



Food and Agriculture Organization
of the United Nations

World Rabies Day 2020

“ sharing progress of rabies elimination in Africa ”



Update on FAO involvement on rabies elimination programme in Africa – Sept 2020

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Overview

From the global plan to national objectives

Institutional setting and national plans

Laboratory diagnostic capacity, QA and BS/BS standards

Networking, knowledge generation and sharing

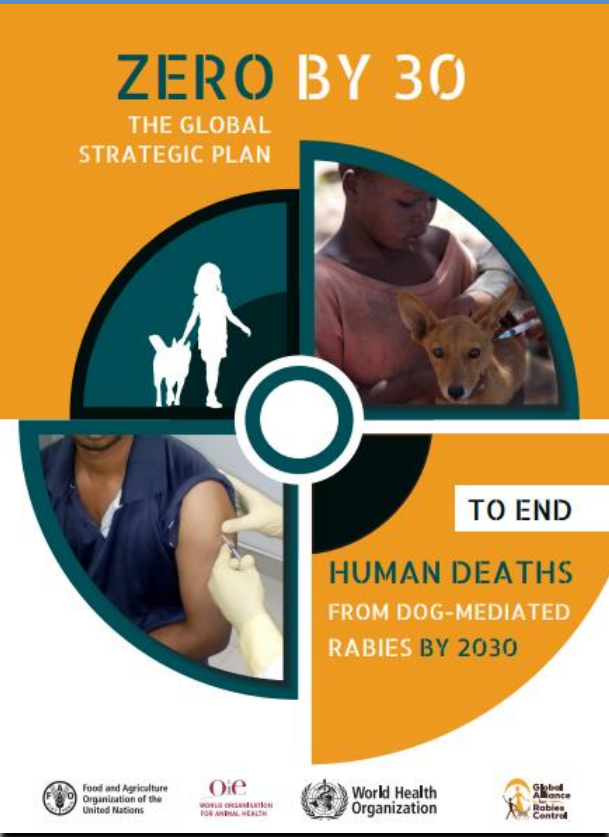
Take home message



Global strategic plan to end human deaths from dog-mediated rabies by 2030

3 objectives

- Reduce the risk of human rabies deaths;
- Provide guidance and data ;
- Sustain commitment and resources



3 phases

Start-up Finalize tools
Prepare elimination plans
Strengthen OH

2018-2020

Scale-up Engage more endemic countries
Draw lessons from past experiences

2021-2025

Mop up Engage the remaining endemic countries
Continued efforts towards communities

