



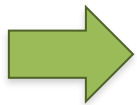
**The critical importance of
socio-economic and
cultural factors to ensure
efficient integrated health
surveillance**

Marisa Peyre, CIRAD

One Health towards better decision making in health

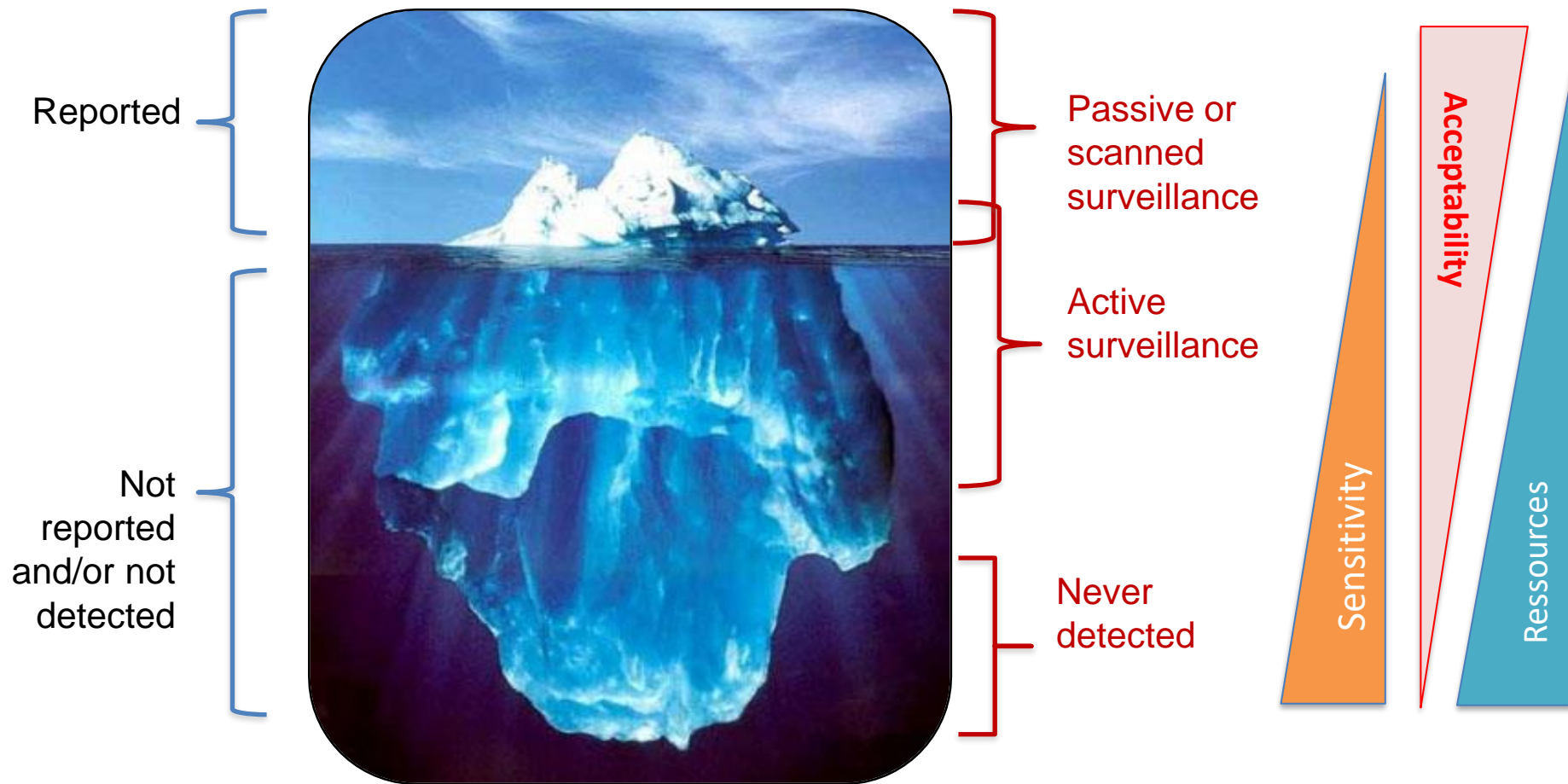


Importance of interdisciplinary work: at the interface of epidemiology, social and economic sciences



