

RECOMSA rabies communication seminar

4-5 November 2015, Tunis (Tunisia)

# DOG-MEDIATED RABIES ELIMINATION

AN INTERNATIONAL AND REGIONAL PRIORITY



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# Elimination of Rabies

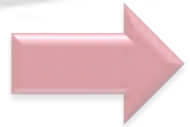


# Rabies: a 100% preventable zoonosis



- Every 10 minutes someone dies from Rabies
- Every year, rabies kills nearly 70 000 people, mostly children
- Over 95% of human cases are caused by the bite of a rabies-infected dog.

# “One Health” Concept



A global strategy for managing risks at the **Animal – Human - Ecosystems** interface



Food and Agriculture  
Organization of the  
United Nations



World Health  
Organization

**Tripartite agreement of 3 Directors General**

**3 Priorities**



**Zoonotic influenzas**

⇒ OFFLU, OIE/FAO  
expertise network on  
animal influenza

**Antimicrobial  
resistance**

⇒ OIE closely participated  
to the elaboration of the  
WHO Global Action plan

**Rabies**  
Global control of canine  
rabies

⇒ Next WHO-OIE  
Global conference in  
*Dec. 2015*

# What is the OIE?

- An **intergovernmental** organisation created in 1924 to **prevent the spread of animal diseases** throughout the world
- **180 Member Countries**
- **301** Centres of international expertise

1924

Creation of the *Office International des Epizooties (OIE)*

1945

Creation of the United Nations

2003

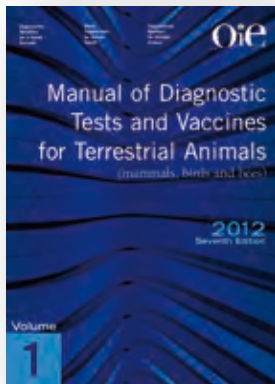
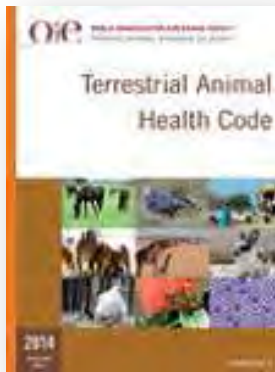
**New Name:**  
World Organisation for Animal Health (OIE)

# OIE STANDARDS ON RABIES

*Terrestrial Code and Manual*



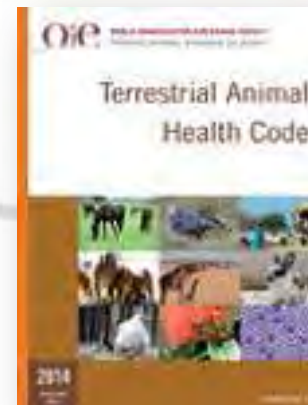
## Intergovernmental standards



**OIE Standards  
improve animal  
health and  
welfare  
and veterinary  
public health**

# OIE STANDARDS ON RABIES

## *Terrestrial Animal Health Code*



### ***Control rabies in dogs***

- Notifiable in country
- Effective surveillance

Chapter 1.1.

Chapter 1.4.

### ***Recommendation for importation***

- Certification

Chapter 5.11.

### ***Stray dog population control***

- Management stray dogs

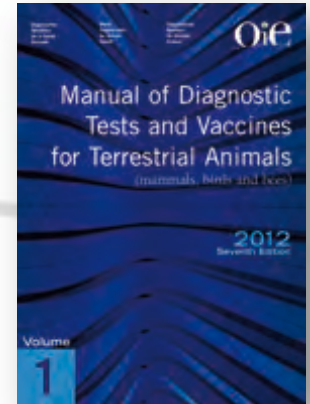
Chapter 7.7.

### ***Infection with rabies virus***

Chapter 8.13.

# OIE STANDARDS ON RABIES

## *Manual of Diagnostic Tests and Vaccines*



### Chapter 2.1.13. Rabies

#### *Quality standards:*

- Diagnostic techniques
  - Sampling and shipment
  - Test for the identification of the agent
  - Serological test
  
- Requirements for vaccines
  - Minimum standard scientific-based requirements
  - Supplemented by national and regional requirements
  - Parenteral vaccination (domestic)
  - Oral vaccines (wildlife)

