledge Jurisdictional Religion	1 0.8 0.8 0.8 0.6 1 0.6 0.3	0 =not considered 0.2 =passive recognition 0.4 =considered 0.6 =weak involvement 0.8 =strong involvement 1= essential
How balanced is the consideration of the different dimensions by the initiative?	Assess whether the initiative has a balanced focus on the dimensions that are considered important in the theory of change	Based on quantitative analysis of answers collected in questionnaire-based, online survey	Make your own calculation in F16	1 0.6	Score: 1-((number of different scores-1)/number of dimensions). A score close to zero indicates unbalanced consideration of different dimensions, whereas a score close to 1 indicates balanced consideration of different dimensions in the initiative.
How strongly would it affect the outcomes of the initiative, if the dimension was excluded?	The question checks for the importance of the dimensions to capture expected (and as far as possible unexpected) outcomes of the initiative. Please score	Based on quantitative analysis of answers collected in questionnaire-based, online survey	Spatial Temporal Network Institutional Economics Knowledge Jurisdictional	1 0.8 1 0.8 0.8 1 0.6	0=no relevance 0.2=slight relevance 0.4=some relevance 0.6=relevant 0.8=high relevance 1=essential



**Network
for Evaluation
of One Health**

One Health Index and Ratio - values		
OH operations	Thinking	
	Planning	
	Working	
Supporting infrastructure	Sharing	
	Learning	
	Systemic organisation	
	One Health Index	
	One Health Ratio	One Health Index and Ratio Spider Diagram



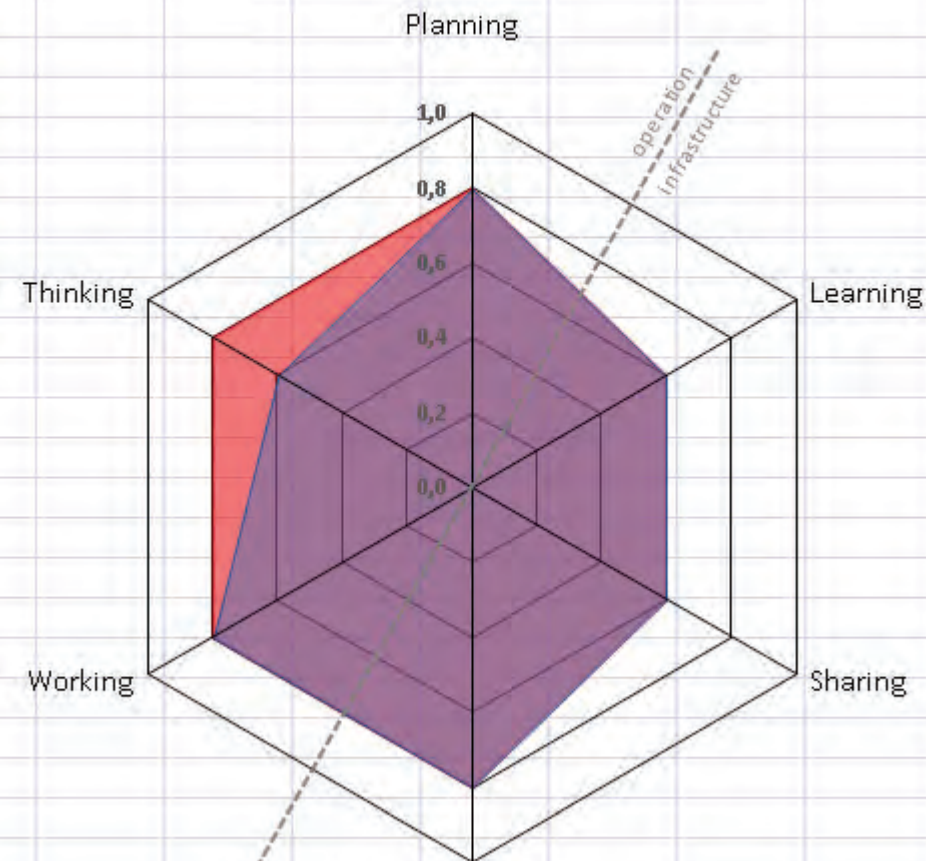
Values from 0 (=no OH approach) to 1 (=perfect OH approach)