2026-2030



Global

Tripartite, UAR
coalition, GF-TADs

Reference
laboratories and

Africa

IBAR/RECs/Regional
Tripartite/regional
animal health
networks

National

OH platforms,
DVS- TWGs-
Academia

Sub-national

OH
Municipalities
Private sector



Prioritize, plan and collaborate

OH zoonotic disease prioritization

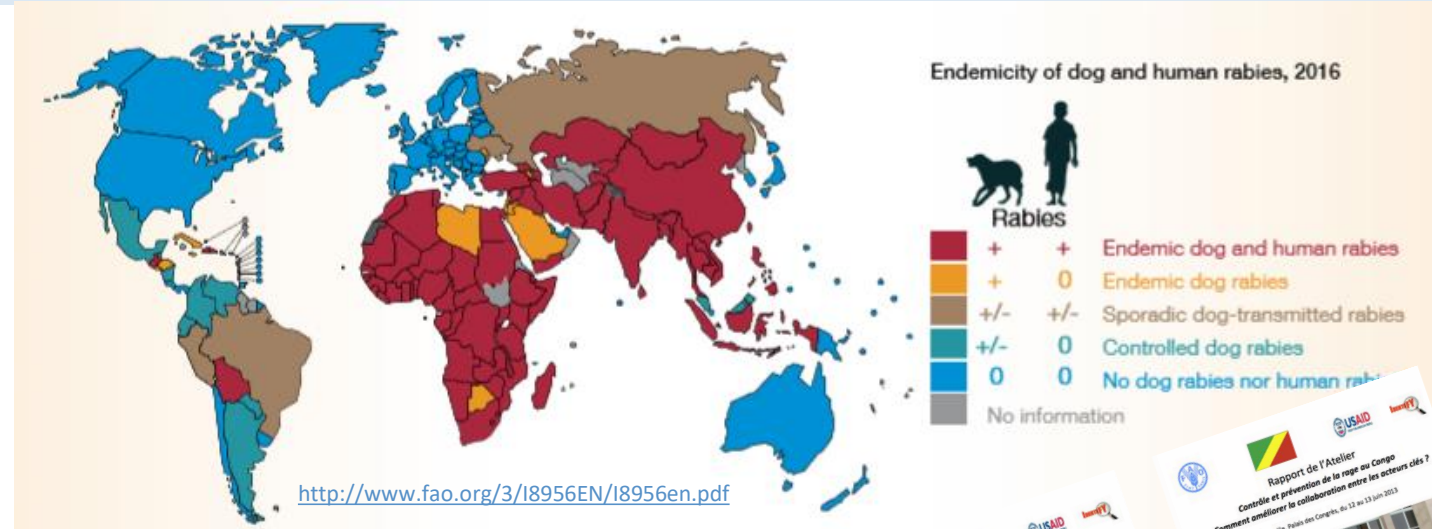
- Multidisciplinary process
- Rabies is a PZD in all the countries

Rabies stakeholder meetings

- Align countries' plans to the global plan
- Build consensus on priority activities and timeline
- Support resources mobilization and advocacy

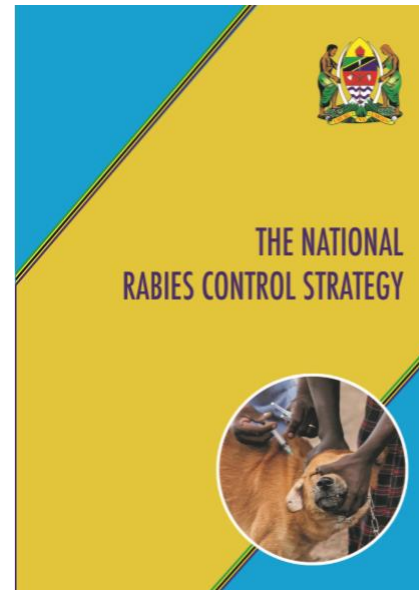
OH platforms/rabies TWG groups

- National - ZDU in Kenya
- Regional - TWG of RESOLAB/RESEPI WA



Key achievements

- Rabies is a prioritized zoonotic disease in all the countries – **OBJ1**
- National multi-sectoral rabies elimination plans prepared – **OBJ 2 & 3**
- National OH platforms/TWGs addressing rabies under the OH approach – **OBJ 2 & 3**
- Regional TWGs actively working on rabies control – **OBJ 1 & 2**



Detect accurately and safely

Provision

- Equipment
- Reagents

Trainings

- Sampling
- Sample transport and shipment – IATA compliance
- Diagnostic techniques and BS/BS measures

