



What is evaluation?

- To appraise a system in the most objective way
- Main goal: improve the functioning of the system

decision-making tool

- Within the system:
 - Detection of the system weaknesses
 - Control the quality of information produced
 - Control the use of funding
- Outside the system:
 - Measure the capacity of the country to detect diseases under surveillance
 - Enable neighboring country to do risk analysis

To take action

- Modification of surveillance protocol
- Organization of training sessions
- Revision of surveillance objectives



SURVEILLANCE NETWORKS ASSESSMENT - RATIONALE

Ensure efficacy and efficiency

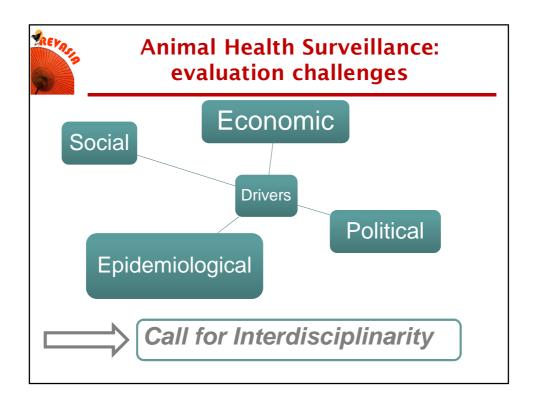
- Assess the operational efficacy of the network
 - Analysis of critical points: trouble shooting diagnosis
 - Proposals for improvement
- Assess the adequacy between objectives and results
- Best use of ressources

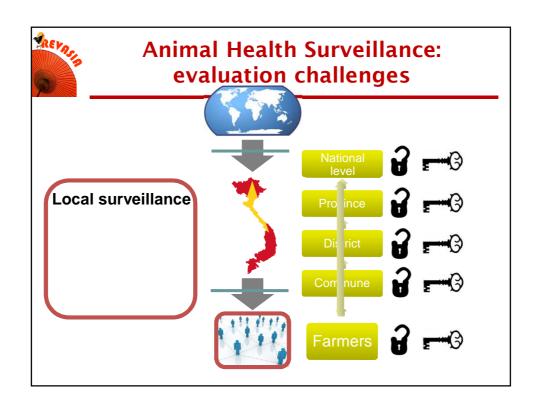
Ensure quality of data generated

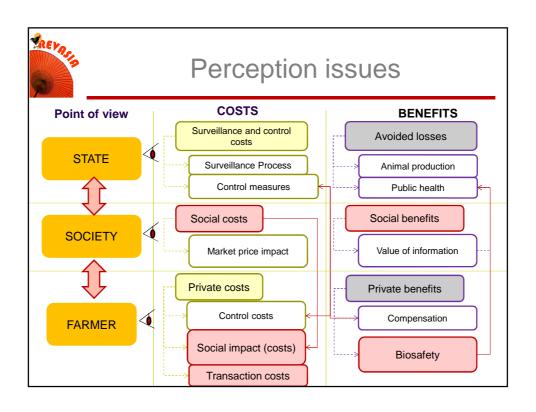
- Ensure trust in the sanitary situation: trade issues
- Ensure efficacy and relevance of control measures/strategies

Internal vs External assessment

- Internal: performance indicators; long-term process (continue)
- External expertise; transversal assessment (punctual)





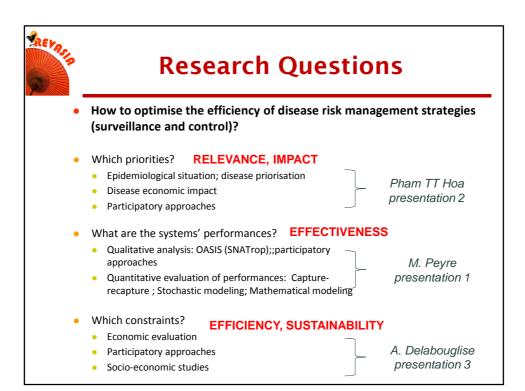






Research on tools for the evaluation of animal health surveillance systems (2009-2017)







