



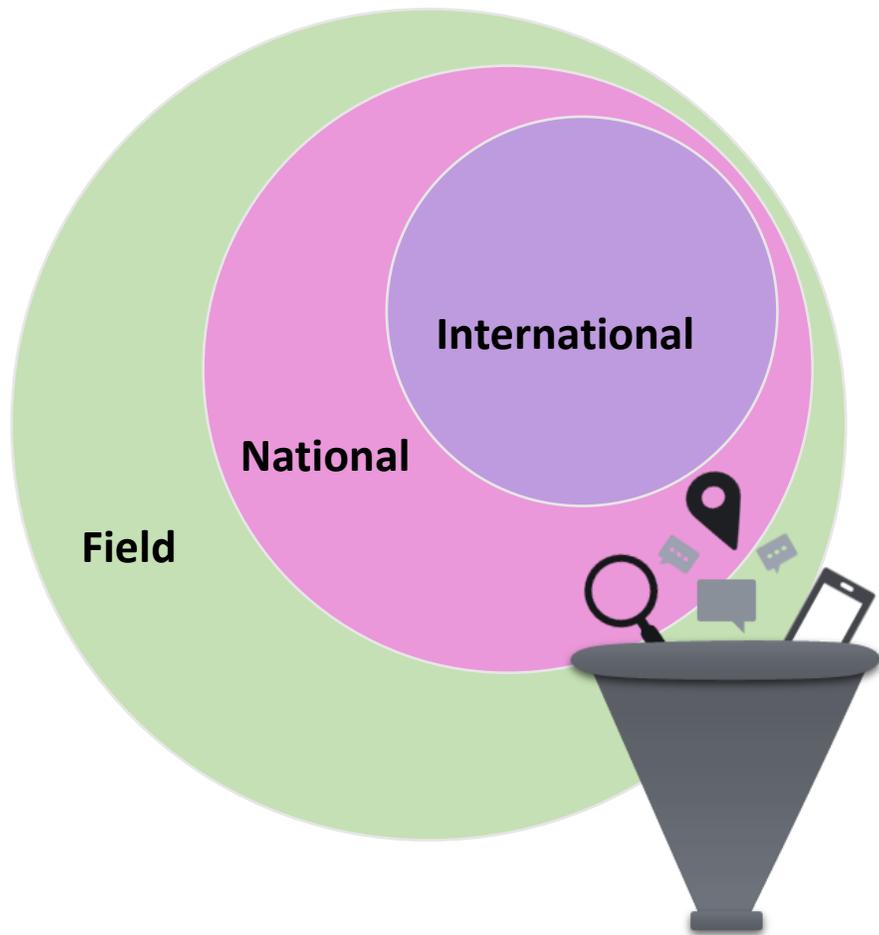
Rabies Under the Radar: The Power of Data and Reporting

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Strong and reliable data are your assets for decision making

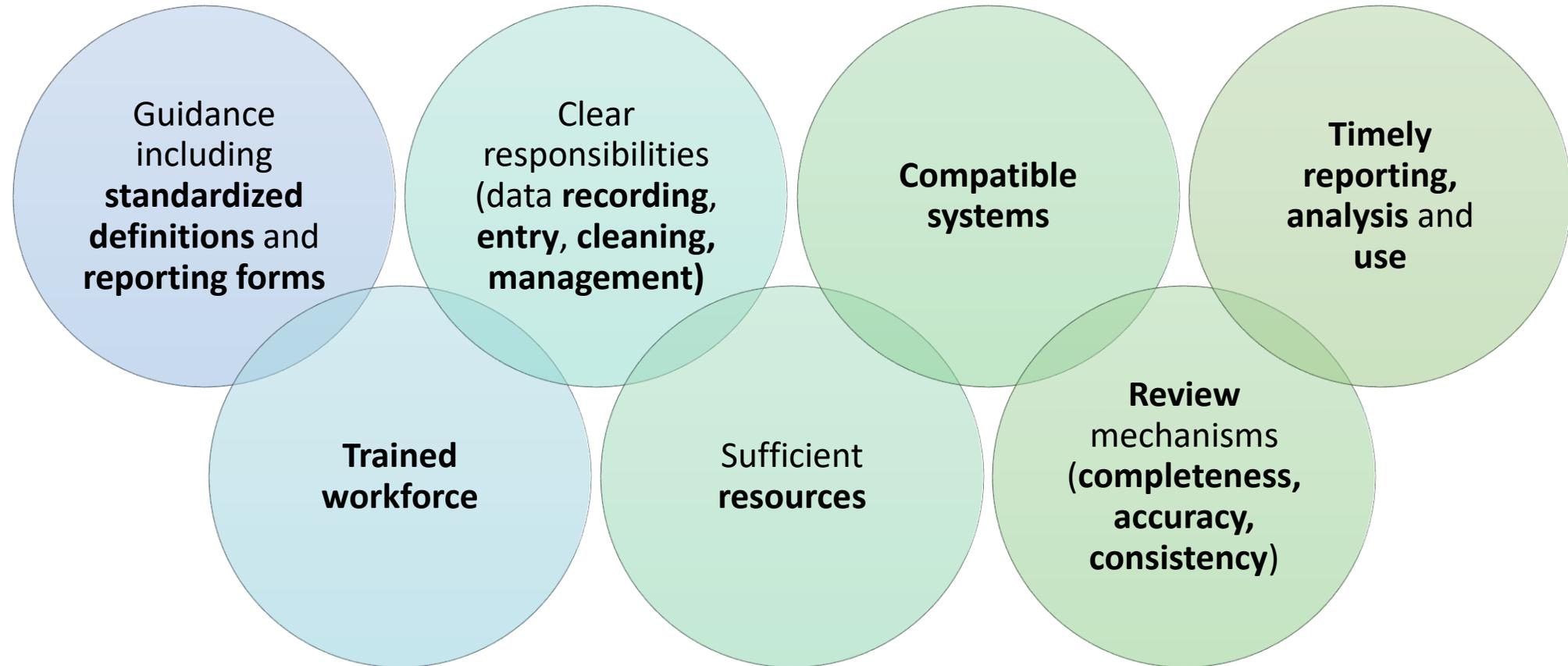
But surveillance / data quality often is poor → Problems to...