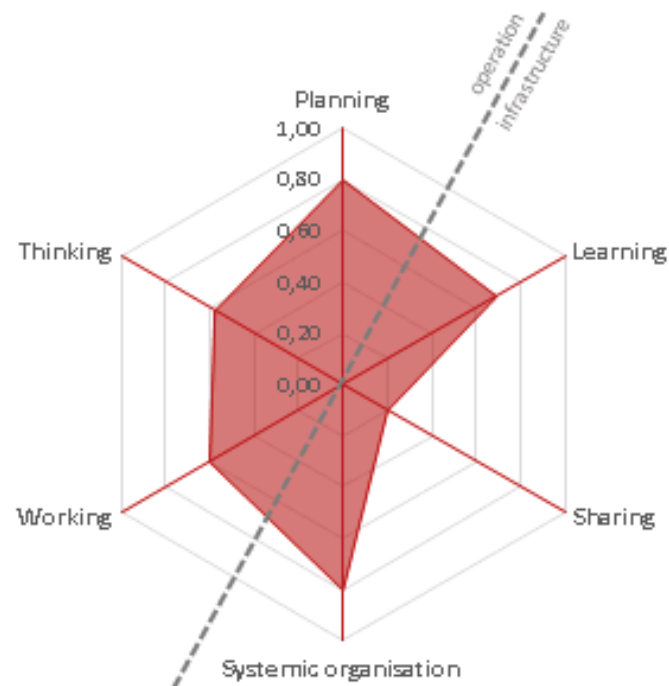
Network
for Evaluation
of One Health

Zoonotic diseases

One Health index



One Health Index



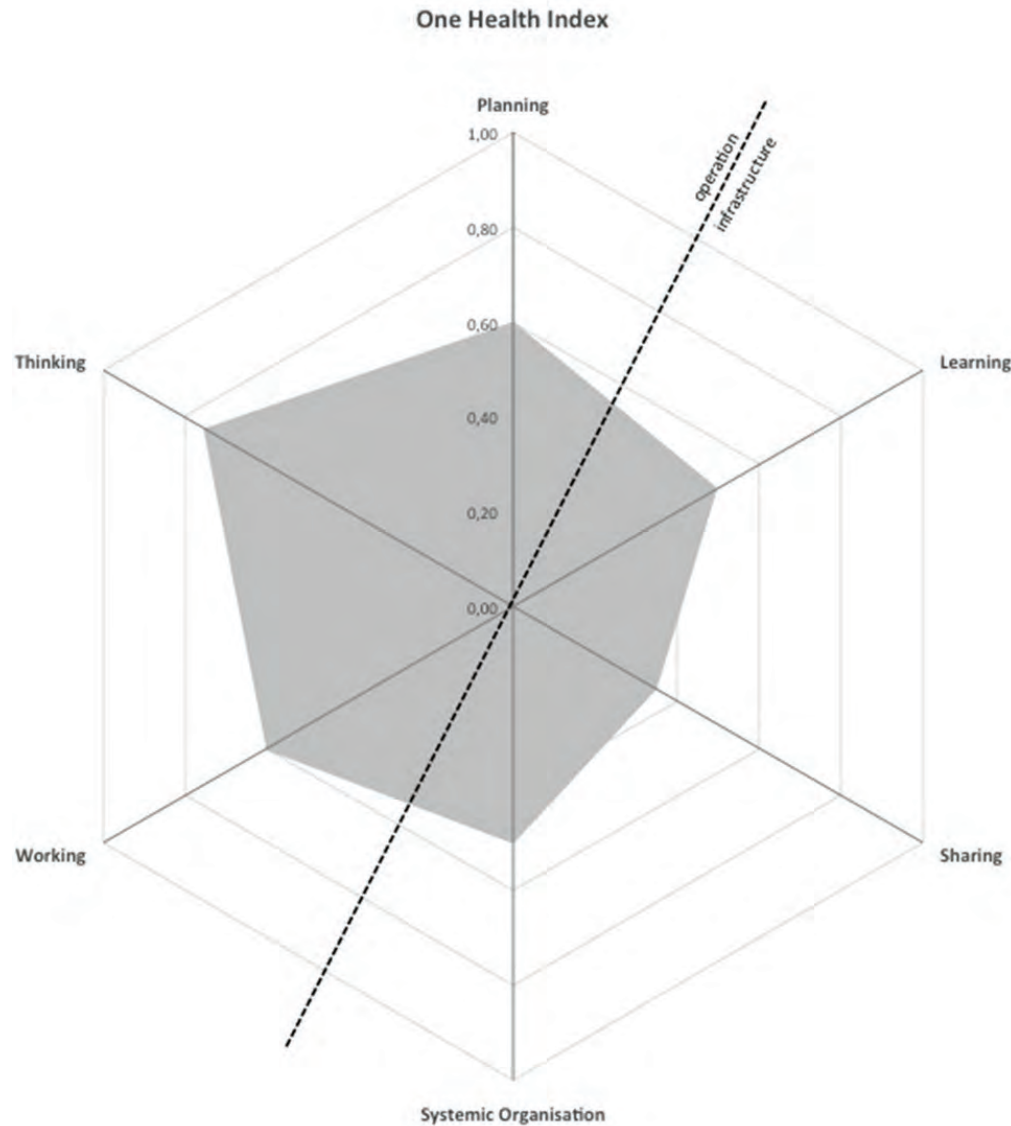
Centre for infectious diseases
The OH index calculated was 0.359, and
the OH ratio calculated was 1.495.

