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## One-Health evaluation on West Nile virus integrated Surveillance in Northern Italy, 2016

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(Article begins on next page)

# OH evaluation on West Nile virus integrated Surveillance in Northern Italy, 2016

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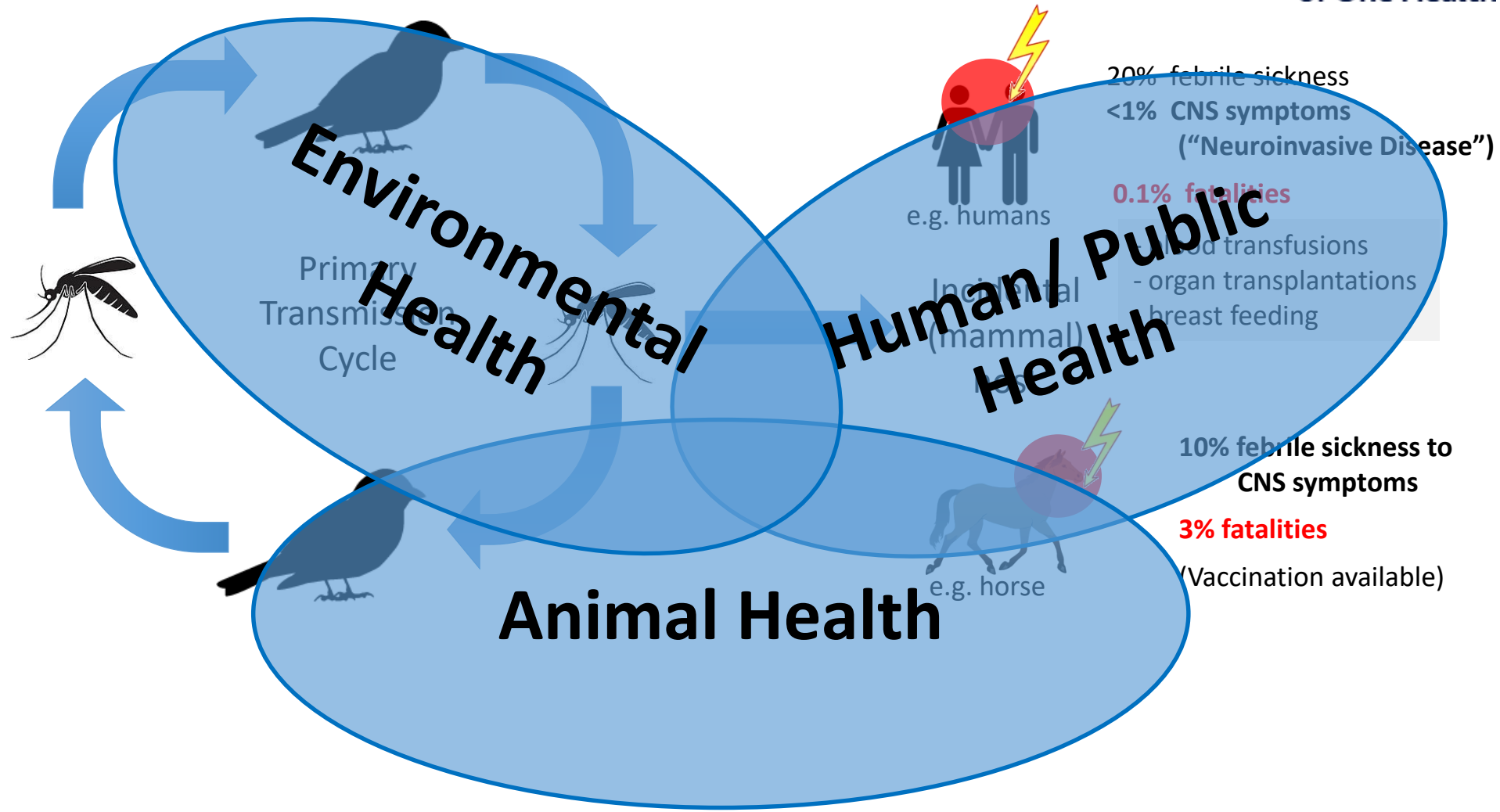