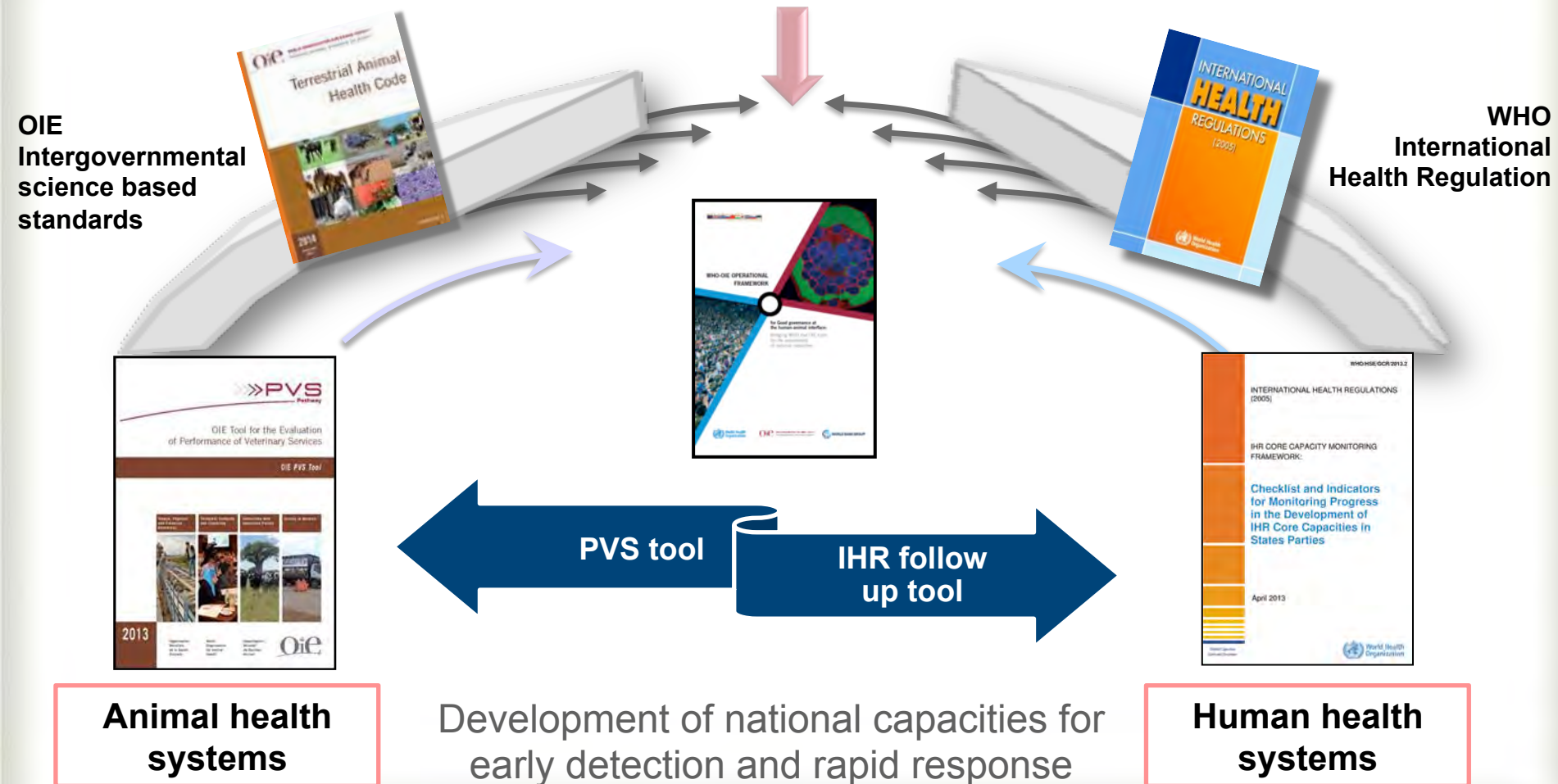


# How can these goals be achieved?

Intergovernmental regulations and standards



Collaboration between **WHO** and the **OIE** to provide countries with **facilitating tools** to build **synergies** and create bridges



# The four pillars of the OIE

Improving animal health and welfare worldwide



## Standards

of international trade of animals and animal products

*under the mandate given by the WTO*



## Transparency

of the world animal disease situation

*including zoonoses*



## Expertise

Collection and dissemination of veterinary scientific information

*animal disease prevention and control methods*



## Solidarity

between countries to strengthen capacities worldwide

*Capacity building tools and programmes*

# OIE Activities on Rabies



- Disease reporting through WAHIS and WAHIS Wild
- OIE Reference Centre Network
- Efforts to strengthen capacities at national level