Malta - higher OH index (0.54) and ratio
(1.37) than Serbia (0.49 and 1.14)



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of One Health

Zoonotic diseases

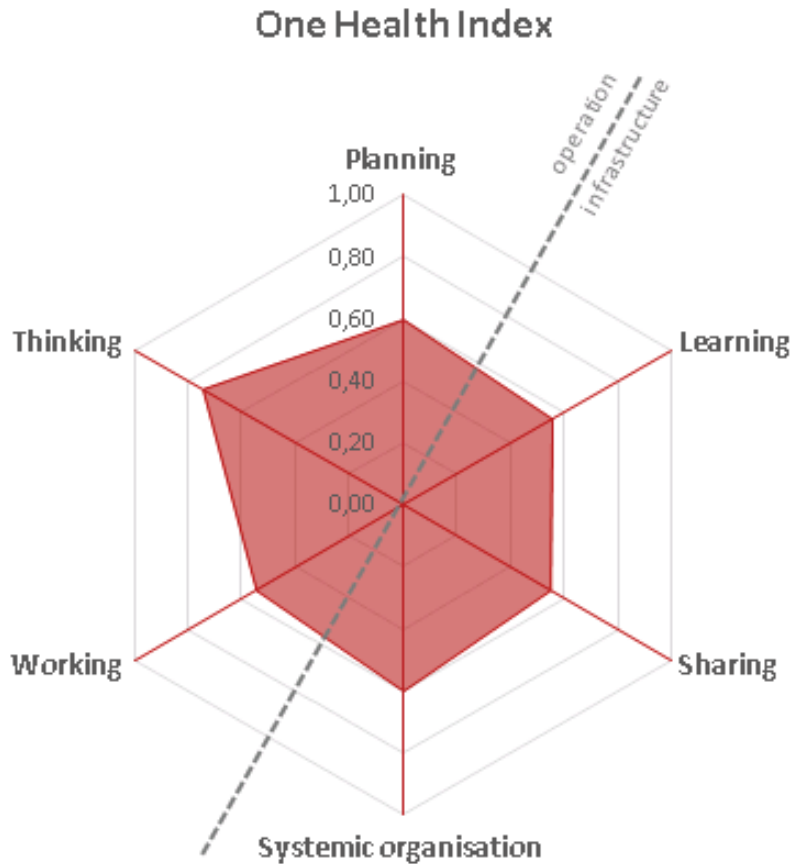


Cysticercosis
The OH index was
0.31. Its OH ratio is
1.98

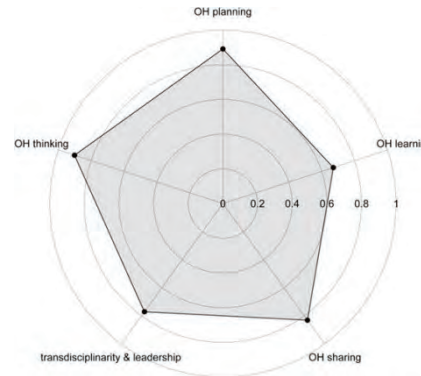


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Vector borne diseases



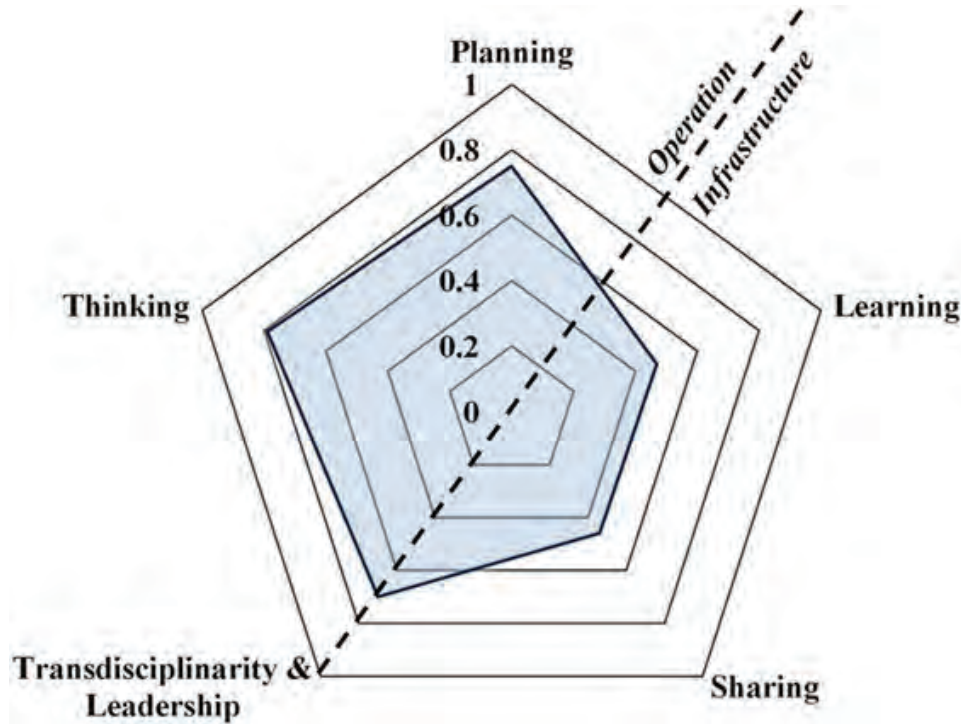
Ticks in cattle in Zambia
The overall OH Index was 0.34
