



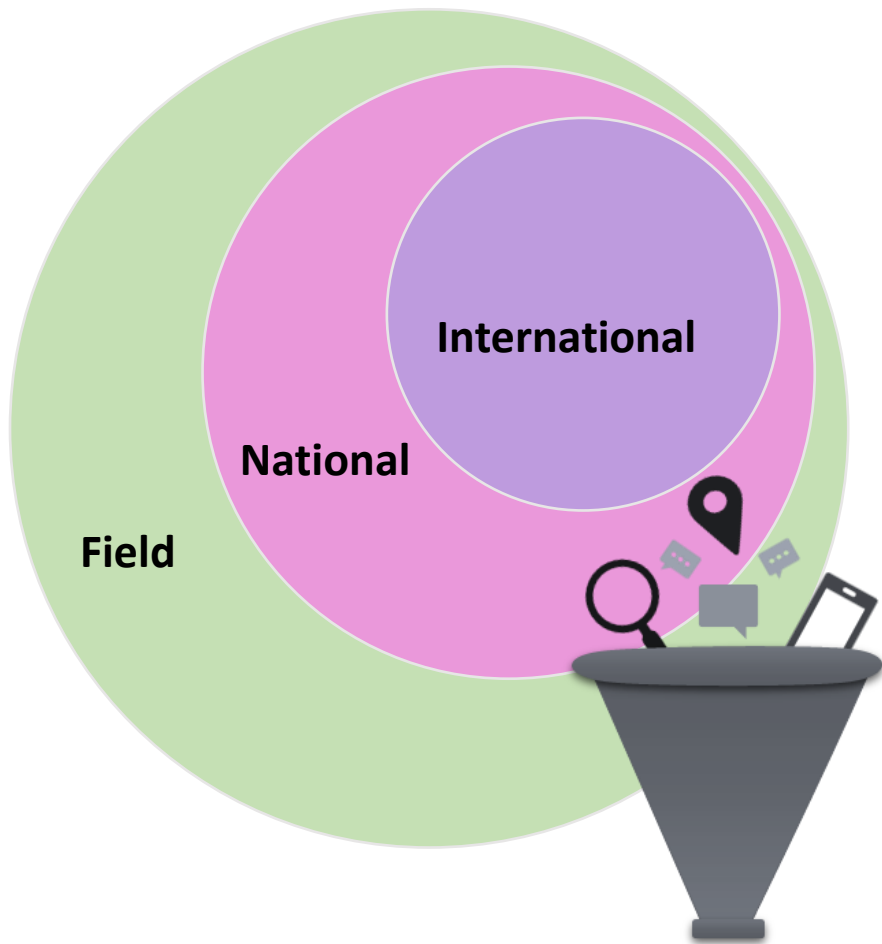
# Rabies Under the Radar: The Power of Data and Reporting

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# Strong and reliable data are your assets for decision making