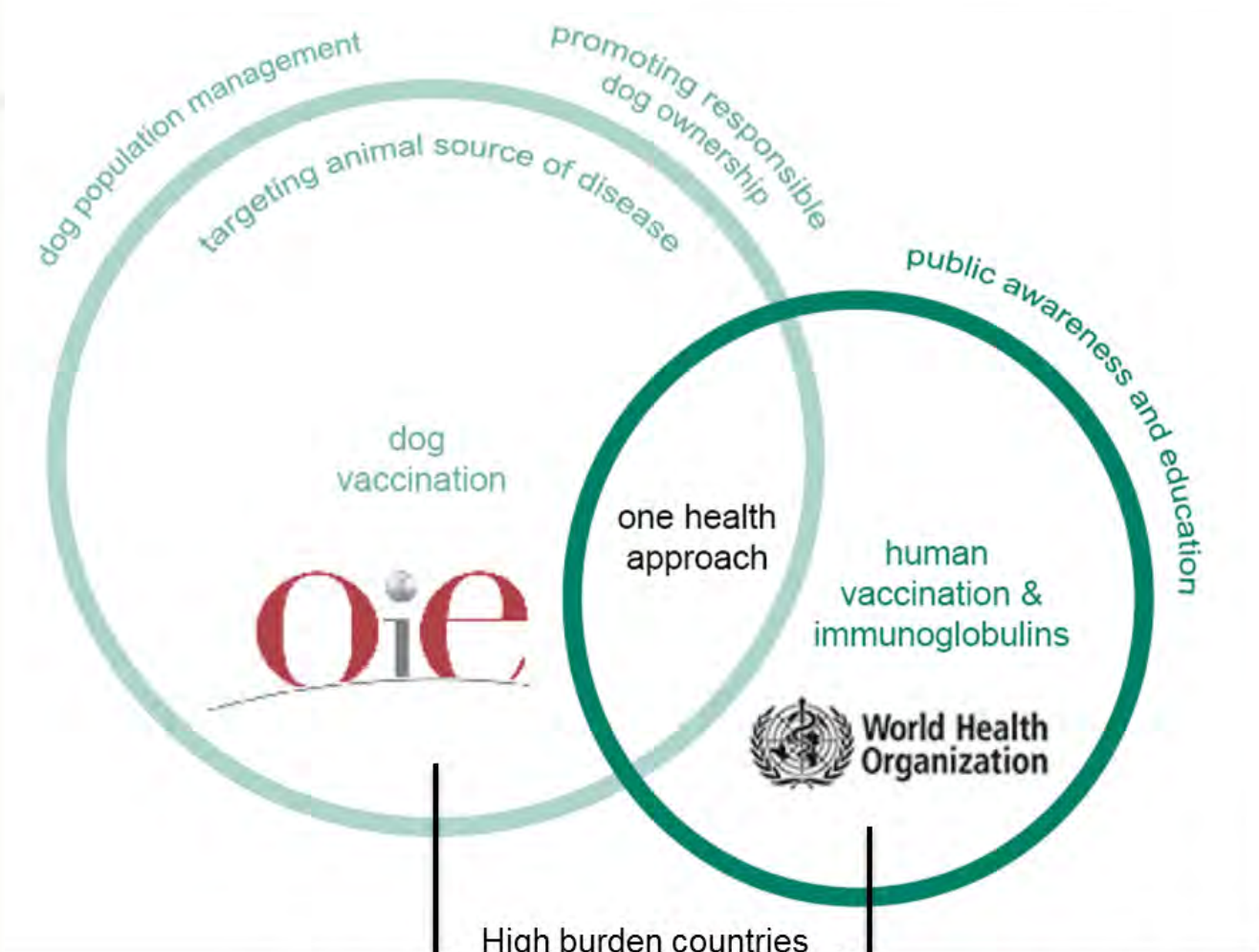
# Elimination of Rabies is feasible



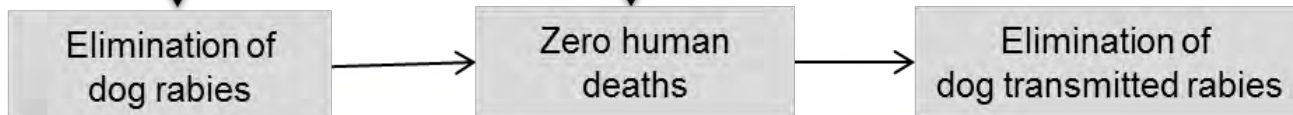
**Dog vaccination is the most cost-effective  
single intervention  
to protect humans  
from contracting dog-mediated rabies**