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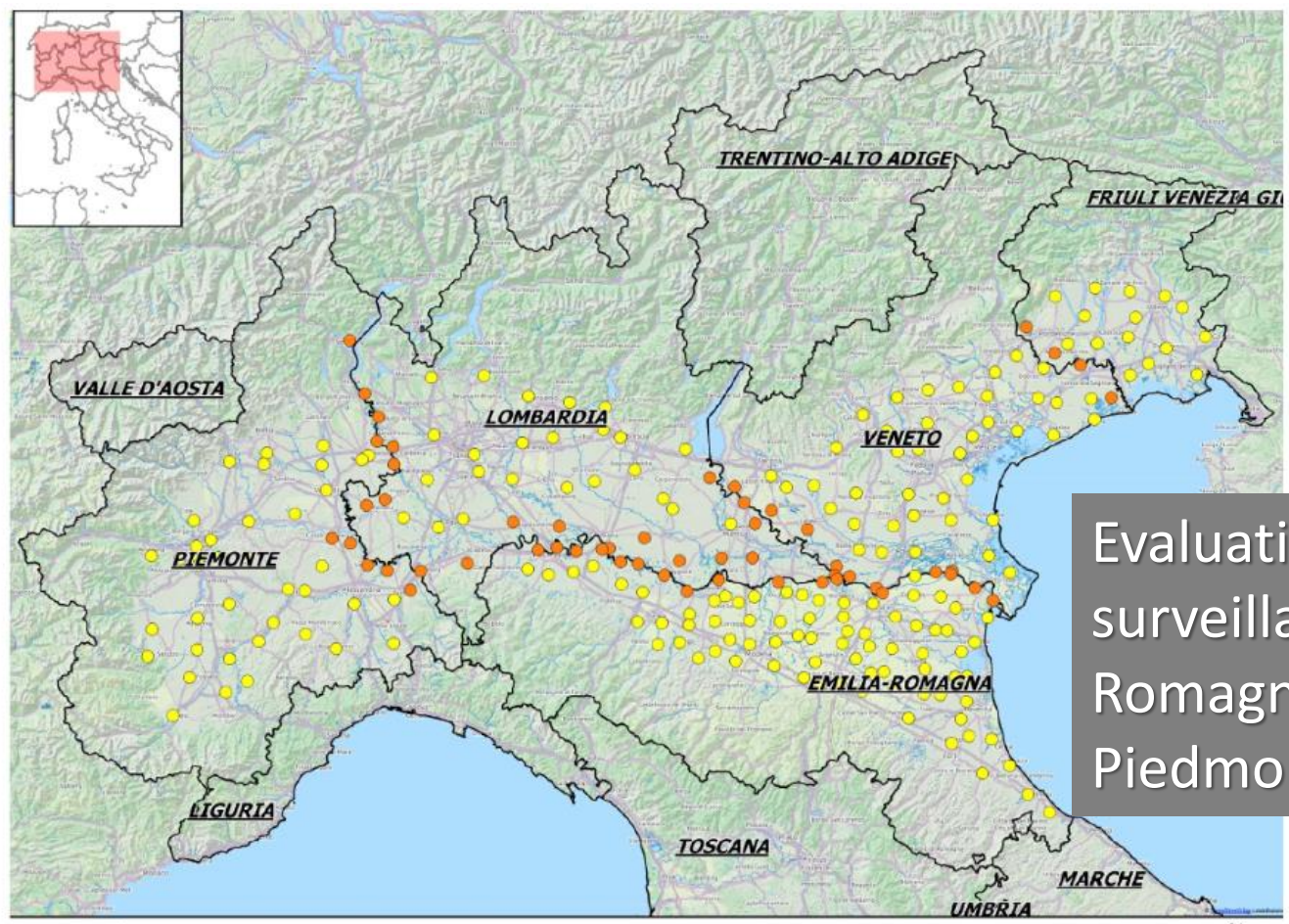
# WNV



holistic approach to understand and manipulate the transmission system

Italy: national plan for the surveillance of human vector-borne diseases

Regional integrated surveillance plans: detecting WNV circulation and reducing the risk of infection in horse and human populations



Evaluation of regional surveillance in Emilia-Romagna, Lombardy, and Piedmont regions, 2016