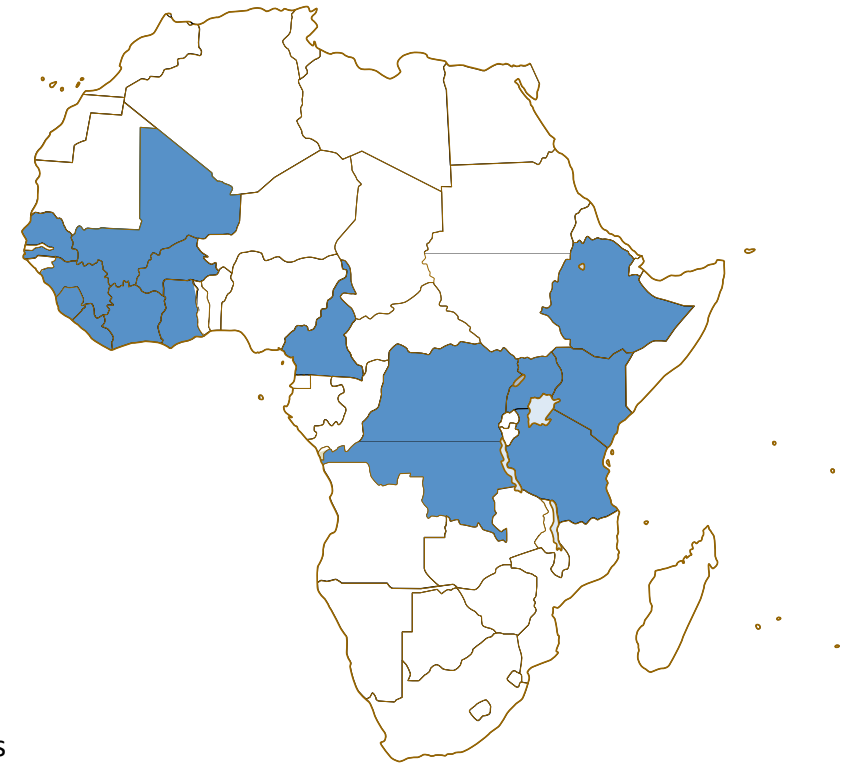
Proficiency Test

- Compliance with international standards
- Rabies vaccination for lab technicians and field officers
- Troubleshooting missions



Detect accurately and safely

- Provision of lab equipment and reagents
- On-site trainings on lab diagnostic techniques (FAT, RT-PCR et DRIT) in collaboration with IZSve et GARC between 2012-2018
- PTs

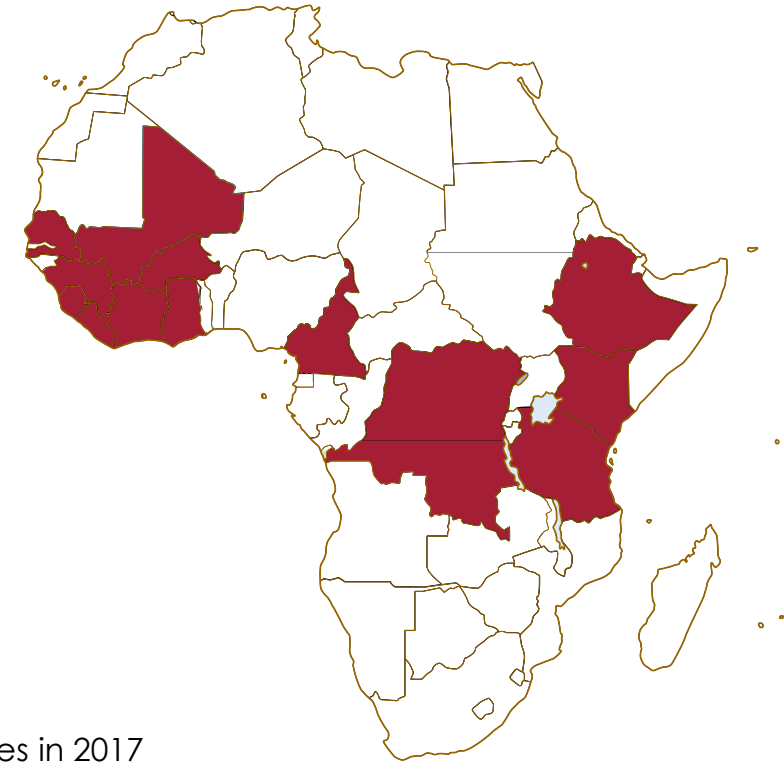


- Equipment and reagents
- Trainings on RT-PCR and IF (2012-2014)
- Trainings on RT-PCR and IF (2018)



Proficiency Test

- Positive controls
- IF and RT-PCR
- Critical to :
 - Assess lab diagnostic capacities
 - Identify the gaps
 - Plan for troubleshooting missions



