

LINKING COUNTRY REPORTING TO THE GLOBAL LEVEL

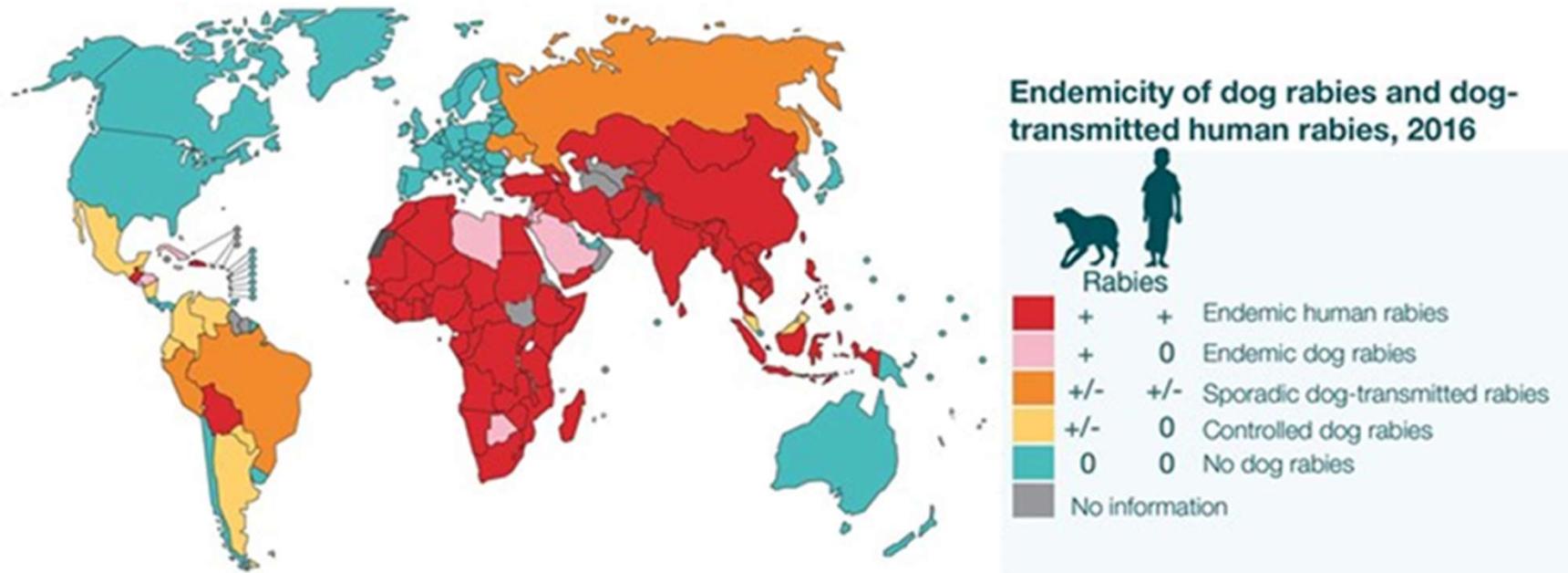
Driving progress towards rabies elimination