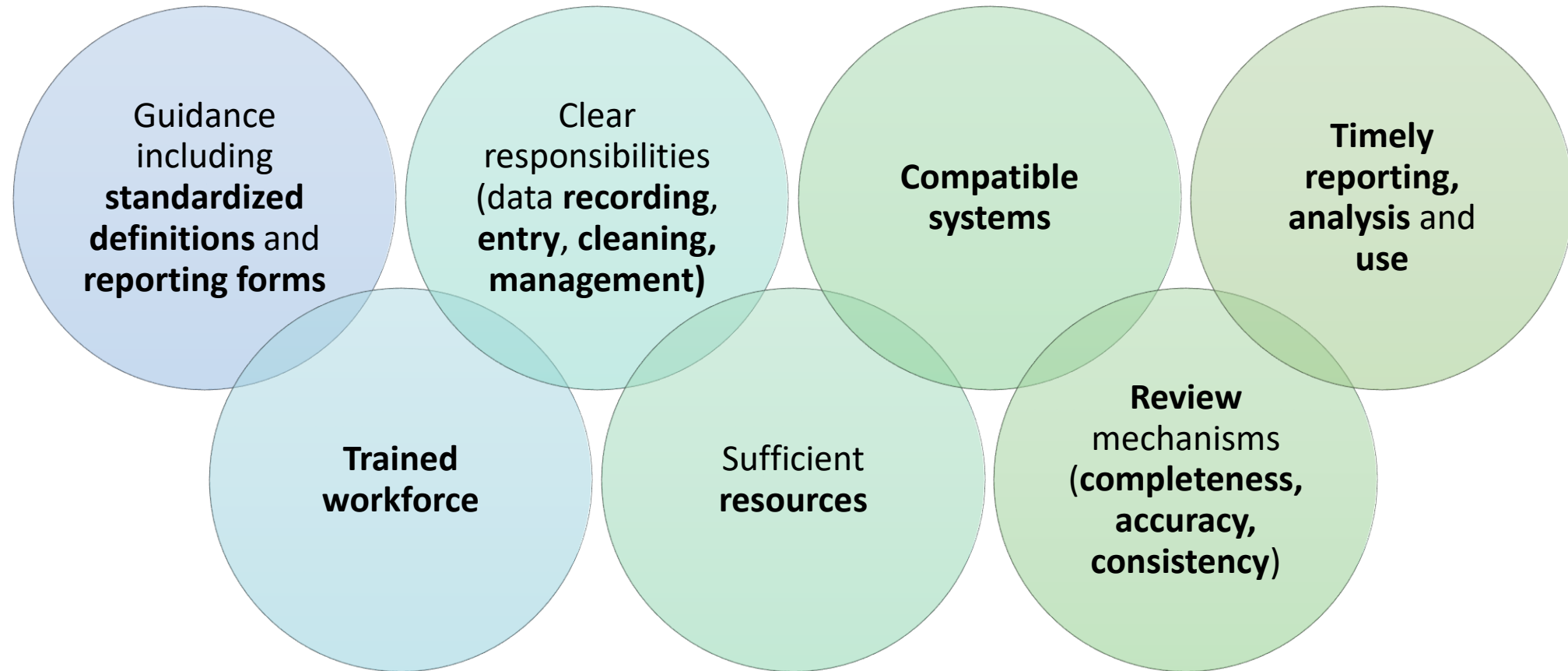
But surveillance / data quality often is poor → Problems to...



- estimate the real burden of rabies
- understand epidemiology and dog population dynamics
- use resources in a targeted way
- design programmes, monitor & evaluate
- obtain political and financial commitment and community buy-in
- validate your success
- measure the progress towards Zero by 30