# Rabies: a 100% preventable zoonosis



**optimized supply  
& coordination  
=  
expedited  
achievement of  
ZERO deaths**



# International Players



GLOBAL ALLIANCE  
FOR RABIES CONTROL

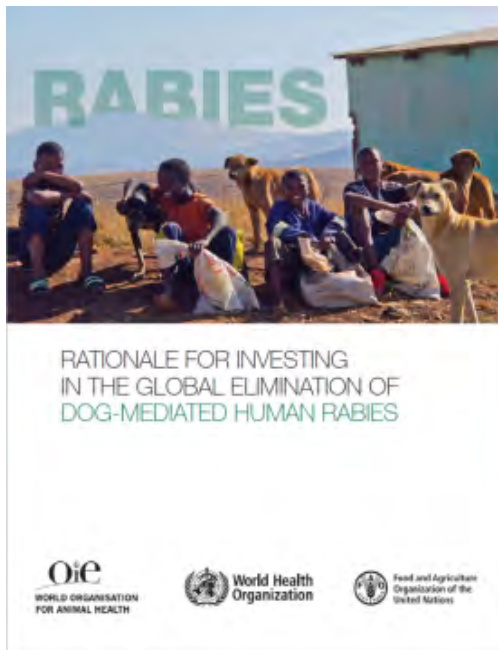


- Tripartite FAO/OIE/WHO
- Global Alliance for Rabies Control
- Partners for Rabies Prevention
- Research, scientific support:
  - Tripartite Reference Centres
- Intersectoral collaboration

Rabies Tripartite priority to apply the One Health Approach

# Rationale for investment

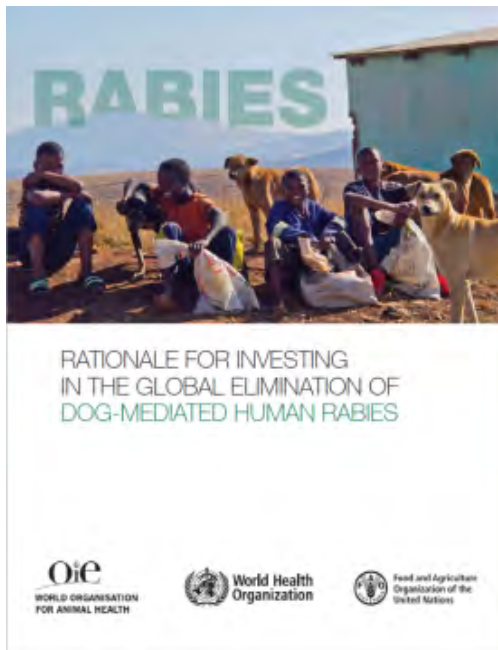
Key rationale and case scenarios for investing in the global elimination of dog-mediated rabies



1. Rabies is a major public health problem that disproportionately burdens poor rural communities
2. Rabies is preventable yet continues to kill
3. Dog-mediated human rabies can be eliminated by vaccinating dogs
4. Rabies elimination is feasible

# Rationale for investment

Key rationale and case scenarios for investing in the global elimination of dog-mediated rabies



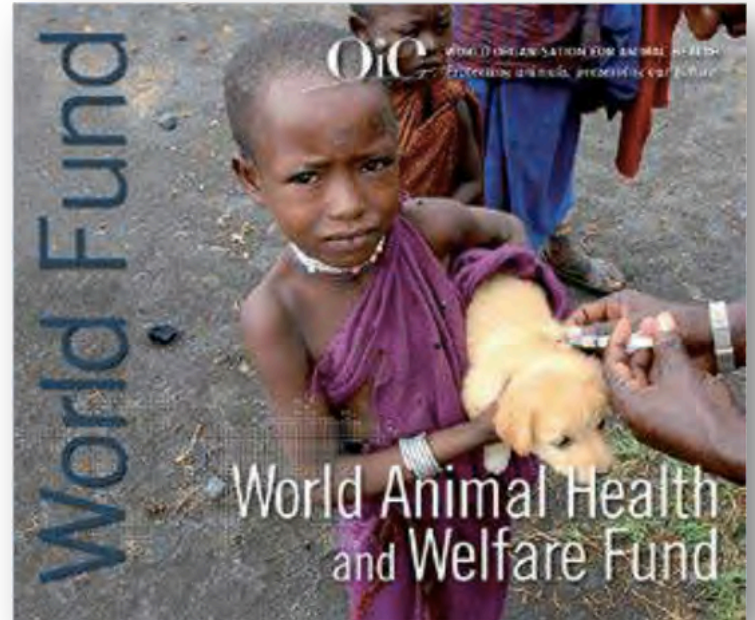
**Vaccinating 70% of dog  
population in endemic  
regions, we can  
eliminate Rabies**