Johannesburg, 12-14 September 2018

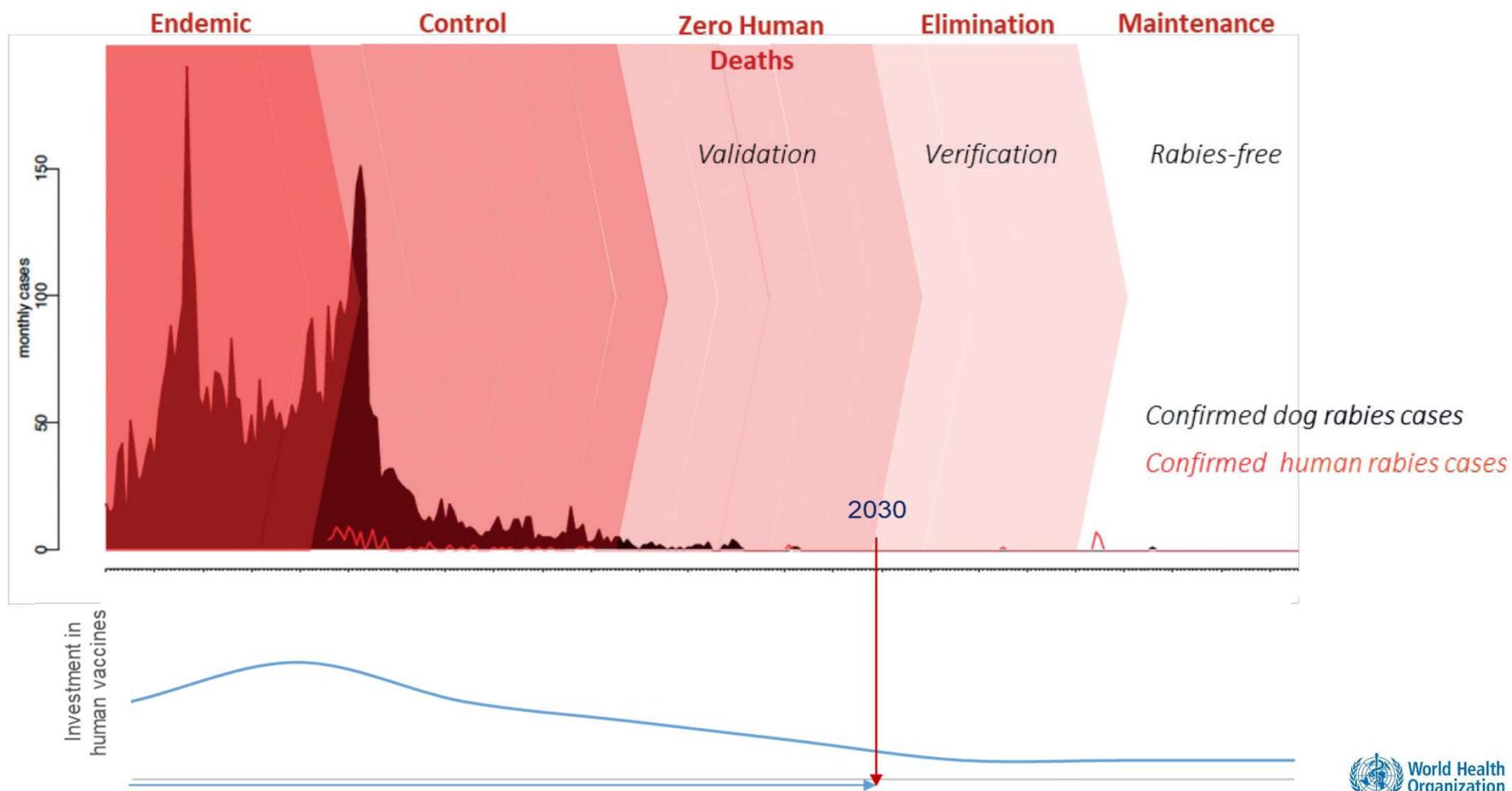
L.Knopf, B.Abel-Ridder
Neglected Zoonotic Diseases
Department of the Control of NTDs
WHO Headquarters, Switzerland



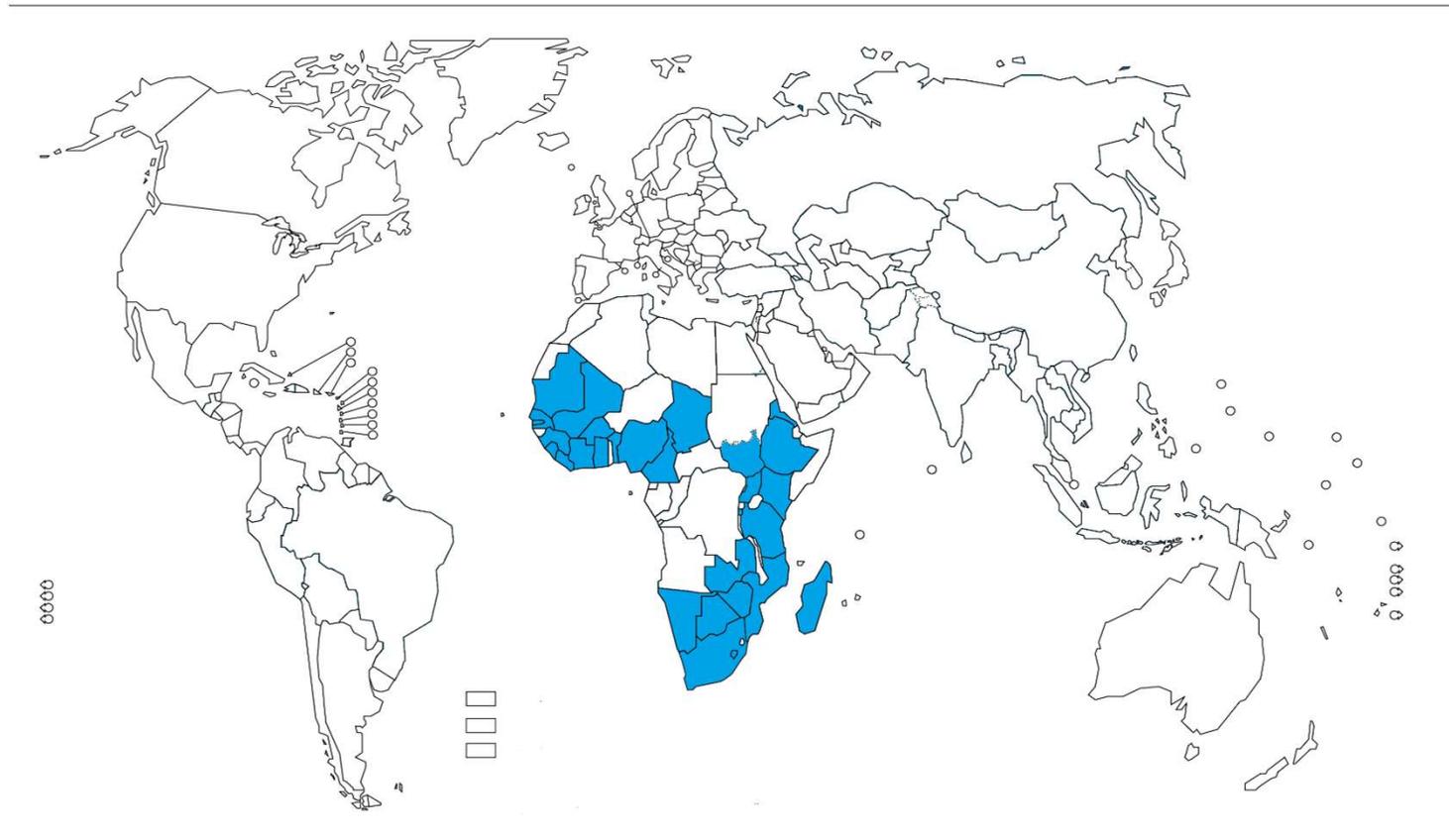
Data informs programmes and builds Advocacy!