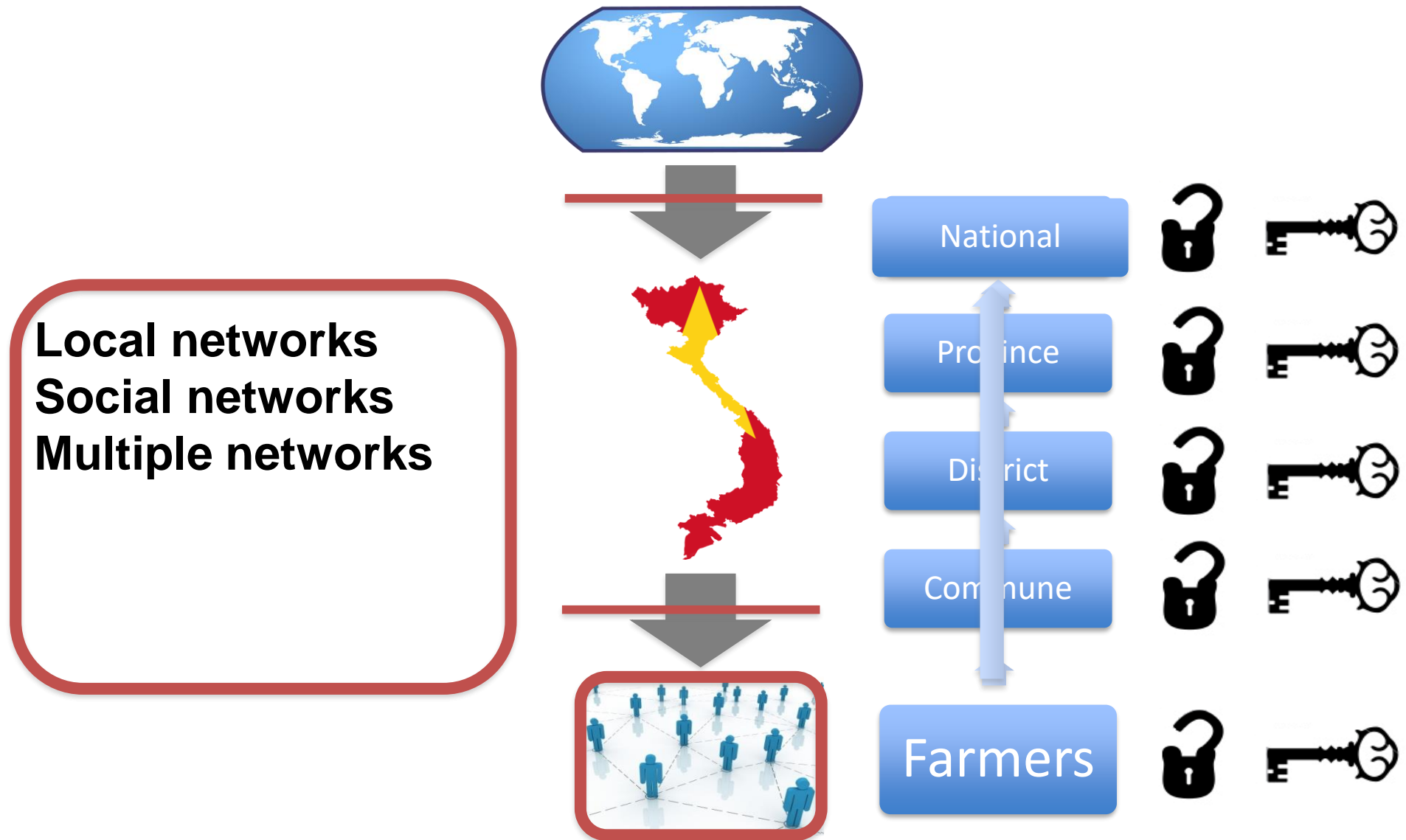
Difficulties of working at the interface of epidemiology, social and economic sciences

Why do we need to improve health surveillance?



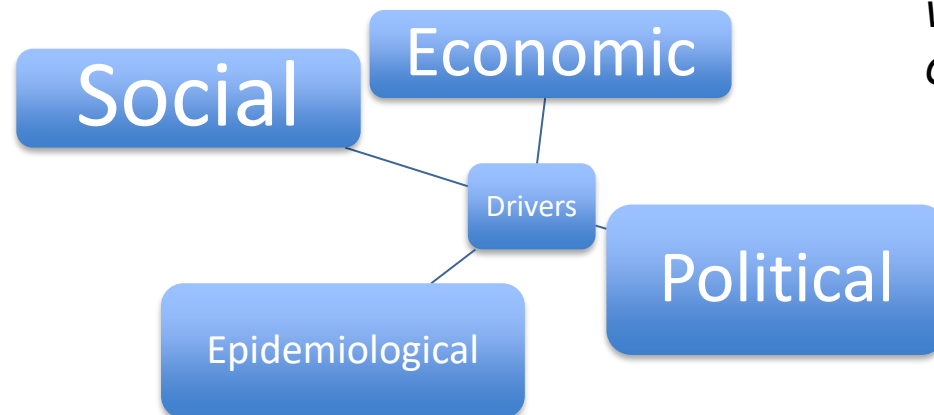
What are we doing wrong?

Health Surveillance: a complex system(s)



How do we make decisions? “To report or not to report?”

- Based on our experience
- Based on our knowledge
- Based on advices from experts
- Based on our beleives and fears
- Based on trust
- Based on our network and interest
- Based on **perceived** impacts (to our health, livelihood)



*“When diarrhea attacks the animals **and if luck is not on our side** all the animals would die”*

“The animal probably sacrifices his life for us”

« The local vet is not competent enough to help us »

« The farmers come to me as a private vet, can not report to the official system »

*“If I report **I will loose my reputation** and won’t be able to get credits from families or bank”*

A little story to illustrate...

Dung is a pig trader near Hanoi.....

This morning, Dung went to see the drug seller who told him....*pigs are sick near Cam Hoang*

Earlier that day, a farmer went to see the same drug seller told him that *his sick pigs were not recovering....*

Dung went to Cam Hoang to buy sick pigs at good prices....