Legenda

- Siti monitoraggio entomologico
- Siti monitoraggio entomologico valenza sovraregionale



Entomological traps in Po river valley (source: Emilia-Romagna WNV surveillance plan 2016)

# Evaluation questions

## 1. OH-ness evaluation

Use of NEOH handbook to score

OH - thinking

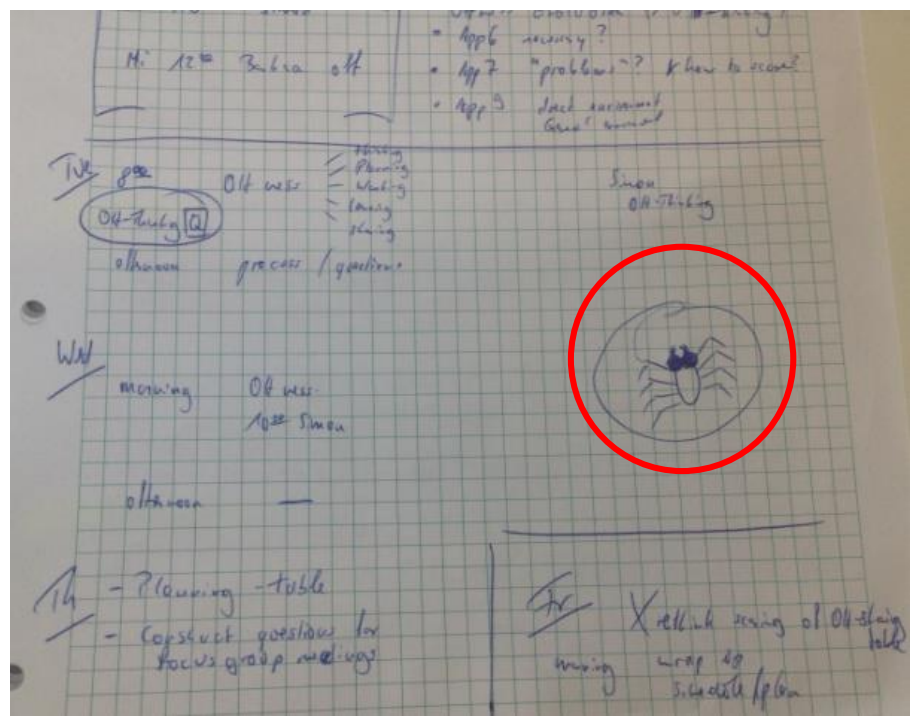
OH - planning

OH - sharing

OH - working

OH - learning

Detect the strength  
of OH approach





# 2. process evaluation

## Focus group

- One for each region
- Maximun 8 participants
- ‘privileged observers’ – participating in the surveillance system
- 90’

*Annu. Rev. Sociol. 1996. 22:129-52  
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## FOCUS GROUPS

*David L. Morgan*

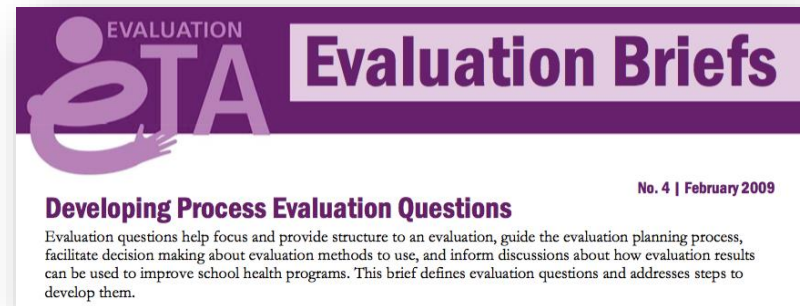
Institute on Aging, School of Urban and Public Affairs, Portland State University, Portland, Oregon 97201

KEY WORDS: qualitative research methods, methodology, focus groups, group interviews