# OIE Regional Vaccine Bank



- OIE World Fund
- Multi donor
- Several procurement options
  - Donation
  - Third party donation (WHO)
  - Direct purchase by country
- International call for tender
- Multi supplier



# OIE Rabies Vaccine banks



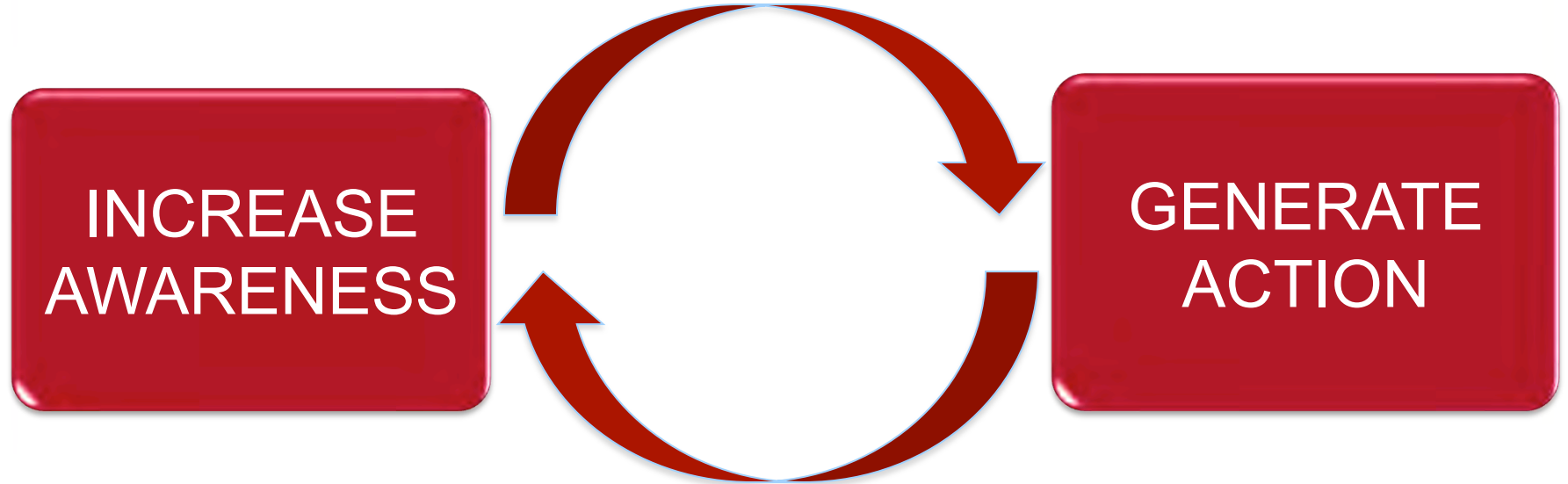
©OIE/Cecilia Dy

- Easy access to quality-assured dog vaccines for planned campaigns and outbreak management

- Approximately **15 million rabies doses** delivered to fifteen countries in Asia and Africa

# Communication help action

**Adhering**  
to an idea, to an objective



**Understand**  
Authorities' actions

# Global Conference

Global Elimination of  
dog-mediated human rabies.



© Serengeti carnivore disease project

- 10-11 December 2015  
– Geneva (Switzerland)
- Tripartite + GARC
- Around 350 participants

Dog-mediated rabies elimination is feasible

# Global Conference

Global Elimination of  
dog-mediated human rabies.



## OBJECTIVES

- Disseminate results of the proof of concept
- Build support and the case for investment
- Promote a One Health inter-sectoral collaboration
- Visionary agenda

# World Rabies Day



WORLD ORGANISATION FOR ANIMAL HEALTH  
Protecting animals, preserving our future

Home About us Our scientific expertise Support to OIE members International Standards Setting Animal welfare One Health Publications and communication

Animal health in the World  
Rabies Portal

Rabies Portal

Rabies still kills

Rabies is one of the most deadly zoonoses. Each year, it kills as many as 70,000 people worldwide, most children in developing countries. Over 86% of human cases of rabies are due to dog bites and unlike many other diseases, we already have all the tools needed to eradicate it.

The OIE provides science-based standards, guidelines and recommendations for the control of the disease in animals and to prevent its spread as well as expertise for the diagnosis of rabies and the production of high quality veterinary vaccines.