Rabies data is key to measure progress 'Zero by 30'



JEE mission reports with rabies

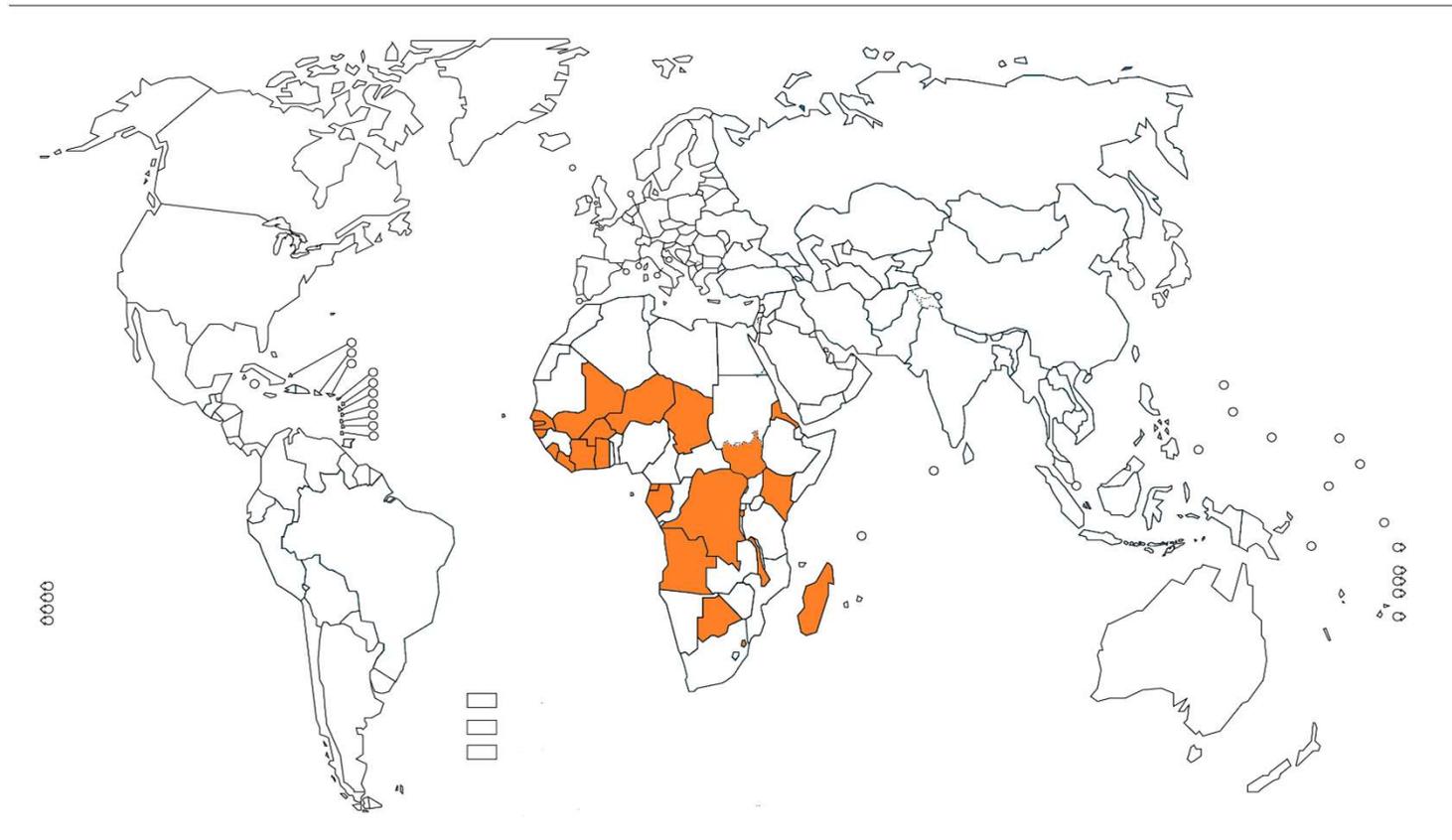


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Data Source: World Health Organization
Map Production: Control of Neglected
Tropical Diseases (NTD)
World Health Organization