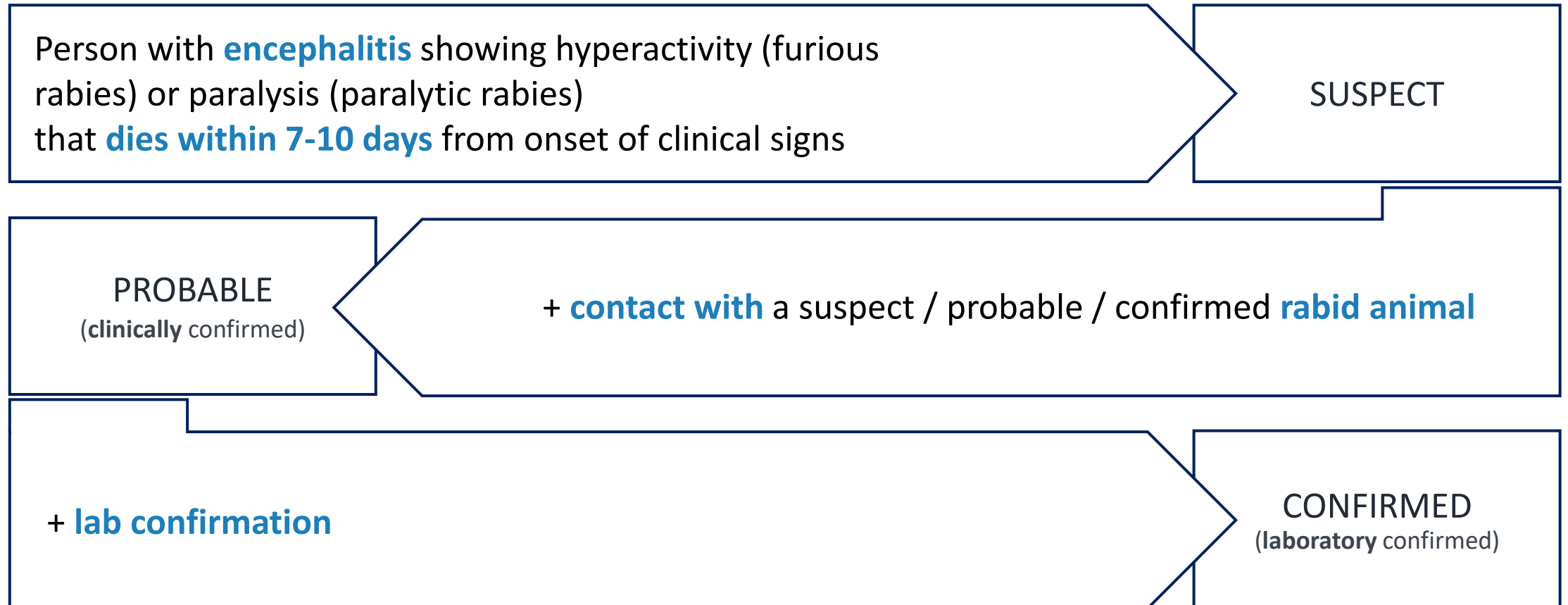
# Ensuring good quality of data is crucial for making decisions

Surveillance and data underpin all aspects of rabies control programmes



Laboratories play a crucial role in identifying rabies cases and providing evidence for decision-making.

## Data collection and reporting ground on precise human case definitions...



✗ **NOT A CASE:**

Suspect / probable case ruled out by lab tests  
OR  
No animal contact in the past 6 months

## ... and animal case definitions

Animal with **any of the following signs:**

hypersalivation, paralysis, lethargy, unprovoked abnormal aggression,  
abnormal vocalization, diurnal activity of nocturnal species

SUSPECT

## ... and animal case definitions

Animal with **any of the following signs**:

hypersalivation, paralysis, lethargy, unprovoked abnormal aggression, abnormal vocalization, diurnal activity of nocturnal species