Through the Global Network of OIE Reference, Collaborating and Collaborating Centres, the OIE provides policy advice, strategic design and technical assistance for the diagnosis, control and eradication of rabies.

Discover the OIE Infographic on rabies

If you have difficulty viewing the infographic, click [here](#) to view more.

NO MORE DEATHS FROM RABIES

Every ten minutes someone in the world dies from rabies. This is the sad reality of the situation even today. Every year, rabies kills nearly 70,000 people, mostly children.



WORLD RABIES DAY  
SEPTEMBER 28

**NO MORE DEATHS FROM RABIES**

LET'S #ENDRABIESTOGETHER

WORLD ORGANISATION FOR ANIMAL HEALTH  
Protecting animals, preserving our future

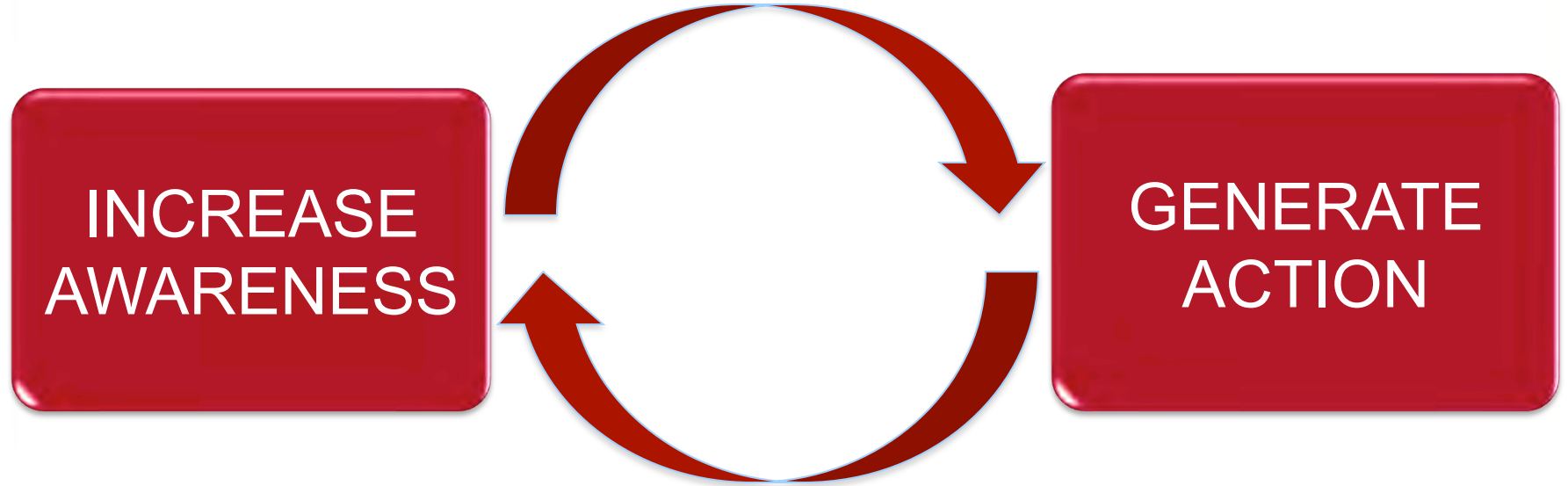
- Rabies can be eliminated by vaccinating dogs
- But every year, rabies kills tens of thousands of people, mostly children
- Each year rabies is one of the world's leading causes of death



OIE Tools

# Communication help action

**Adhering**  
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**Understand**  
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# OIE Communication Tools



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Home > Animal health in the world > Rabies Portal

## Rabies Portal

Rabies still kills | What is rabies? | Controlling rabies | Surveillance & Expertise | International mobilisation | Your turn to get involved | Events

**Rabies still kills**  
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Through its global network of 301 Reference Laboratories and Collaborating Centres, the OIE provides policy advice, strategy design and technical assistance for the diagnosis, control and eradication of rabies. [More](#)

The international community is mobilising, because nowadays, there must be no more deaths from rabies. [More](#)

**Discover the OIE Infographic on rabies**  
If you have difficulty viewing the infographic, display [fullscreen mode](#).

oie WORLD ORGANISATION FOR ANIMAL HEALTH  
Protecting animals, preserving our future

NO MORE DEATHS FROM RABIES

Every ten minutes someone in the world dies from rabies. This is the sad reality of the situation even today. Every year, rabies kills nearly 70 000 people, mostly children in developing countries. Over 86% of human cases are caused by the bite of a rabid dog. Yet the disease could get eradicated. Indeed, unlike many other diseases, we already have all the tools needed to eradicate it. Each vaccination is therefore one too many.