NTD master plan

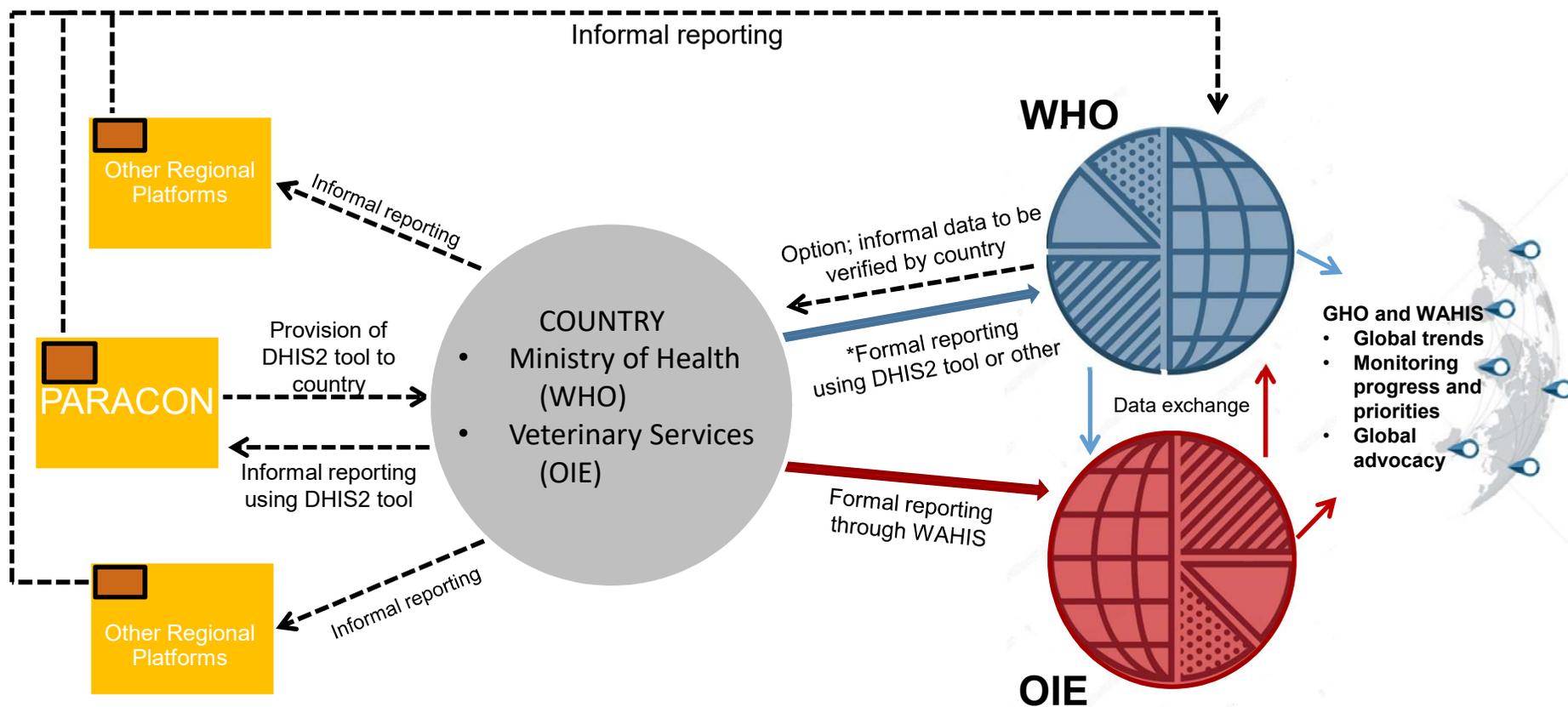


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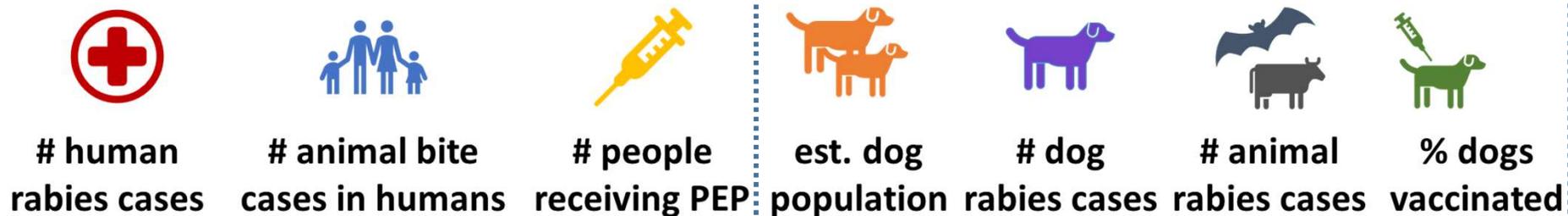
Reporting of Data to WHO and OIE



*WHO is developing a platform that will allow countries to automatically upload aggregate national data on an annual basis.