Detect strengths and weaknesses of how the initiative is implemented

## Specific Questions

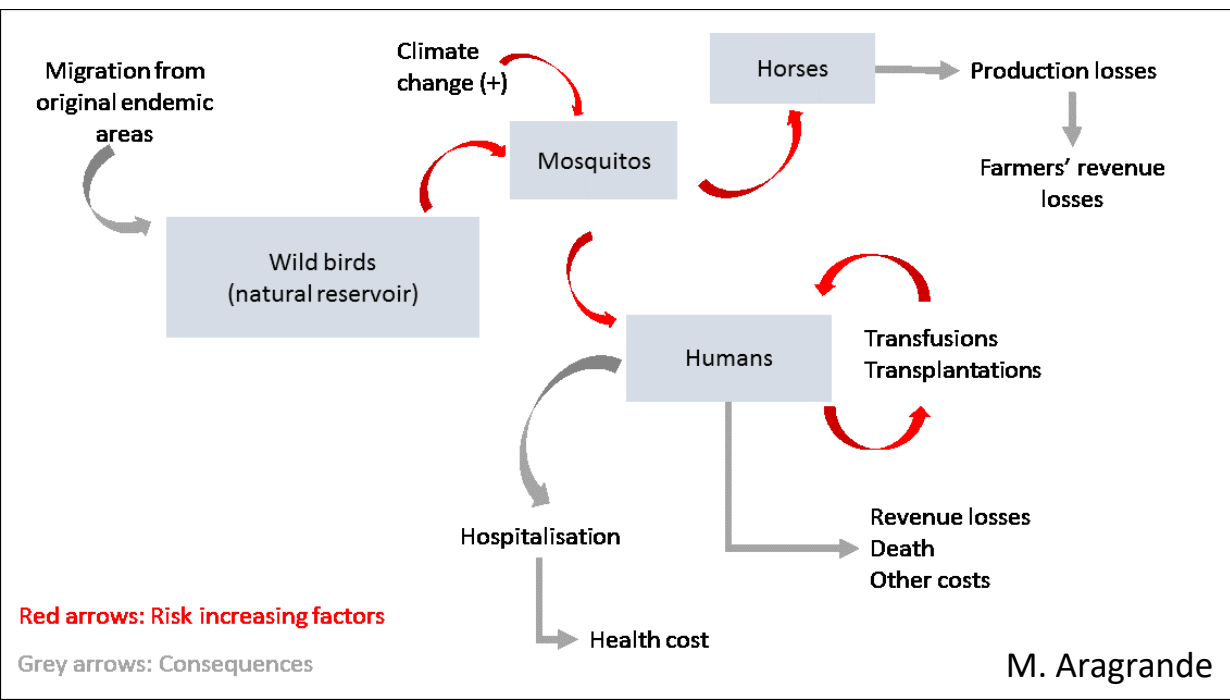
1. Fidelity
2. Reach
3. Dose delivered



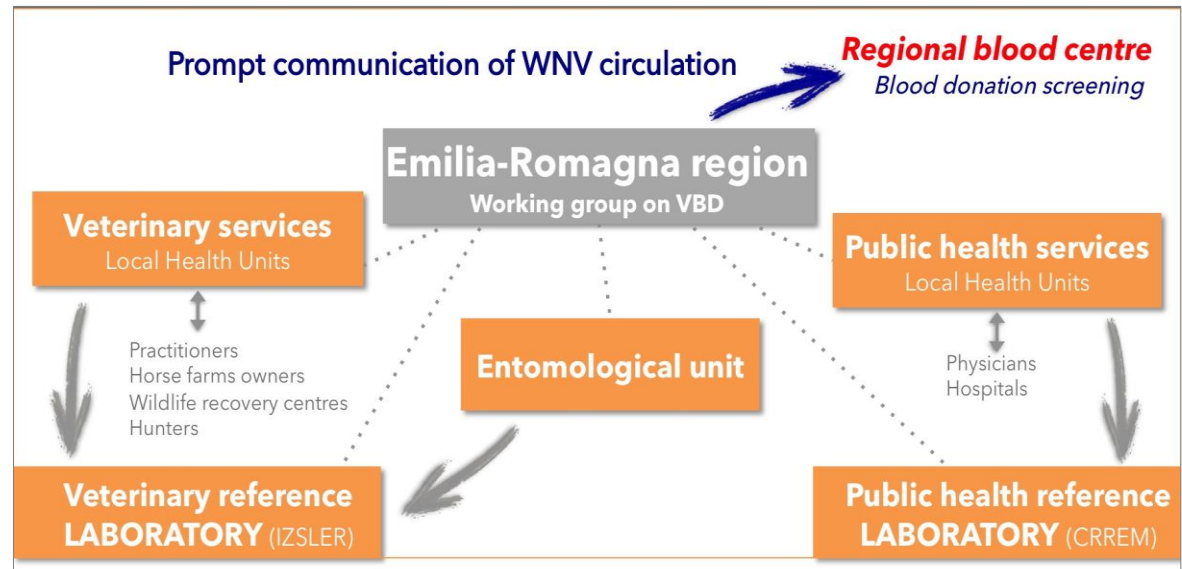
# RESULTS OF EVALUATION (1)