- 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

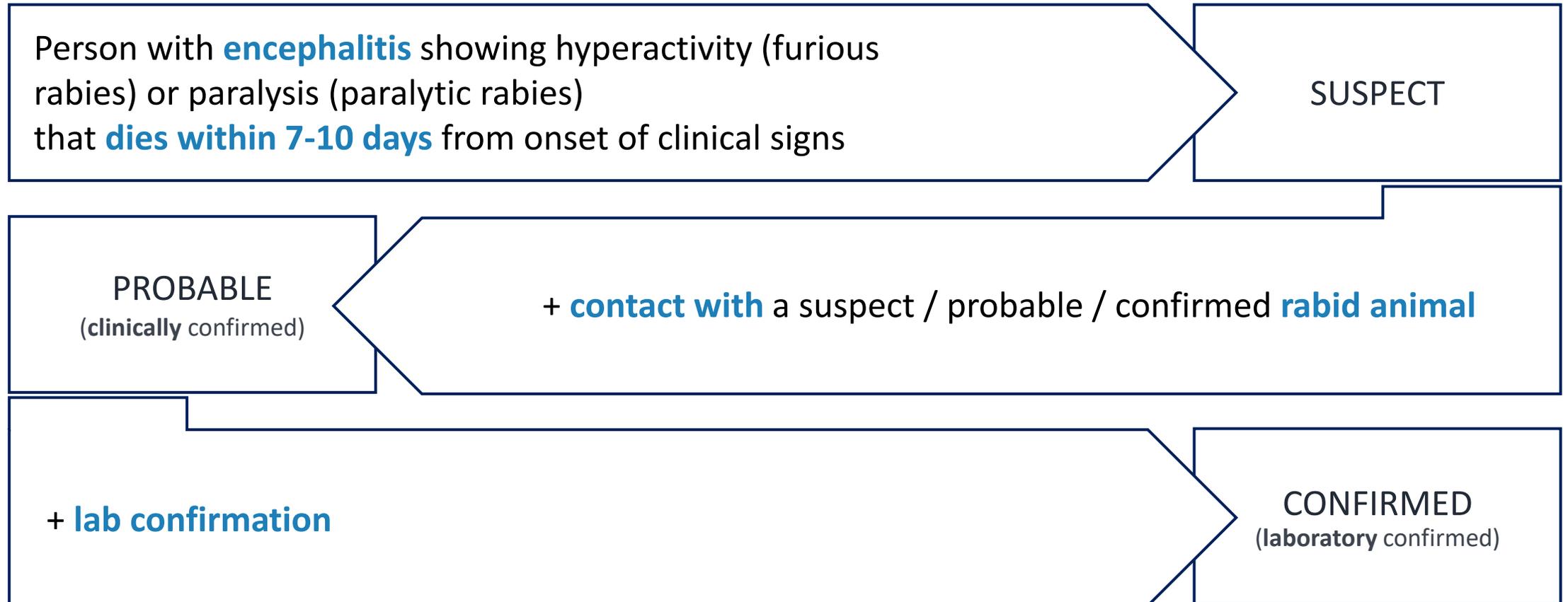
Ensuring good quality of data is crucial for making decisions