Global Health Observatory (GHO): <http://www.who.int/gho/en/>

The World Animal Health Information System (WAHIS): http://www.oie.int/wahis_2/public/wahid.php/Wahidhome/Home



RABIES INDICATORS

in humans and animals



Number of human rabies cases reported

total number, clinical or lab diagnosis (count)

Disaggregation:

- Gender (male, female, unknown)
- Age in years (<5, 5-14, ≥15, unknown)
- Source of exposure (dog, other animal, bat, unknown)
- Diagnosis (clinical, laboratory, unknown)



Number of animal bite cases reported

humans bitten by warm-blooded animals (count)

Disaggregation:

- Gender (male, female, unknown)
- Age in years (<5, 5-14, ≥15, unknown)
- Animal species (dog, cat, bat, wildlife, livestock, unknown)
- WHO wound category (I, II, III, unknown)



Number of people who receive PEP

PEP involves wound care and ≥ 1 dose of vaccine (count)

Disaggregation:

- Gender (male, female, unknown)
- Age in years (<5, 5-14, ≥ 15 , unknown)
- WHO wound category (II, III, unknown)

Limitation:

patients who attend different health facilities (double count)



Number of dog rabies cases reported

total number, clinical or lab diagnosis (count)

Disaggregation:

- Diagnosis (clinical, laboratory, unknown)



Number of rabies cases reported in animals other than dogs

total number, clinical or laboratory diagnosis (count)

Disaggregation:

- Animal species (cat, bat, wildlife, livestock, unknown)
- Diagnosis (clinical, laboratory, unknown)



Estimated dog population

evidence-based estimate of (national) dog population; or a proxy is the human:dog ratio if known (count)

Disaggregation:

- Ownership status (owned, unowned, unknown)



% of dogs that received rabies vaccine

evidence-based estimate of dog vaccination coverage in the country (percentage)

Disaggregation:

- Ownership status (owned, unowned, unknown)



HOW TO REPORT DATA

Linking country reporting to the global level

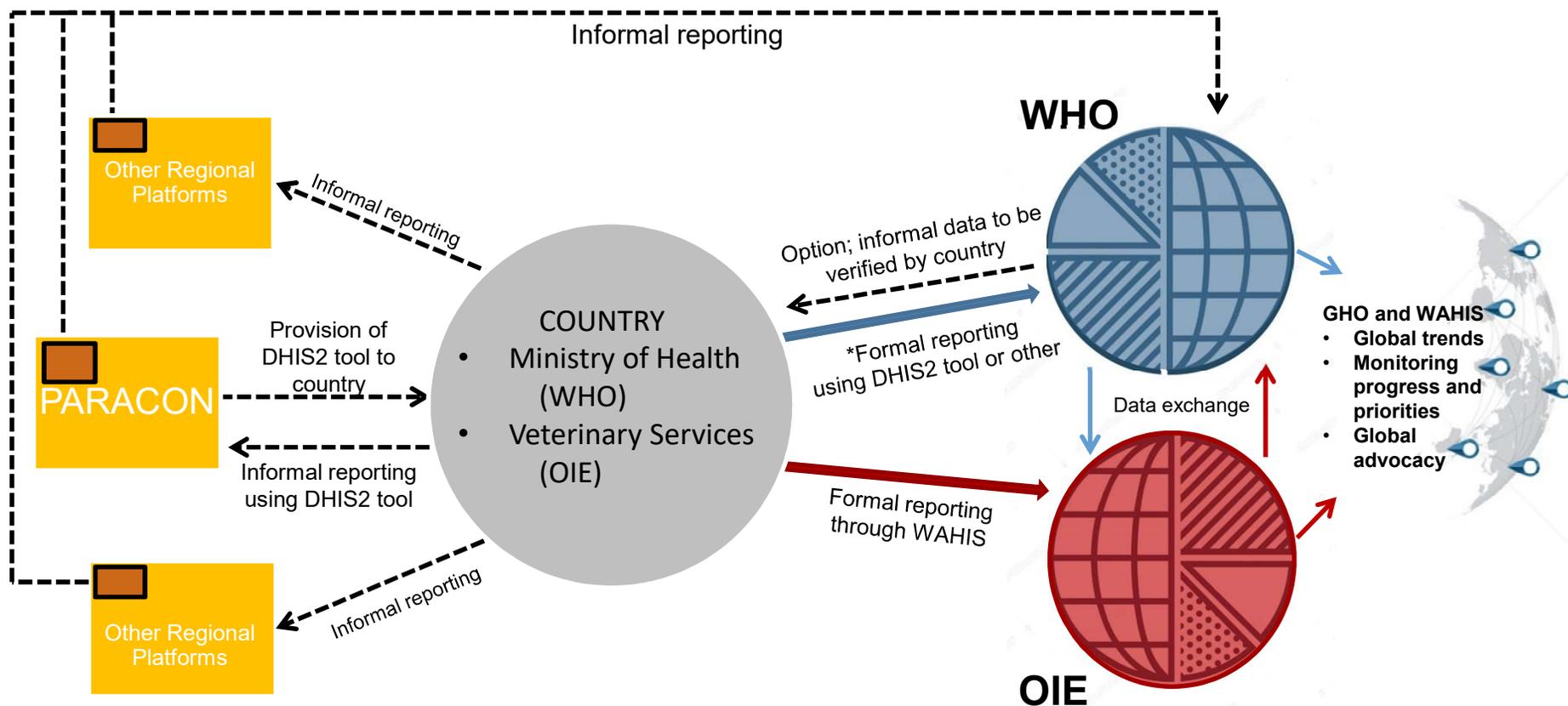
Rabies data collection and reporting

Frequency: yearly (end March)