What is rabies?  
Nearly 70 000 deaths per year worldwide  
2/3 of the countries in the world are still affected  
Over 86% of human cases of rabies are due to dog bites

NEARLY 100% OF HUMAN RABIES CASES ARE PREVENTABLE

ERADICATE CANINE RABIES SO THAT NO MORE HUMAN CASES OCCUR  
70% Vaccinate at least 70% of dogs  
\$10 A cost nearly 10 times lower than that of human hospital care

INTERNATIONAL ORGANISATIONS ARE MOBILISING  
FAO OIE WHO  
A network of FAO/OIE/WHO Collaborating Centres  
OIE Regional Vaccine Banks  
The "Strategic" for rabies prevention and control

YOUR TURN TO GET INVOLVED  
TAKE PART IN THE WORLD RABIES DAY  
SHARE INFORMATION

## WHO, FAO, and OIE unite in the fight against rabies

**THE FACTS**  
A fatal but preventable disease  
Rabies is a viral disease that affects the central nervous system and ultimately leads to the death of people and animals. This disease can be prevented and managed.  
Yet, rabies still kills more than 65,000 people per year.

Over 2 billion people  
Two-thirds of the world's population live in areas where rabies is still a public health problem. In many of these areas, the disease is still preventable and manageable. The use of rabies vaccines in animals and humans can prevent the disease and protect the health of people and animals.

Dog vaccination and PEP  
It is highly recommended that vaccination in the most at-risk countries be prioritized in general campaigns, from communities, high schools, and mass media campaigns. Vaccination campaigns should be targeted to the most at-risk areas.

WHO  
FAO  
OIE

# NO MORE DEATHS FROM RABIES

WORLD RABIES DAY  
SEPTEMBER 28

Let's #ENDRABIES TOGETHER  
www.oie.int/rabies

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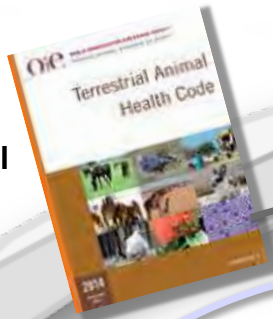
[www.oie.int/rabies](http://www.oie.int/rabies)



# Communication Handbook



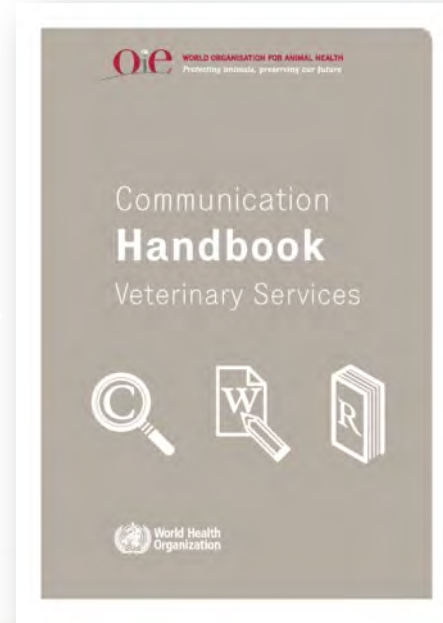
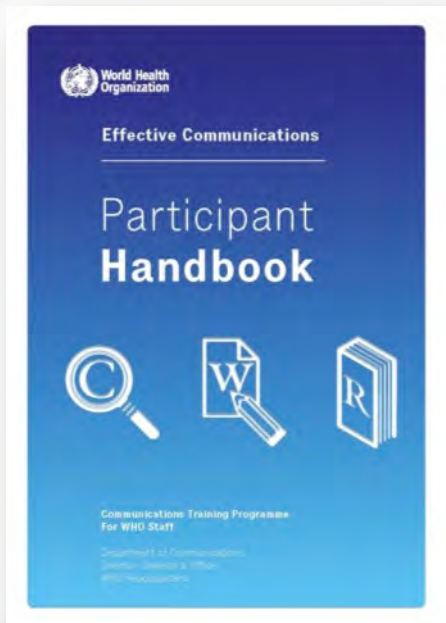
OIE  
Intergovernmental  
science based  
standards



WHO  
International  
Health Regulation



OIE/WHO Risk  
Communication  
collaboration



# REMESA: OIE-FAO Joint Secretariat



created  
in 2009



## REseau MEditerranéen de Santé Animale (REMESA) *Mediterranean Animal Health Network*



Greece



Malta



Cyprus



Jordan



Lebanon

new members in 2013

new members in 2014

There is rotation to held the co-presidency (2 countries each year).