■ Participating countries in 2017

■ Participating countries in 2019

Assess, map, report, share and respond jointly

Risk assessment and mapping, disease monitoring

- JRA principles
- Promotion of best-practice surveillance
- Dog population management

Risk mitigation

- Dog vaccination
- Risk Communication and Community Engagement

Advocacy and awareness

- Commemoration of WRDs
- Private Sector Engagement
- Side events during relevant meetings and conferences



Generate, learn and share

Rabies TWGs

- Facilitate testing and access to tools and knowledge (SARE, lab techniques) – **OBJ1**
- Share local expertise and report data through regional platforms – **OBJ 2**
- Provide opportunities to expand information on rabies control/elimination activities, practices and achievements – **OBJ2 and 3**

Articles

- Support knowledge generation and sharing - **OBJ2 and 3**
- Provide visibility to local experts - **OBJ2 and 3**



Networking, knowledge generation and sharing

RESEARCH ARTICLE

An inter-laboratory trial as a tool to increase rabies diagnostic capabilities of Sub-Saharan African Veterinary laboratories

Morgane Gourlaouen¹, Angélique Angot², Marzia Mancin³, Charles Bebay⁴, Baba Soumaré⁵, Francesca Ellero¹, Barbara Zecchin¹, Stefania Leopardi¹, Cristian De Battisti^{1,2}, Calogero Terregino¹, Paola De Benedictis^{1,*}

1 FAO and National Reference Centre for Rabies, OIE Collaborating Centre for Diseases at the Animal-Human Interface, Istituto Zooprofilattico Sperimentale delle Venezie, Legnaro (PD), Italy, 2 Laboratory Unit—Emergency Prevention System (EMPRES), Animal Health Service, Food and Agriculture Organization of the United Nations (FAO-UN), Rome, Italy, 3 Risk Analysis and Public Health Department, Istituto Zooprofilattico Sperimentale delle Venezie, Legnaro (PD), Italy, 4 Food and Agriculture Organization of the United Nations (FAO), Emergency Center for Transboundary Animal Diseases (ECTAD), Nairobi, Kenya, 5 Food and Agriculture Organization of the United Nations (FAO-UN), Emergency Center for Transboundary Animal Diseases (ECTAD), Accra, Ghana



Article

Ecological and Epidemiological Findings Associated with Zoonotic Rabies Outbreaks and Control in Moshi, Tanzania, 2017–2018

Niwael Mtui-Malamsha¹, Raphael Sallu¹, Gladys R. Mahiti^{2,3}, Hussein Mohamed^{2,3}, Moses OleNeselle¹, Bachana Rubegwa¹, Emmanuel S. Swai⁴, Selemani Makungu⁴, Edward G. Otieno^{3,5}, Athuman M. Lupindu^{3,5}, Erick Komba^{3,5}, Robinson Mdegela^{3,5}, Justine A. Assenga^{4,6}, Jubilate Bernard^{6,7}, Walter Marandu⁸, James Warioba⁹, Zacharia Makondo¹⁰, Jelly Chang'a¹⁰, Furaha Mramba¹⁰, Hezron Nonga^{4,5}, Japhet Killewo^{2,3}, Fred Kafeero¹, Yilma J. Makonnen¹¹, Ariel L. Rivas¹² and Folorunso O. Fasina^{1,13,*}



2030 is nearly tomorrow.....

- Assess progress made towards rabies elimination across the continent/against the three objectives and agree on critical milestones and urgent action points
- Continue capacity development on surveillance, lab diagnostic, PTs, data reporting, especially in poor setting countries
- Extend rabies stakeholder meetings to remaining countries and finalize multi year control plans
- Deliver resources mobilization campaigns regionally/nationally
- Improve private and local Gvt engagement
- Reinvigorate rabies working groups and OH (regional and national)
- Reinforce Tripartite in Africa (regional and sub-regional) and OH (country level)



Thank you



Protecting people, animals, and the environment everyday