1. **Identify** and share national focal point responsible for rabies data collection
2. A log-in will be provided
3. **Collate** national annual data on key indicators
4. **Validate** rabies data through rabies focal point at MoH
5. **Submit data** to WHO-HQ



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Data entry: Using Excel

Human rabies

COUNTRY(Code):
 Country subdivision (if applicable):
 FOCAL POINT (MoH, further; please indicate) :

| Human Rabies | | | | | | | |
|--------------|--------------------------|----------------------|----------|--------------|-----------------------------------|------------------------|--|
| Year | Human rabies | Bite cases in humans | | | Post-exposure prophylaxis (PEP)** | | |
| | # of human rabies cases* | # of dog bites | | | # of bites by other animals † | # people receiving PEP | # people receiving RIG additional to PEP |
| | | Cat. II | Cat. III | Cat. unknown | | | |
| 2016 | | | | | | | |
| 2015 | | | | | | | |
| 2014 | | | | | | | |

Animal rabies

| Animal Rabies | | | | Remarks |
|---------------------------|-------------------------------------|----------------------|----------------------|---------|
| Animal Rabies | | Dog population | | |
| # of rabies cases in dogs | # of rabies cases in other animals† | # of dogs in country | # of dogs vaccinated | |
| | | | | |
| | | | | |
| | | | | |

Data entry: using DHIS2



WHO InVet data platform

RABIES ANNUAL REPORT

HUMAN RABIES ANIMAL RABIES COMMENTS AND REFERENCES

ANIMAL RABIES REPORTING

Dog population:

| Estimated dog population | Unowned | Owned | Unknown |
|--------------------------|---------|-------|---------|
| 175966 | | | 175966 |

Human : Dog Ratio

| Human | : | Dog |
|-------|---|-----|
| | : | |

Dog vaccination coverage:

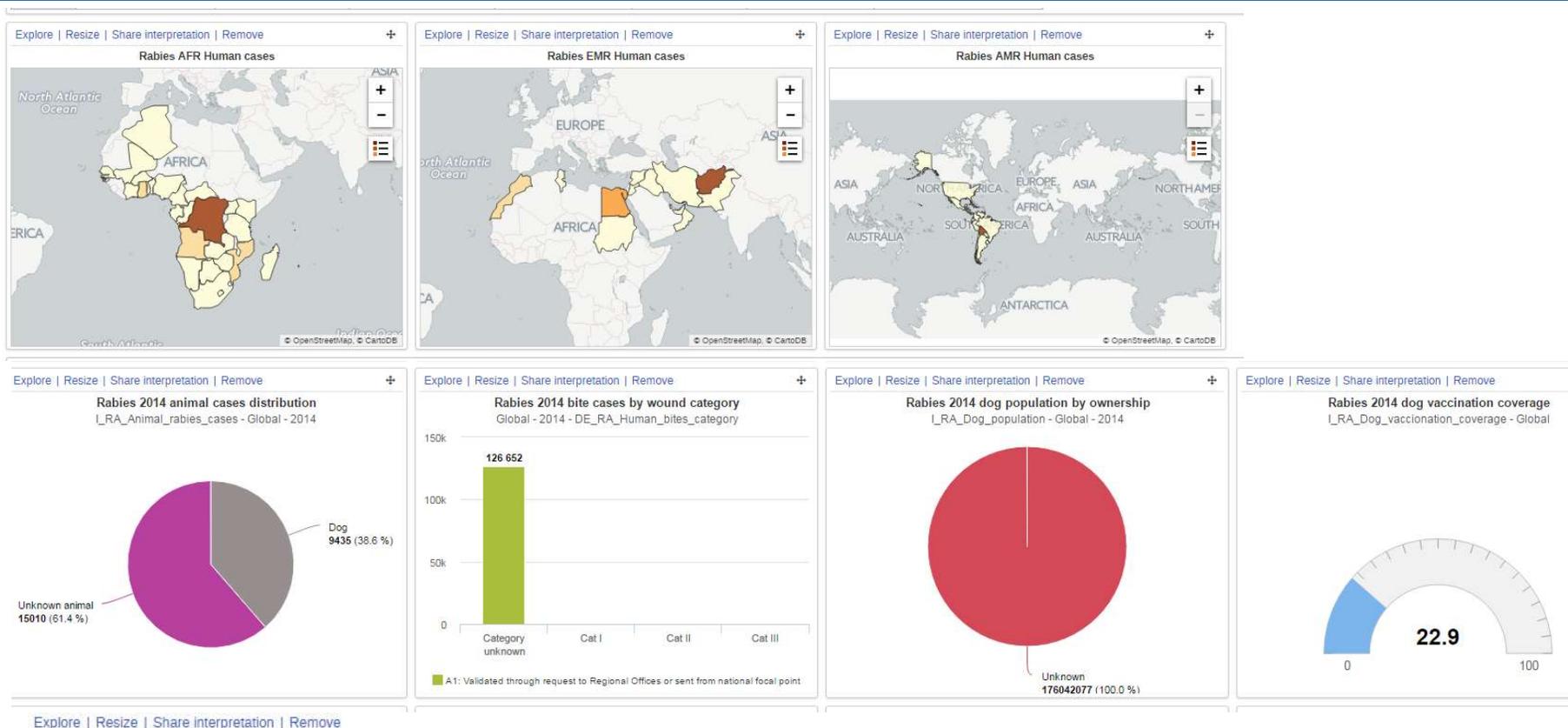
| Number of dogs vaccinated against rabies | Unowned | Owned | Unknown |
|--|---------|-------|---------|
| 39635 | 3745 | 35890 | |