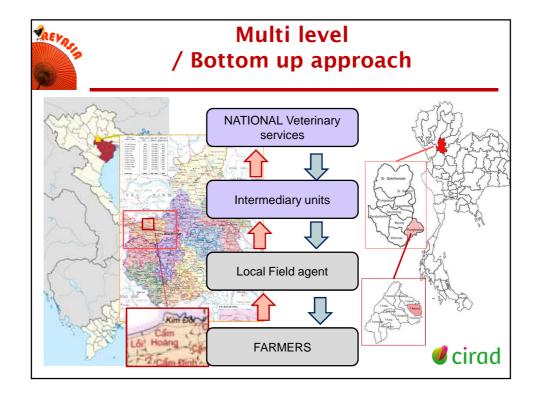
Research Questions

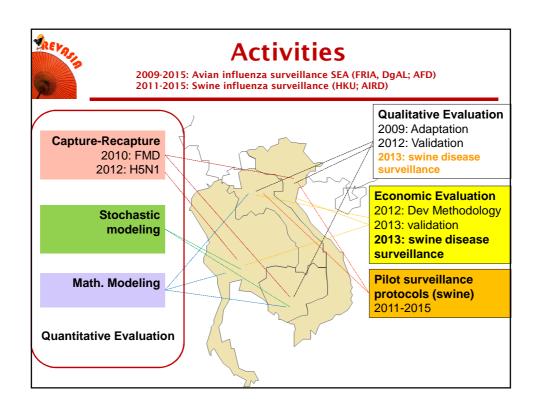
- How to design efficient strategies?
 - Which protocols and how?
 - Value chain network analysis (Social network analysis)
 - Risk analysis

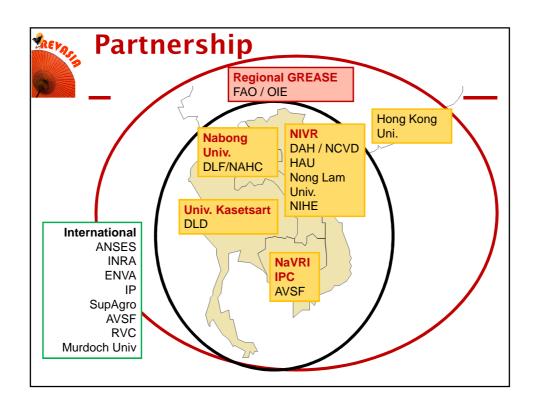
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- Pilot surveillance protocols (syndromic surveillance, SMS...)
- Acceptability and perception studies
- How to address all actors' constraints and priorities?
 - Companion modelling from local to national
 - (READI ComMod Pilot network)

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Ongoing activities -Vietnam

Development of socio-economic evaluation methods

- Socio-economic evaluation of swine disease surveillance system in Vietnam (PhD Thi Thanh Pham Hoa, CIRAD) (2013-2016)
- Evaluation of social costs and benefits of avian influenza surveillance in Vietnam and Thailand (PhD Alexis Delabouglise, CIRAD) (2011-2015)
- Evaluation of farmers' perception of FMD vaccination in South Vietnam (PhD, Truong Dinh Bao, Nong Lam Uni.) (2013-2016)

Innovative approaches for surveillance designs

- Inter-species transmission risks in commercial pig production in Vietnam (Mphil Dao Duy Tung, NIVR) (2015-2016)
- Innovative approach for zoonotic risk surveillance in Vietnam: the case study of swine influenza (PhD Eugénie Baudon, CIRAD/HKU) (2011-2015)
- Avian influenza surveillance system at the interface of veterinary and public health: how to ensure a One Health approach (READI network) (2014-2016)

Evaluation of REVASIA research program expected impacts (2014-2016)