... and sell the carcasses the “normal price” to a small restaurant

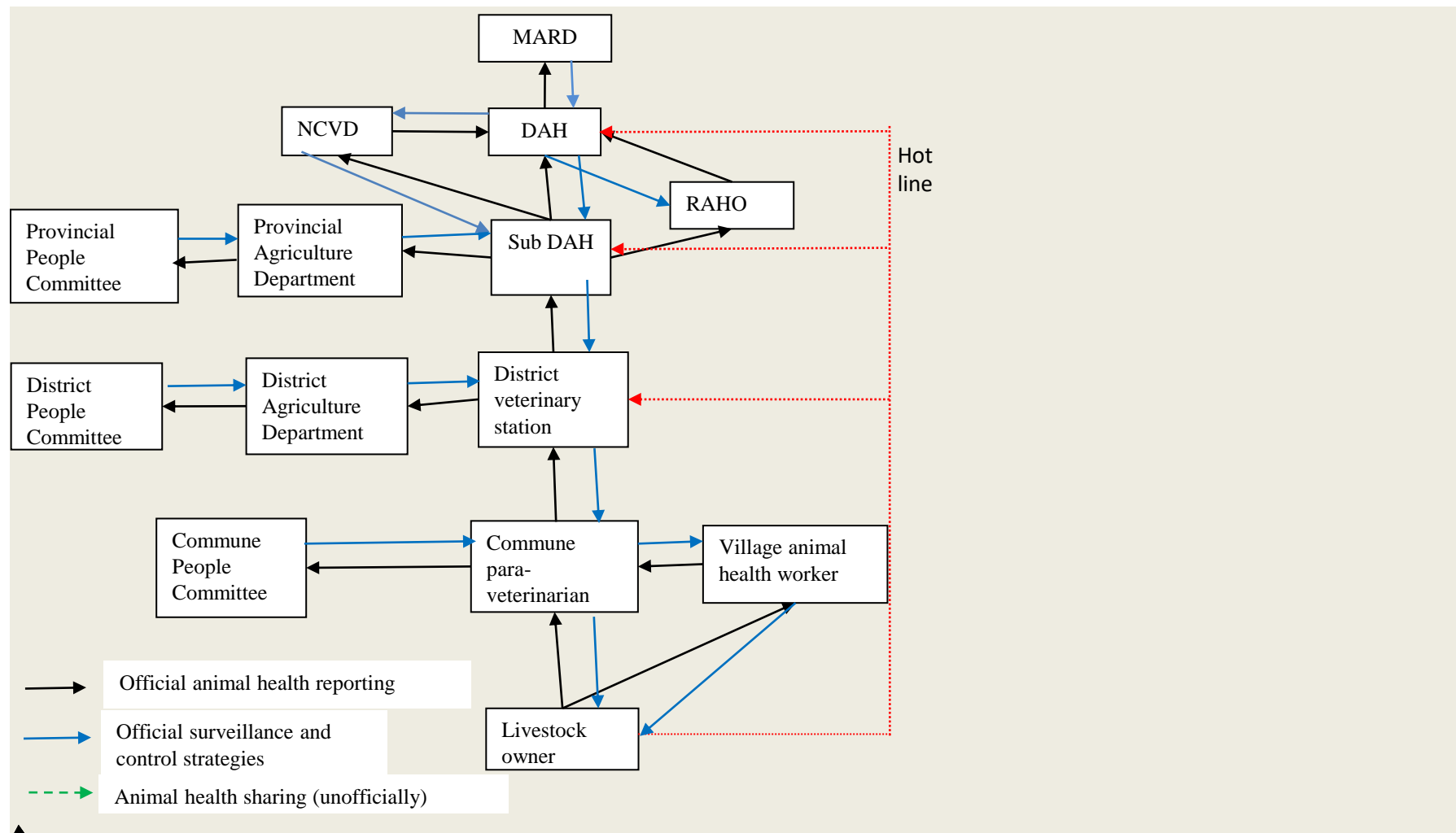
... the farmer was ready to sell his unrecovered sick pigs at low price to get rid of them

It was a good day for both of them!