Rabies cases reported in animals:

| Number of Rabies cases, by animal and diagnosis type | Dog | Cat | Bat | Livestock | Wildlife | Unknown Animal |
|--|-----|-----|-----|-----------|----------|----------------|
| 421 | | | | | | |
| Clinically diagnosed | 348 | 7 | | 15 | | 44 |
| Lab diagnosed | 5 | | | 2 | | |
| Unknown diagnosis | | | | | | |

WHO Integrated Data Platform

How it looks like!

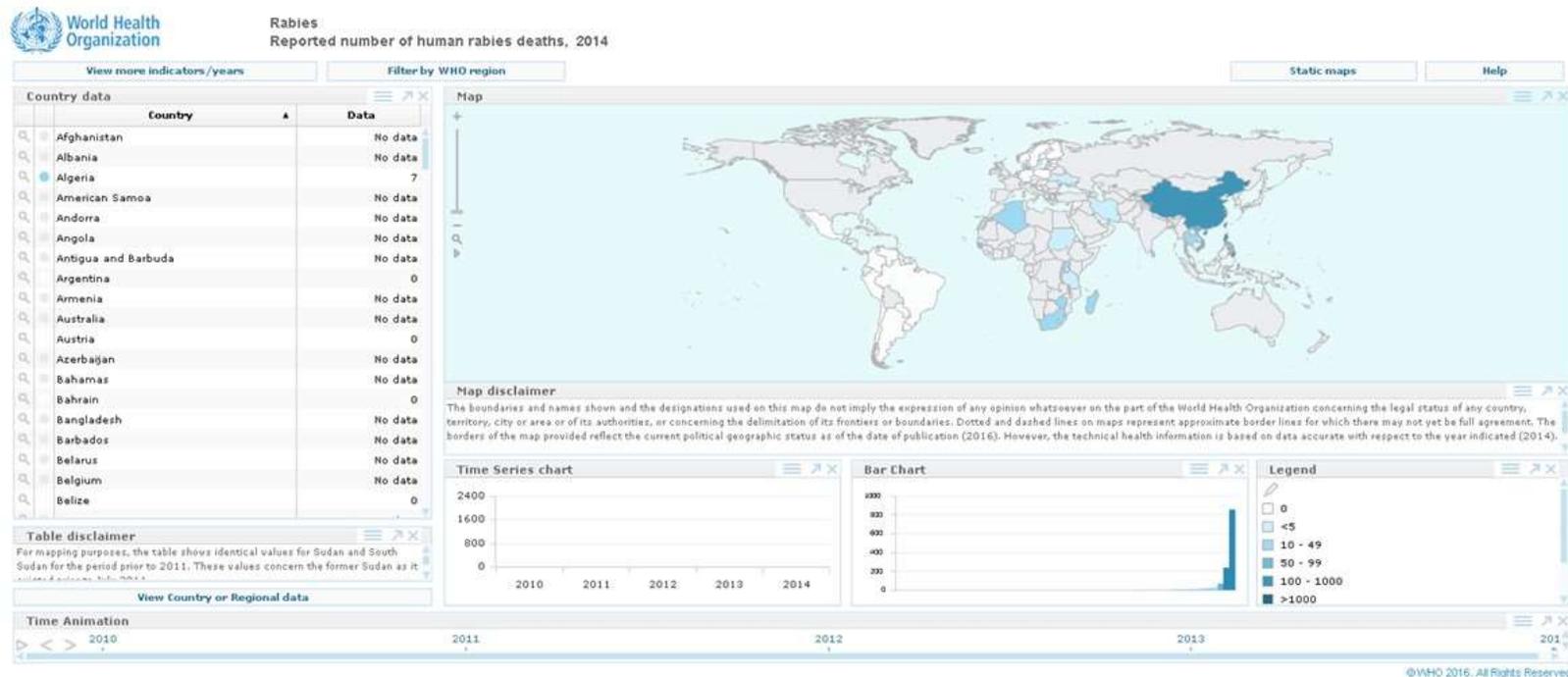


Rabies main indicators - A1

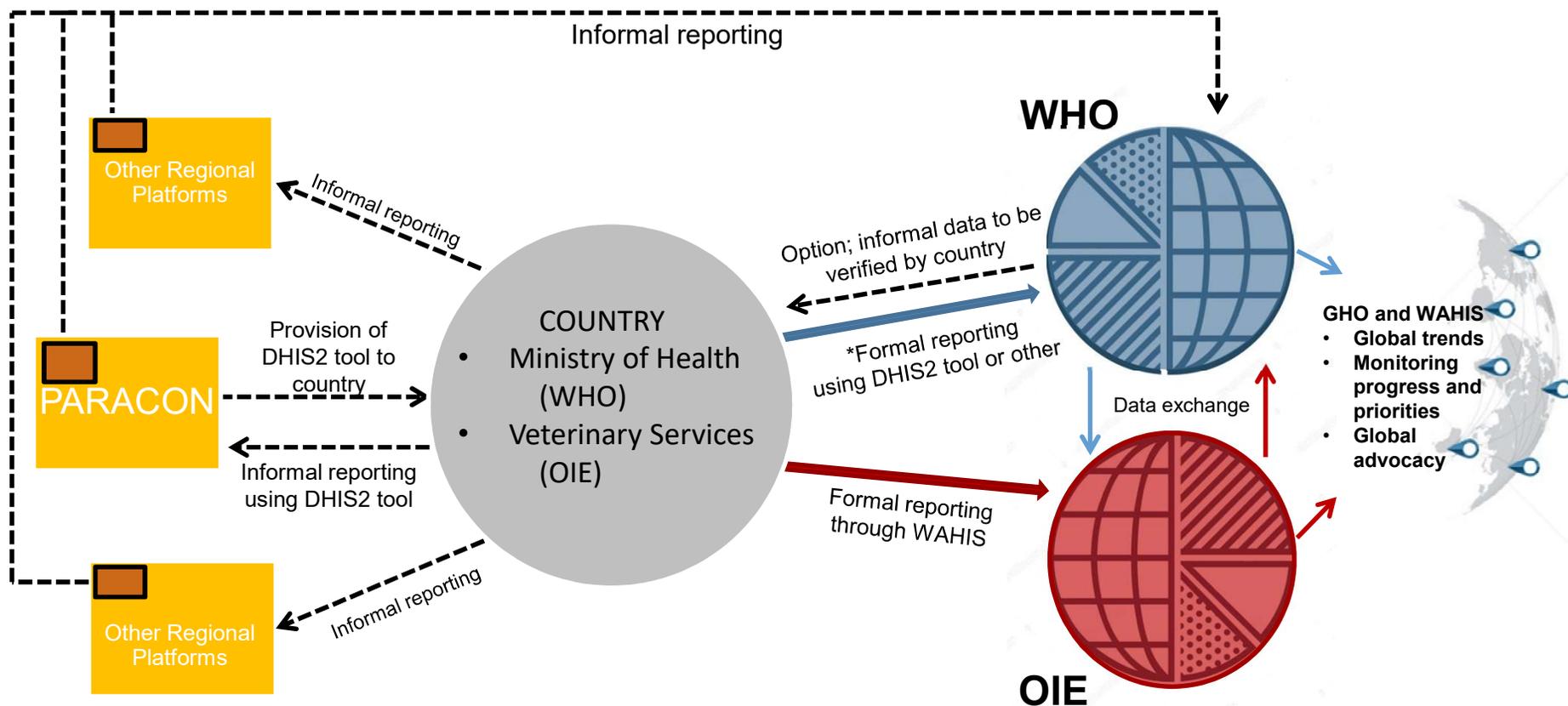
| Global - A1: Validated through request to Regional Offices or sent from national focal point | | | | | | | |
|--|-------------------------|-------------------------|---------------------------|--------------------------|---------------------|-----------------------|-------------------------------|
| Period / Data | I_RA_Human_rabies_cases | I_RA_Human_rabies_bites | I_RA_People_receiving_PEP | I_RA_Animal_rabies_cases | I_RA_Dog_population | DE_RA_Dog_vaccination | I_RA_Dog_vaccination_coverage |
| 2007 | 17 | 0 | 0 | 0 | 0 | 0 | |
| 2008 | 22 | 0 | 0 | 0 | 0 | 0 | |
| 2009 | 2 159 | 112 245 | 127 381 | 62 | 0 | 69 438 | |
| 2010 | 2 077 | 96 920 | 122 498 | 188 | 0 | 292 937 | |
| 2011 | 1 917 | 109 432 | 134 523 | 251 | 0 | 338 987 | |
| 2012 | 1 410 | 121 634 | 150 478 | 284 | 0 | 338 045 | |

Current stage, planned steps:

- **Harmonized** key indicators to avoid duplication
- **Interface** with other reporting platforms – automatic transfer (OIE-WAHIS, Global Health Observatory, SIRVERA, etc)
- **Launch** of the Rabies Module of the WHO Integrated Data Platform



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