## Identification of the system

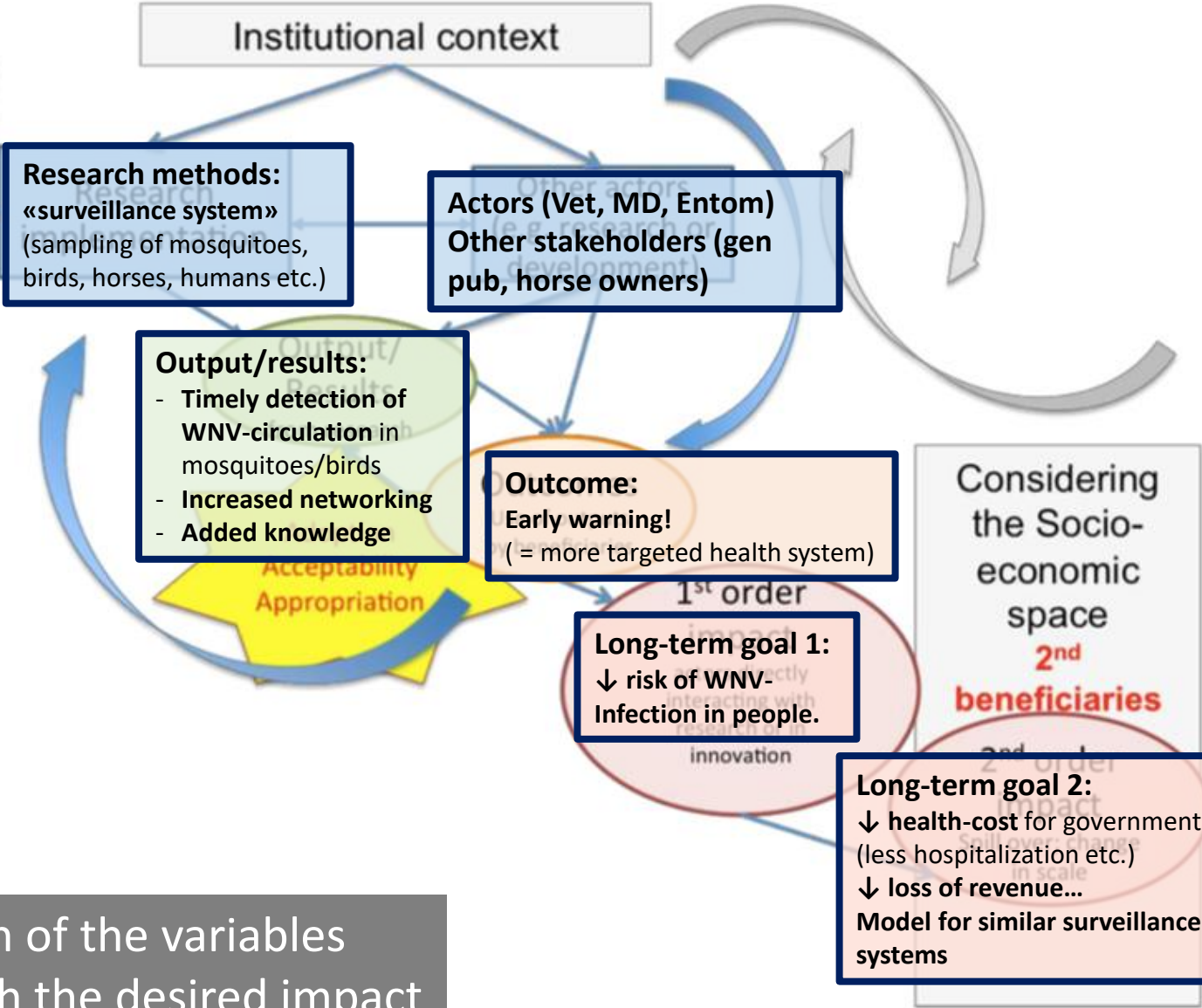


## Institutional system



# Theory of Change

- Input:**
- Previous knowledge
  - Funding
  - **Actors:** veterinarians, medical doctors, entomologists (funding, availability, education, training)
  - **General stakeholders:** general public, horse owners (informed and cooperating)
  - Platform for **communication** and interaction between stakeholders