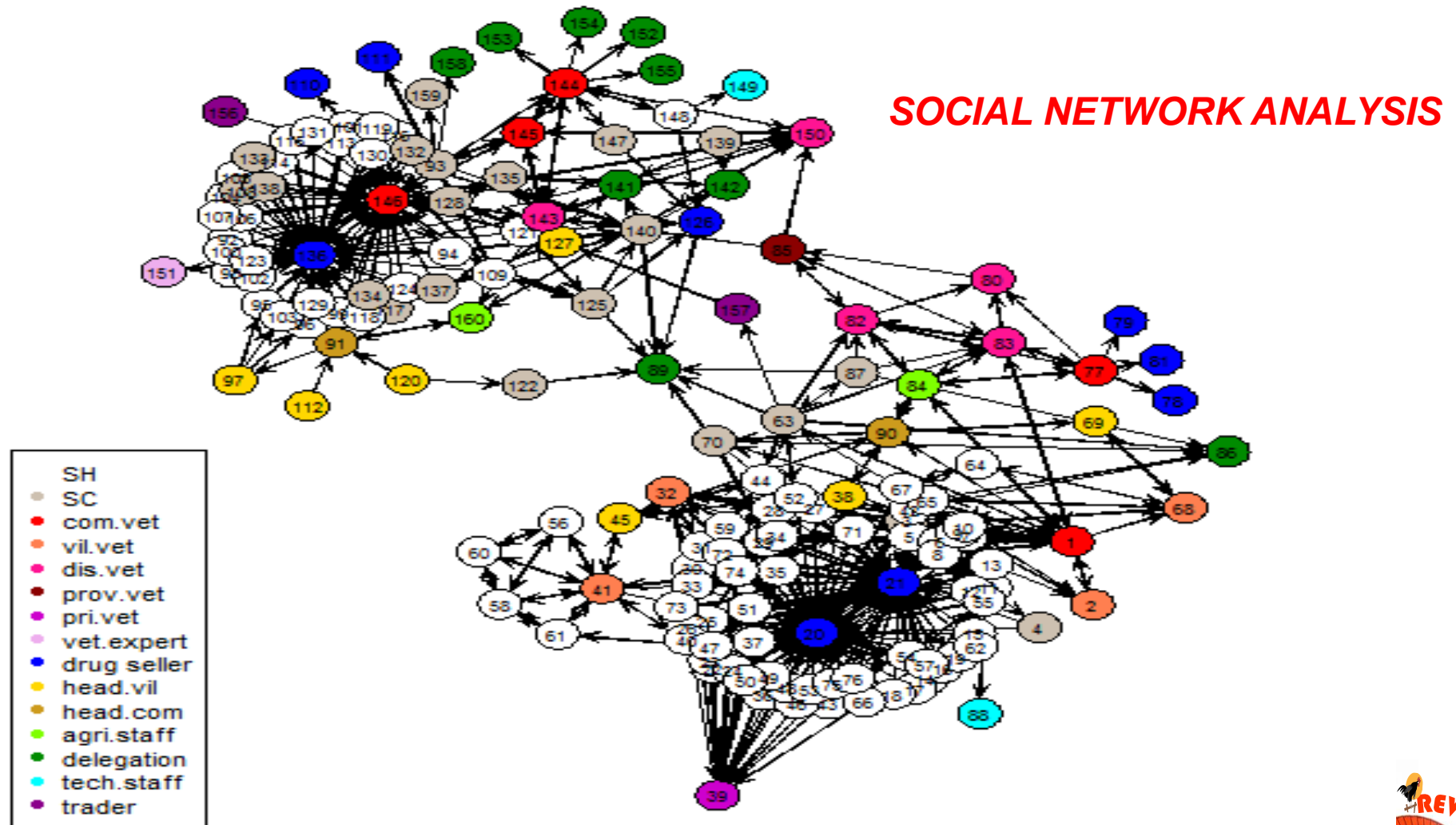


*Adapted from N Antoine
Moussiaux, CIRAD, ULg*

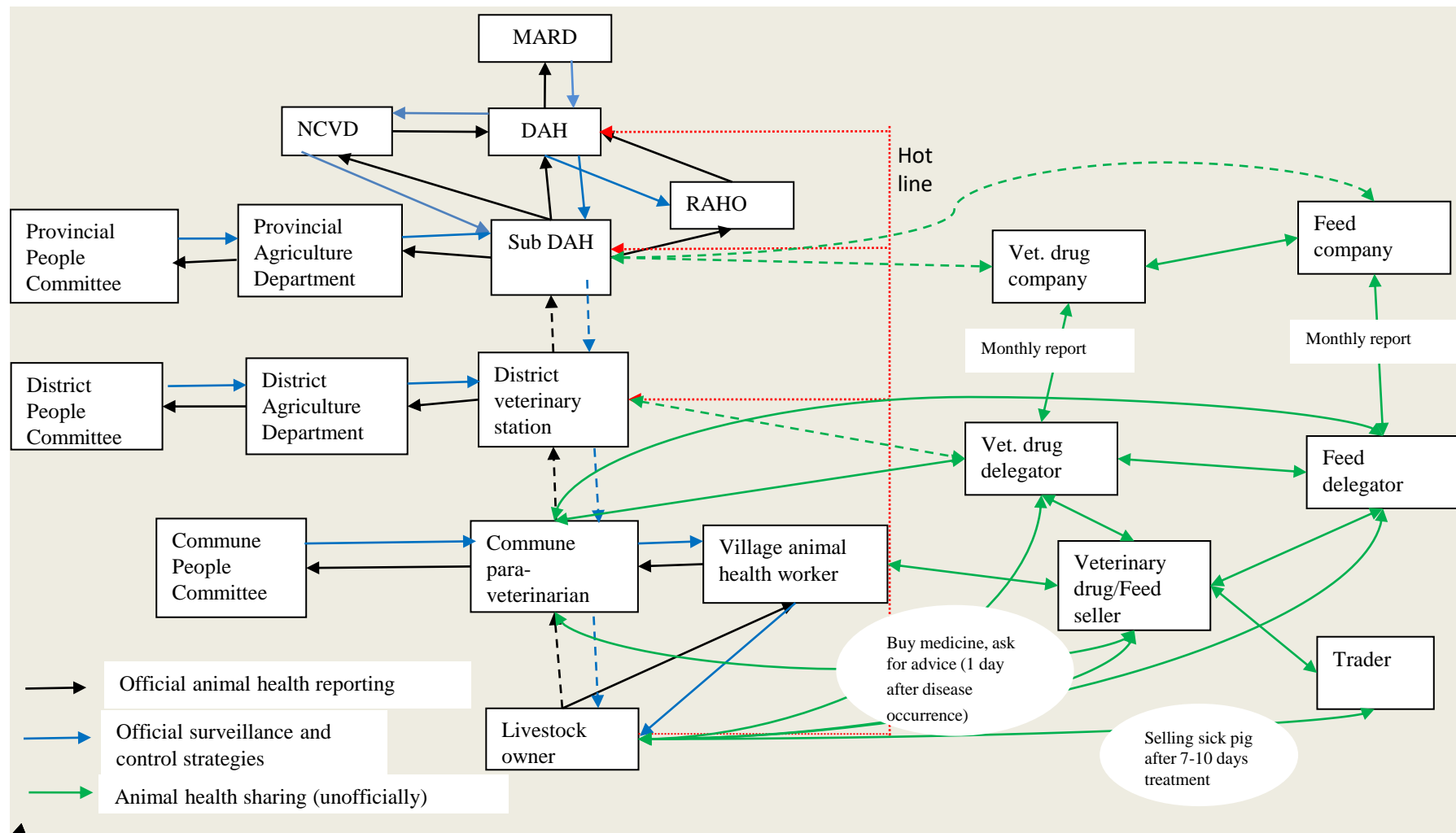
Organization of the swine disease surveillance and control system in Vietnam