# REMESA

**Among the diseases identified by REMESA  
4 of them got the attention in the Region in the recent  
past: 4 priority diseases**

**Foot and  
Mouth Disease**

**Rift Valley  
Fever**

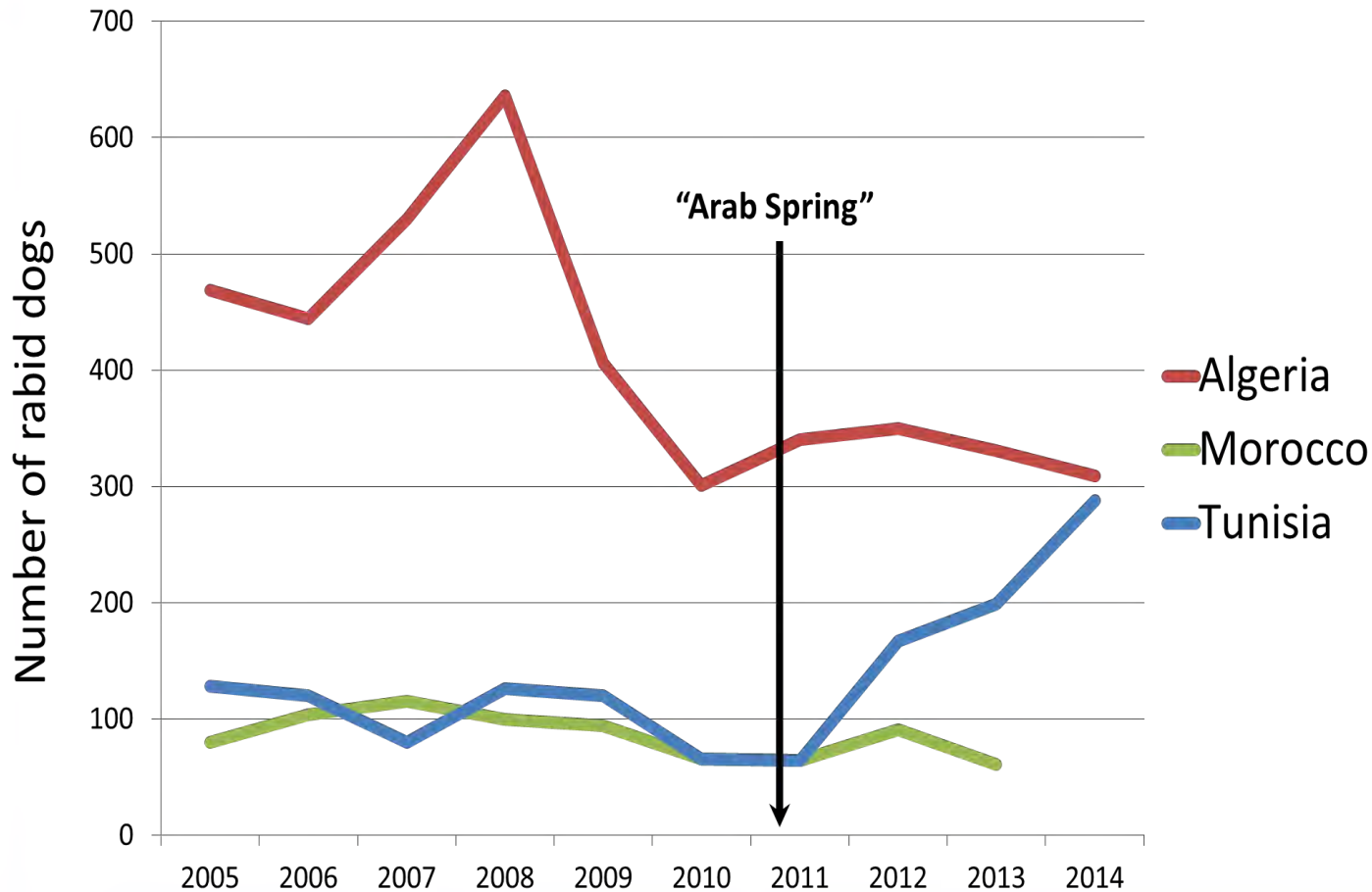


**REMESA**  
Mediterranean Animal Health Network

**Peste des Petits  
Ruminants**

**Rabies**

# Rabies in North Africa



# Questions?



**Thank you  
for your attention!**



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