SUSPECT

A



**A**ggression  
(unprovoked and  
abnormal (e.g. biting  
two or more people,  
animals or objects))

L



**L**ethargy

P



**P**aralysis

H



**H**ypersalivation

A

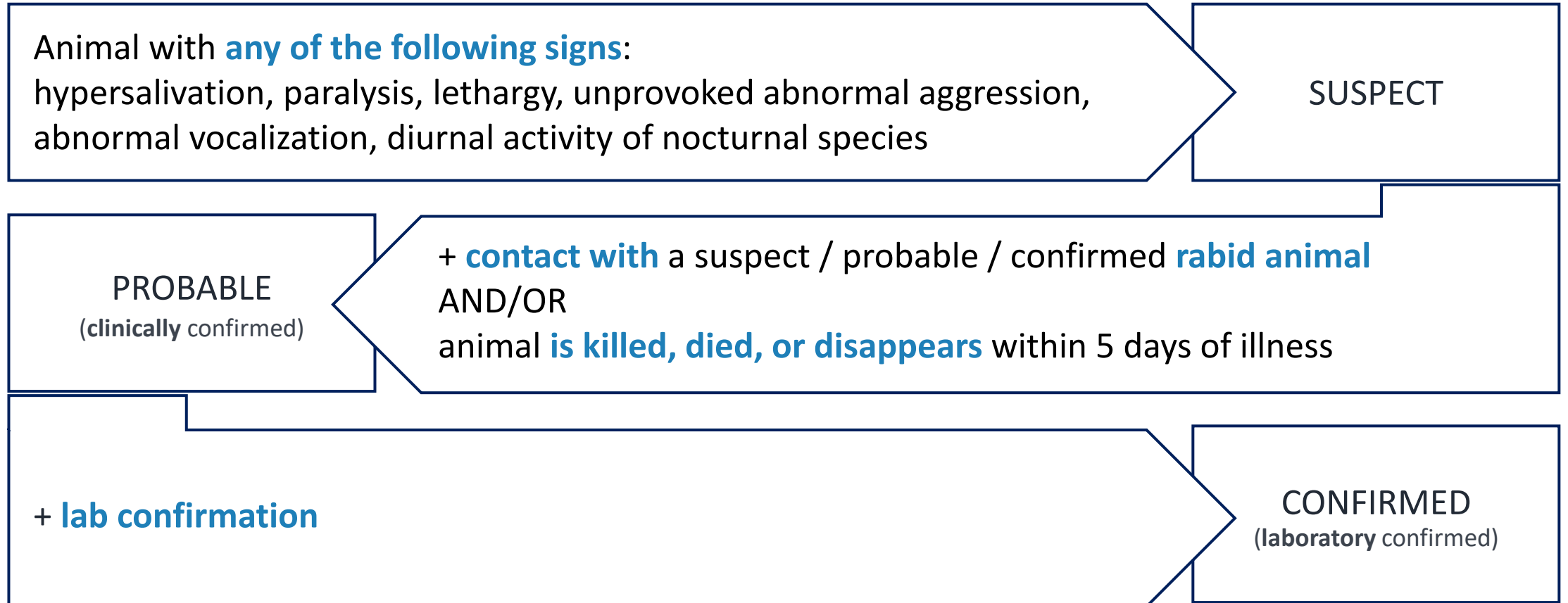


**A**bnormal  
vocalisation



[A master of deception - the signs of rabies in dogs](#)

## ... and animal case definitions



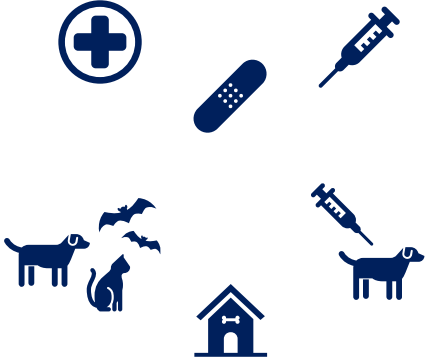
**NOT A CASE:**

Suspect / probable case ruled out by lab tests

OR

Survival after a 10 day-observation (for dogs, cats and ferrets)

## To support standard reporting, WHO defined minimum data

				
ANIMAL	# Dog rabies cases	# Rabies cases in other animals	Dog population	Dog vaccination coverage
HUMAN	# Human rabies cases	# Animal exposures	# People receiving PEP	
	<ul style="list-style-type: none"> <li>Type of diagnosis</li> </ul>	<ul style="list-style-type: none"> <li>Gender</li> <li>Age</li> <li>Transmission</li> <li>Type of diagnosis</li> </ul>	<ul style="list-style-type: none"> <li>Gender</li> <li>Age</li> <li>Biting animal</li> <li>Wound category</li> </ul>	<ul style="list-style-type: none"> <li>Gender</li> <li>Age</li> <li>Wound category</li> </ul>



# Importance of laboratory confirmation of rabies cases



**Confirm suspected and probable cases** (especially paralytic cases or when exposure was a long time ago)



**Risk-based approach for PEP** decisions to optimally use **resources** and ensure **availability** of rabies biologicals



Building **trust** with communities and **increase PEP uptake**



Identification and classification of **Rabies Virus Variants**



Determine burden, true presence or absence of rabies, and **confirm rabies free areas**



**Validate elimination** efforts officially



It is important to use standard diagnostic tests as recommended by WHO or WOAHP terrestrial manual. **Currently, no PEP decisions should be made based on rapid diagnostic tests (lateral flow devices) in animals.**



Laboratory techniques in rabies, [volume 1](#) & [volume 2](#)

# Ready, Set, Diagnose!

- Get Hands-On
- Ask questions and be curious
- Build Capacity
- Connect
- Have fun