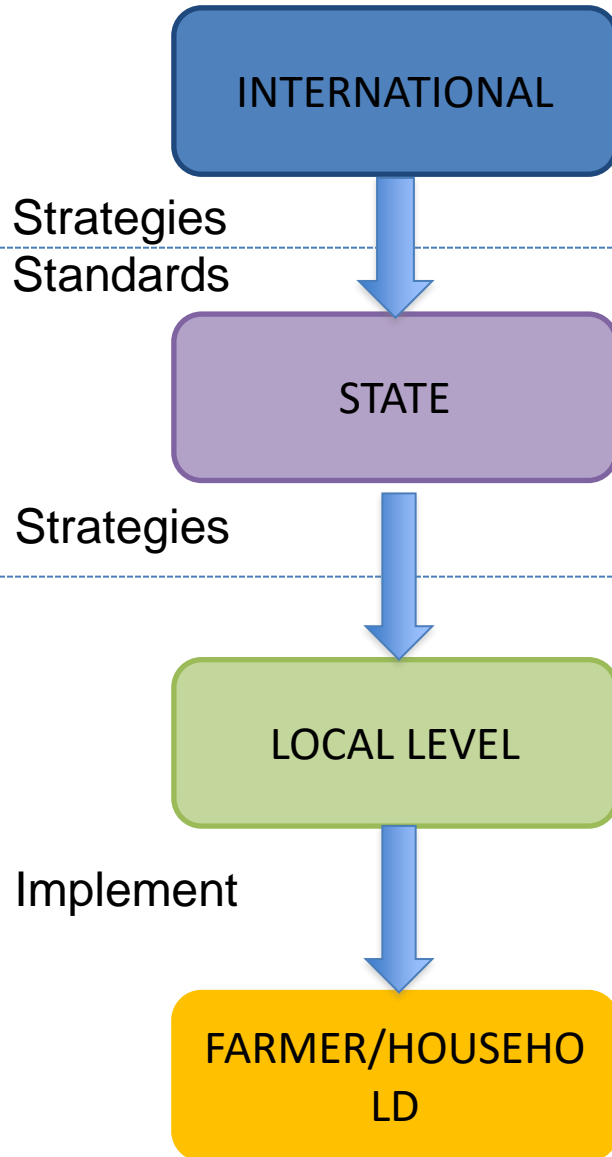
Network of swine health surveillance



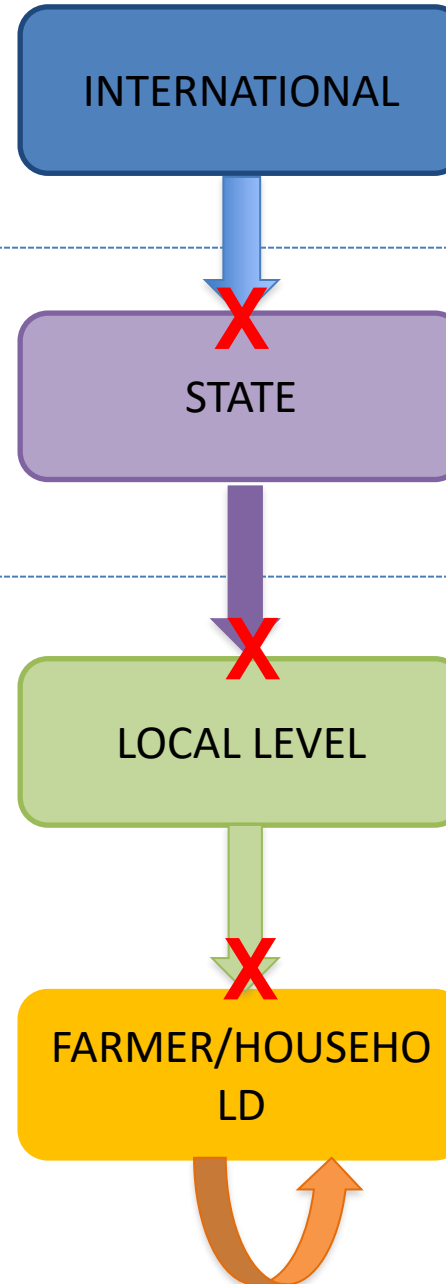
Organization of the swine disease surveillance and control system in Vietnam



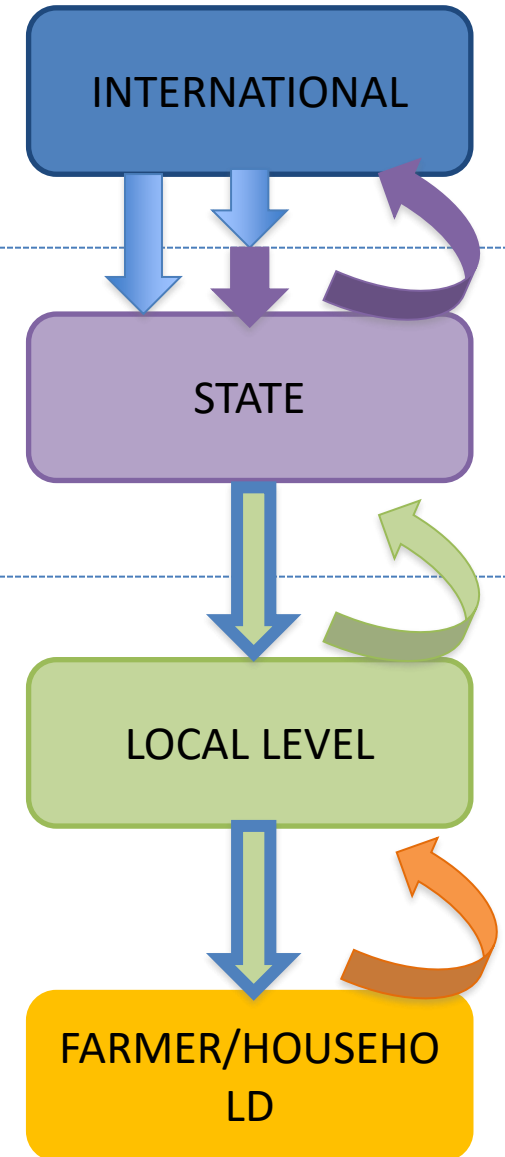
Top-Down



Reality



Aim Bottom-up / Mixed



How to ensure a bottom up / mixed approach?