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



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

L



Lethargy

P



Paralysis

H



Hypersalivation

A

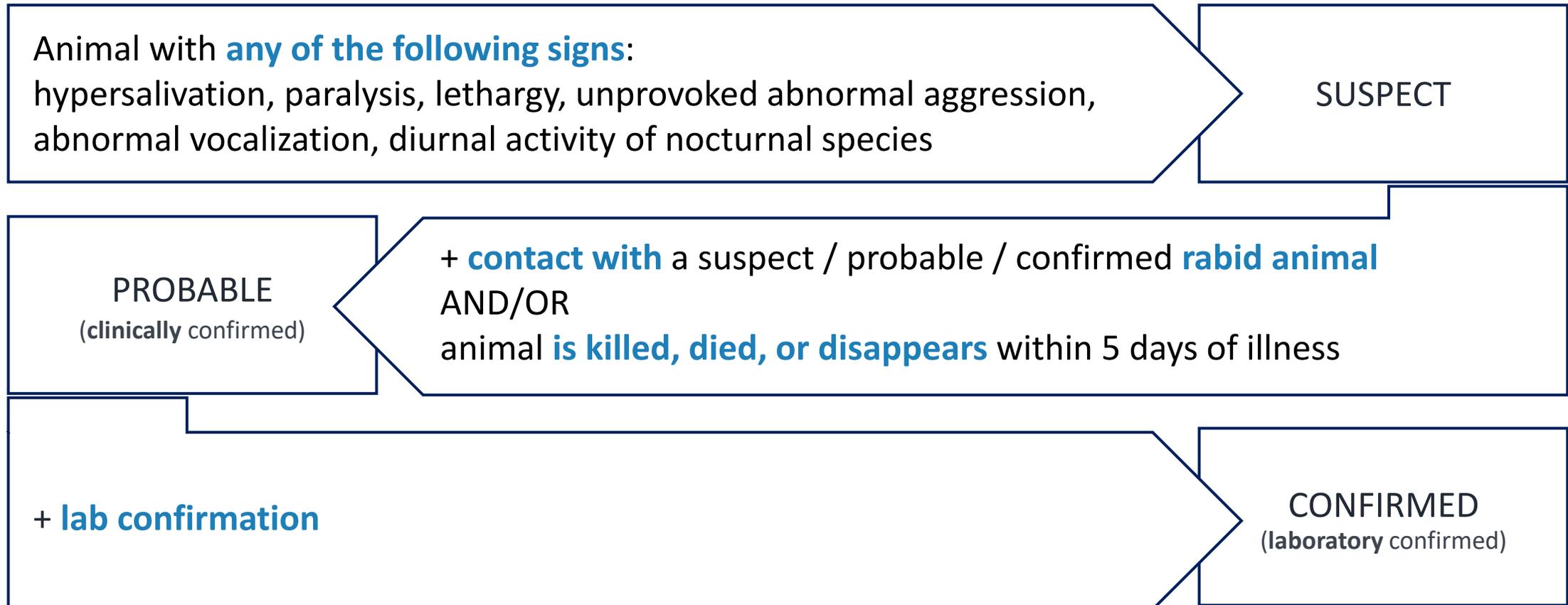


Abnormal
vocalisation



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

... and animal case definitions



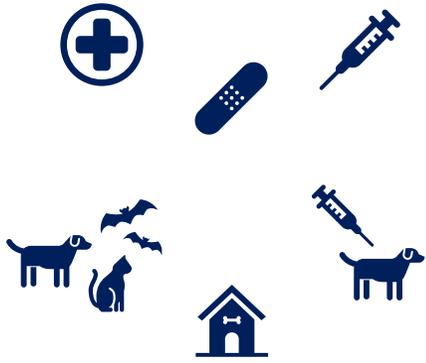
NOT A CASE:

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



HUMAN	<h3># Human rabies cases</h3> <ul style="list-style-type: none"> • Gender • Age • Transmission • Type of diagnosis 	<h3># Animal exposures</h3> <ul style="list-style-type: none"> • Gender • Age • Biting animal • Wound category 	<h3># People receiving PEP</h3> <ul style="list-style-type: none"> • Gender • Age • Wound category 	
	ANIMAL	<h3># Dog rabies cases</h3> <ul style="list-style-type: none"> • Type of diagnosis 	<h3># Rabies cases in other animals</h3> <ul style="list-style-type: none"> • Species • Type of diagnosis 	<h3>Dog population</h3> <ul style="list-style-type: none"> • Ownership status

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 WOAHA 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