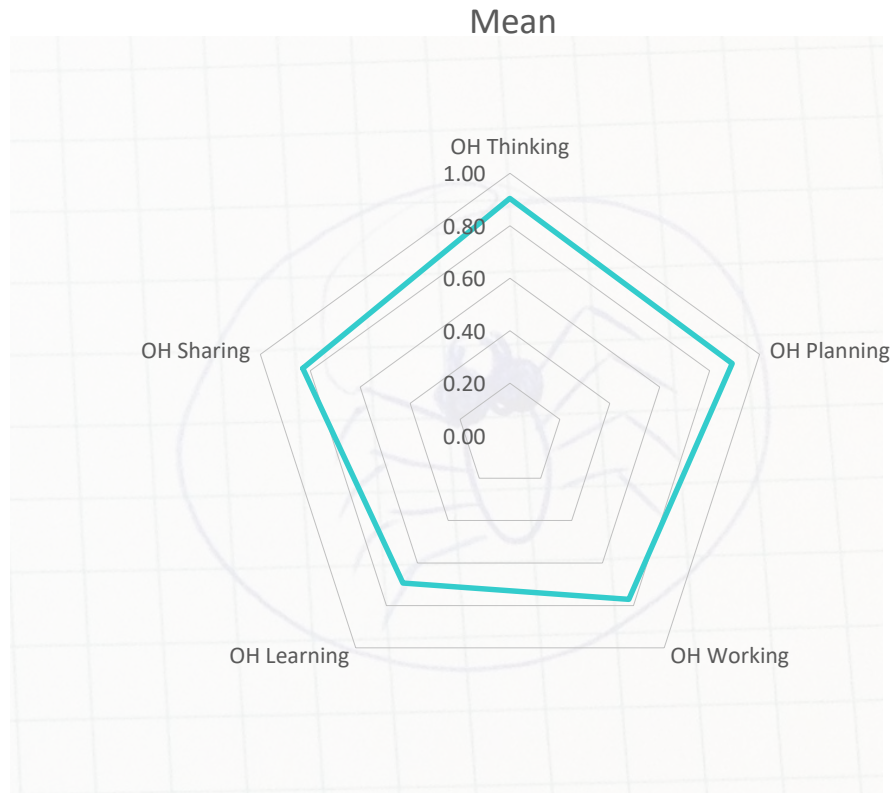


Identification of the variables required to reach the desired impact



# OH-ness evaluation

## Spider diagram



## Scores

OH Thinking:	0.90
OH Planning:	0.89
OH Working:	0.77
OH Learning:	0.69
OH Sharing:	0.83

Good scores, highlighting critical issues related to communication and learning gaps

# Process evaluation

## first insights and outlook

- 12/12/16 FG in Piedmont
- 22/12/16 FG in Emilia-Romagna
- 12/01/17 FG in Lombardy



## Preliminary results

- Some differences among Regions
- Critical points
  - Communication
  - Funding

# Implementation of the evaluation process: problems encountered, limitations

## OH-ness evaluation



### In general

- Assessment tools were in the validation phase
- Vocabulary not always clear
- Room for subjective interpretation of questions
- We had to remember to evaluate the overall system, not the success/output of the system

### In particular

- OH thinking: quite hard to compile
- OH learning: has to be answered by actors involved in the initiative, very difficult as external evaluators

## Process evaluation

The help of sociologists is essential

# Conclusions

- Evaluation process iterative and time-consuming, but very rewarding by providing deeper insights
- OH-ness evaluation enabled to detect critical points
- Deeper insights expected from the qualitative process evaluation

→ basis for the development of shared recommendations to fine-tune and implement the initiative in a more OH oriented perspective