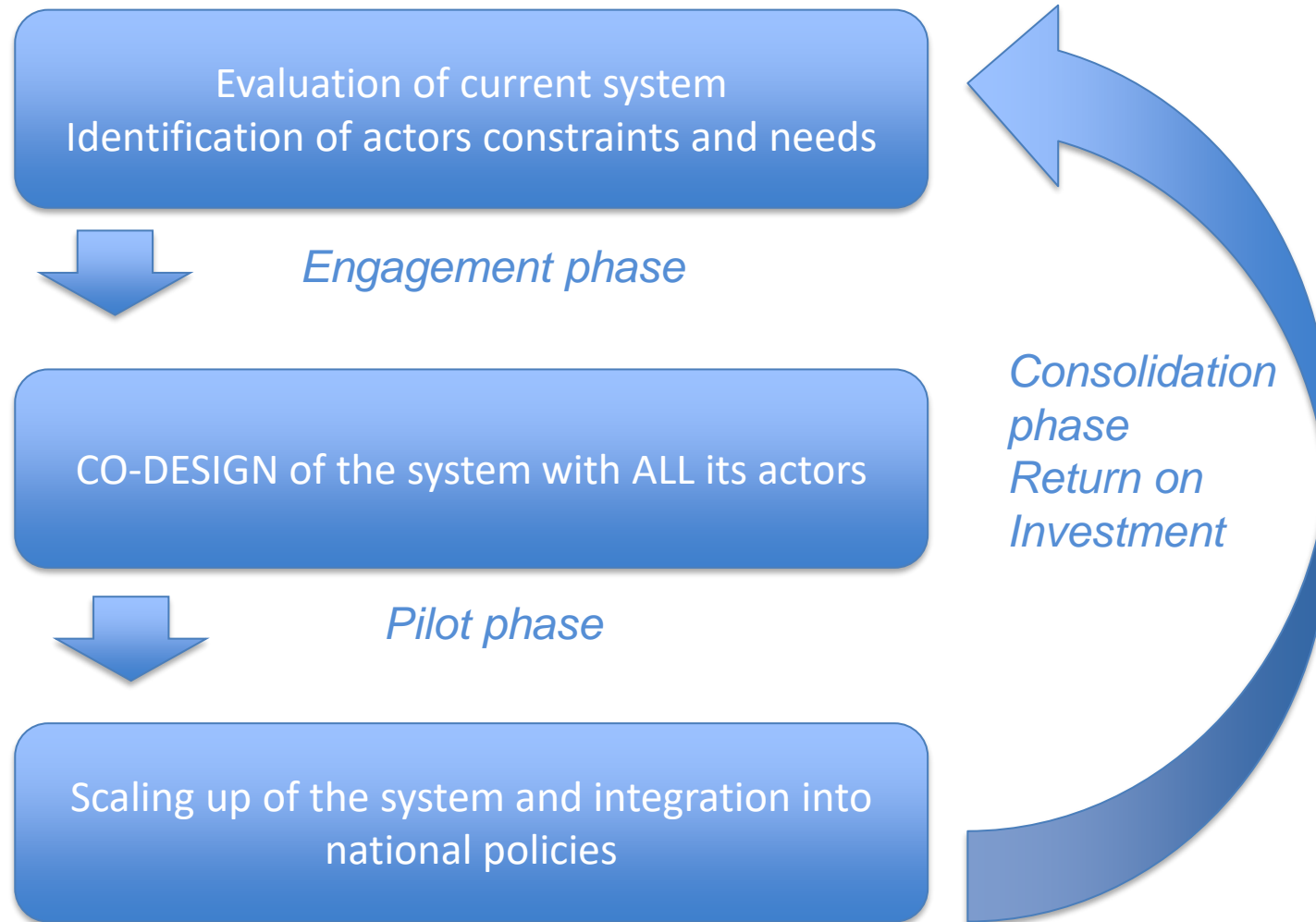
Needs

- Understand the current situation
- Understand the different constraints/needs at all level
- Ensure engagement of the people
- Ensure communication
- Inter-sectorial collaboration: One Health; Integrated surveillance; Public-Private Partnerships...

How?

- Need for **tools that speak to decision makers**; policy makers
- Needs for **tools that speak to people acting**
- Needs for **tools adapted to actor constraints** (and tools to identify them!) and **promoting co-innovation**; open innovation

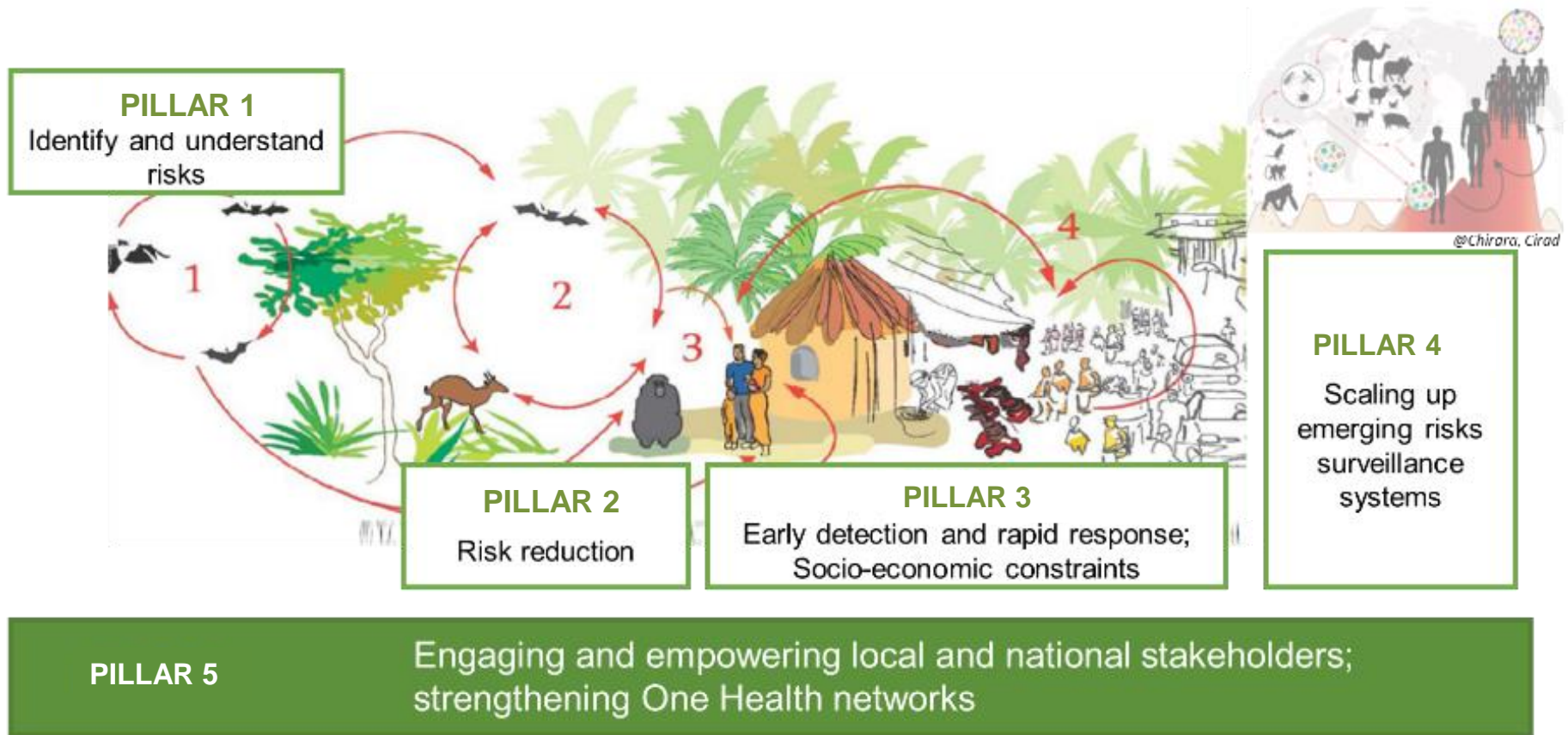
Promoting an integrated surveillance approach: User based surveillance systems