and ratio 1.20



West Nile in Italy



**Network
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of One Health**



Animal Welfare Center

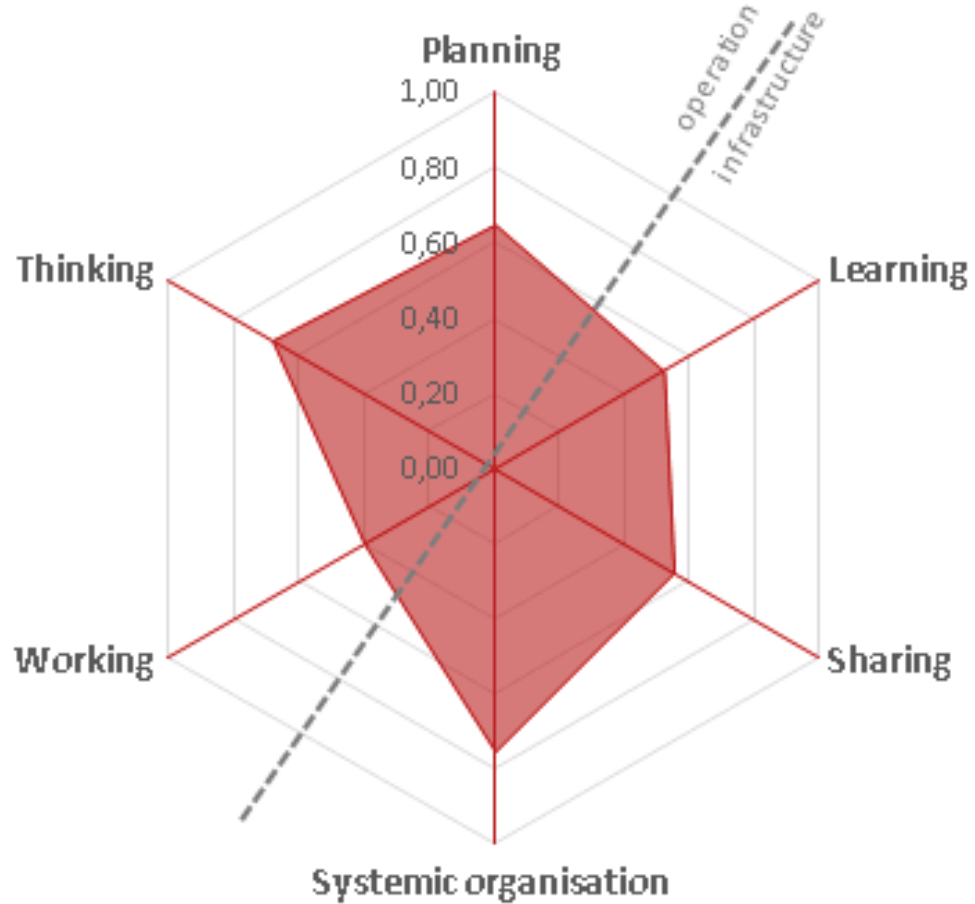
By using Eq. 1, the OH Index was 0.97, by using Eq. 2, the score was 0.68, while the IOH Ratio was 2.20.



Obesity

The calculated OH-index was 0.29
and ratio 1.1

One Health Index in UC-Care



The OH index of UC-CARE was 0.34
and ratio was 1.1



**Network
for Evaluation
of One Health**