Preventing Zoonotic Disease Emergence –
Joining forces to tackle pandemic risks

Vision and objective



IDENTIFY AND UNDERSTAND RISKS to
CO-DEVELOP SOLUTIONS TO REDUCE THEM



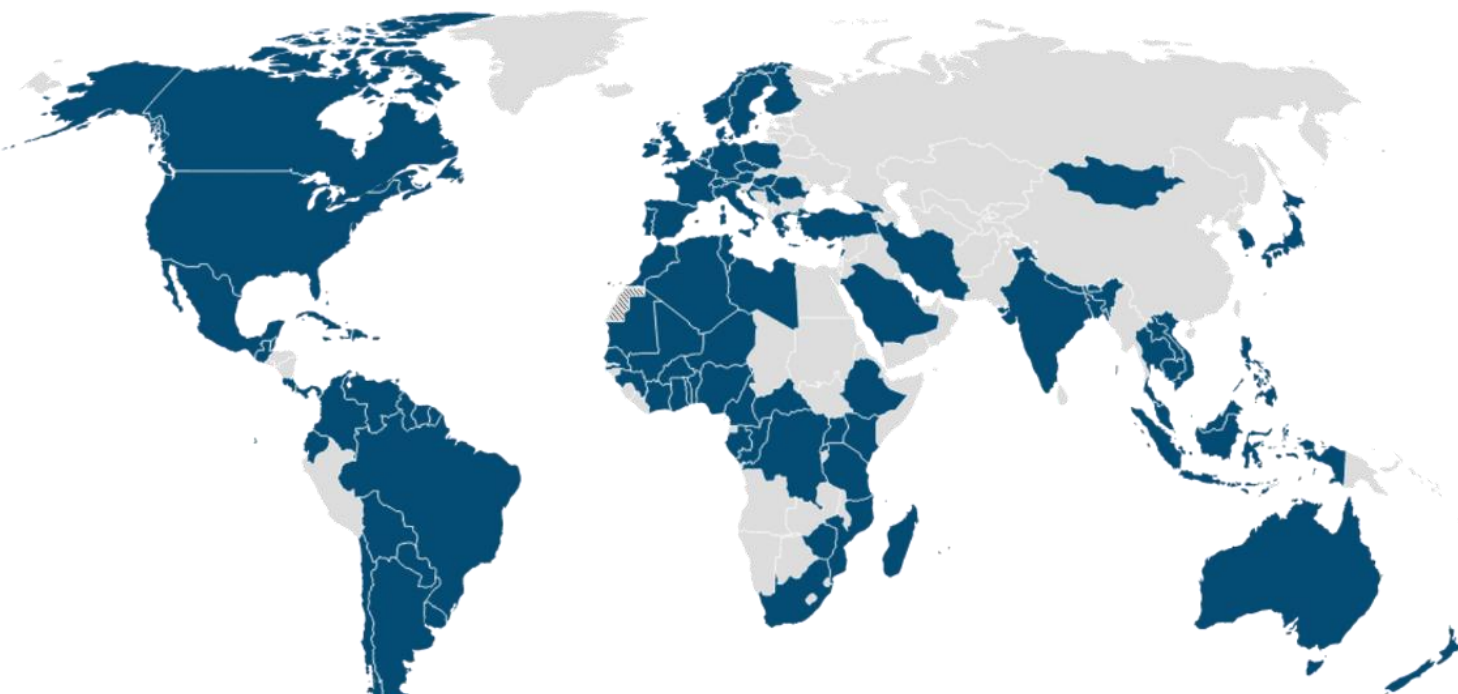
STENGHTHENING EARLY WARNING
SYSTEMS, OPERATIONAL
FROM LOCAL TO GLOBAL

2021: PREZODE's co-construction process to develop together its scientific and operational agenda

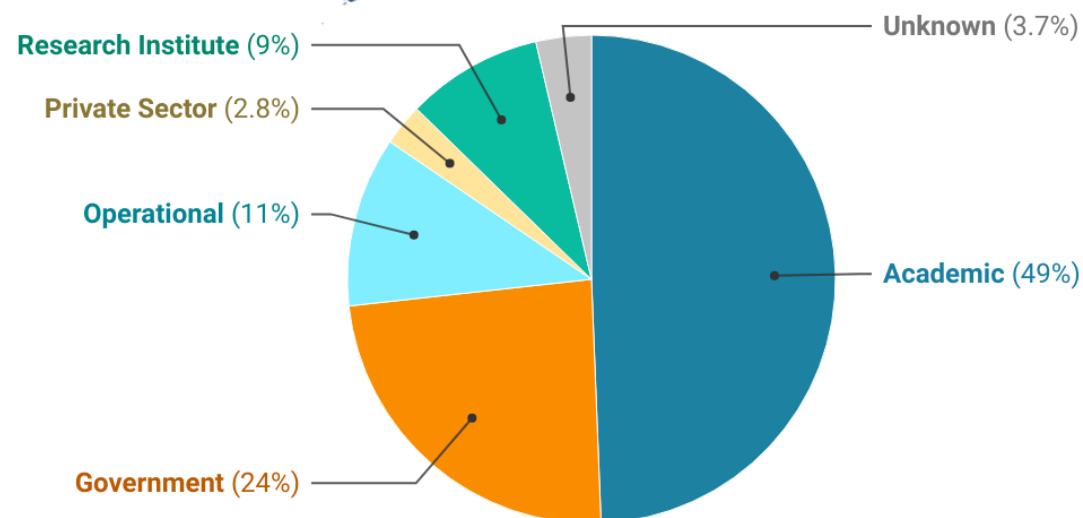
The 3 phases of the regional workshops took place in the year 2021.



PREZODE co-design process 27 workshops



1500 Participants
122 Countries



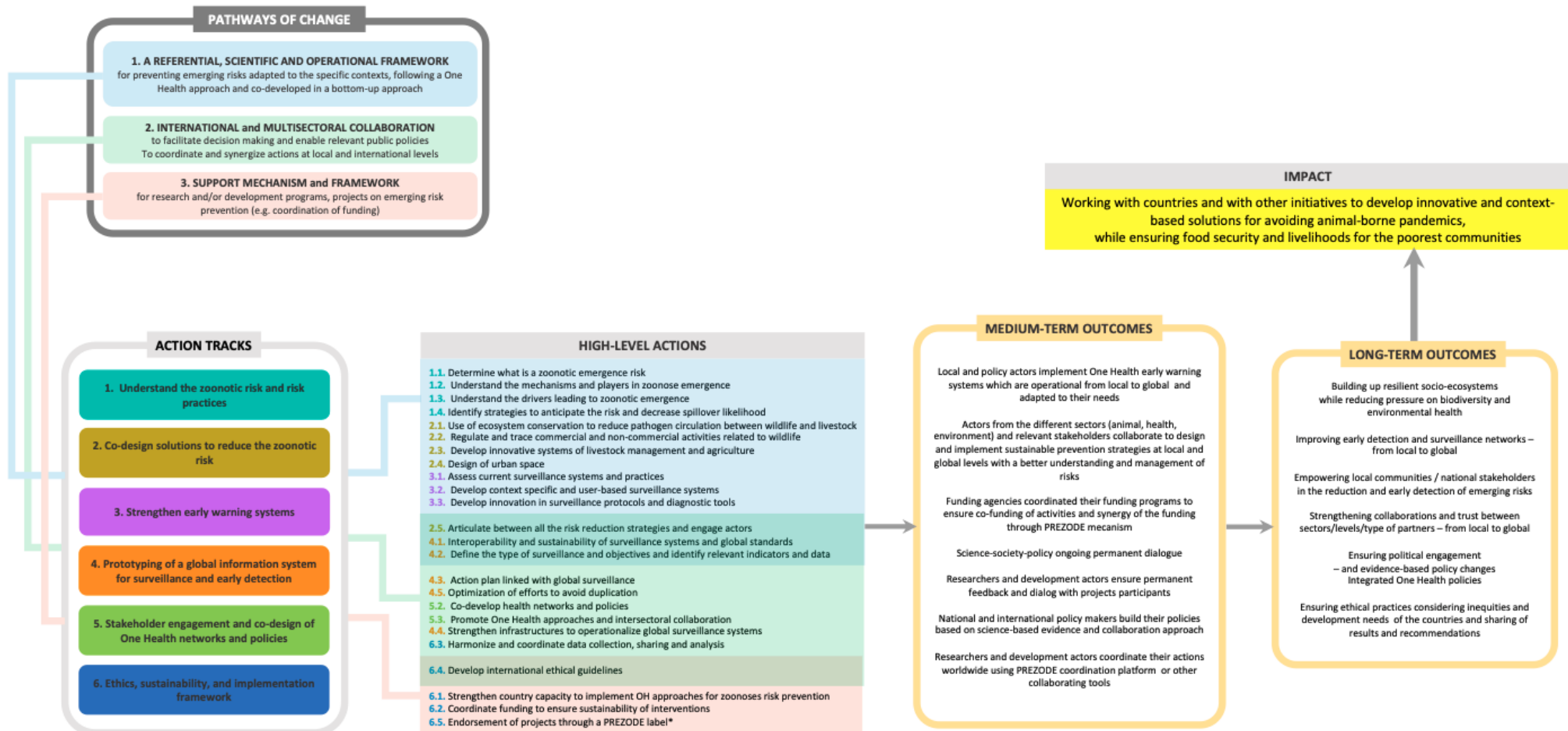


Figure 8. PREZODE initiative global impact pathway adapted from the OH-JPA impact pathway

In 2022:

- Setting up the governance for the initiative (incl. international secretariat)
- **Members 1st General Assembly (11th October 2022)**
- Adopting the Strategic Agenda co-designed with all
- Launching the first operational programs
 - Including OH community and user based participatory systems in Cambodia, Guinea, Madagascar, Senegal, Vietnam, Zimbabwe ...



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People matter in animal disease surveillance Challenges and opportunities for the aquaculture sector



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Preventing zoonotic
disease emergence

THANKS for YOUR ATTENTION

contact@prezode.org

JOIN the PREZODE ADVENTURE*

By signing the letter of intent which
highlights PREZODE values

Prevention & Bottom up solutions

<https://prezode.org>