

KZN Case Study

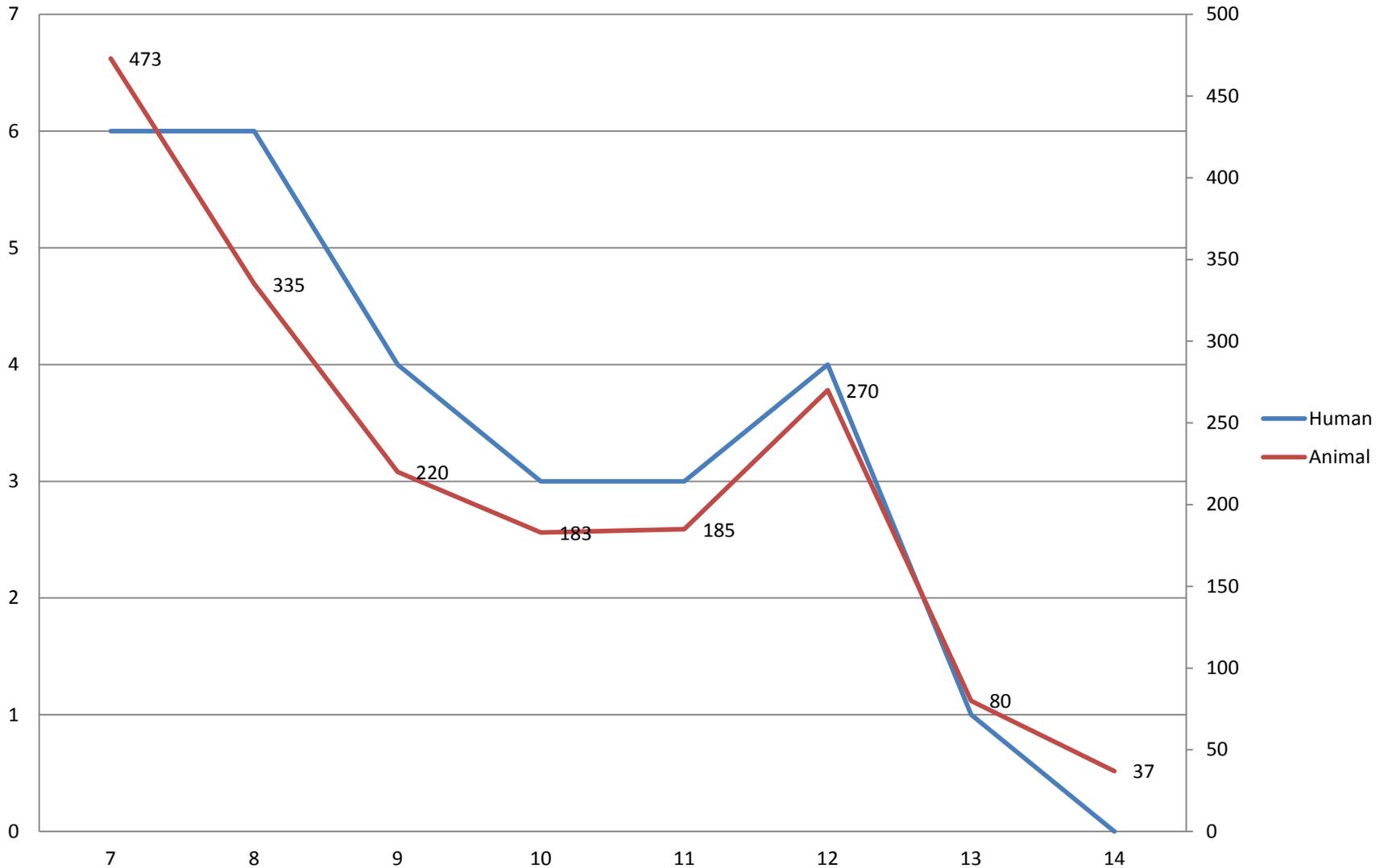
“Dawn of a new era”



**Dept. Agric
and Rural
Development**



Project Success 2007-2014



Challenges

- Lack of people and equipment
- Constantly changing leadership
- Lack of political support
- Crippling bureaucracy
- Corruption
- Other priorities



Start Small,
Get everybody
involved



Don't be Intimidated by 70%

- Be strategic! Target Source population.

CHAMPIONS!

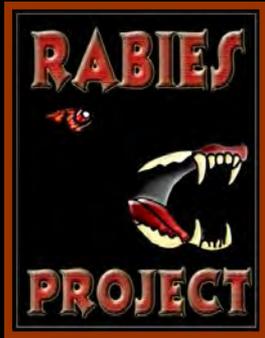
Every success I have witnessed, has had one or two dedicated people driving it!

No Quick Fixes or Magic Bullets



Each Country is Different





Department of
Agriculture and
Environmental
Affairs



World Health
Organization

sanofi pasteur

The vaccines division of sanofi-aventis Group



NICD

MERIAL - CDC(US)
USDA - VIRBAC - NESTLE
OIE - ALLIANCE FOR
RABIES CONTROL -
UNIVERSITY OF GLASGOW



HEALTH
KwaZulu-Natal



agriculture

Department:
Agriculture
REPUBLIC OF SOUTH AFRICA



Bill & Melinda
Gates foundation

MOMENTUM In Africa!

- Success Stories
- National Strategies
- Global Organisations working together.
- NGO's getting involved.
- Sponsorship

Model for Control Programs

- Global Organisations being to influence governments.
- These organisations influencing sponsorship, for vaccine banks and support of expert advisors.
- Stimulus packages for countries which includes equipment and training.
- Demonstration programs to initiate and create momentum.
- Continued support for sustainability.

ACKNOWLEDGMENTS



- Bill and Melinda Gates foundation
- World Health Organisation
- Prof. Louis Nel (University of Pretoria)
- Tireless field staff of KZN

Giving our children a future without Rabies!

THANK YOU!



Picture by
Debbie Cooke

Who is the Rabies Advisory Group?

- Initiated by the Department of Agriculture
- Group of Rabies experts:
 - Field veterinarians
 - Laboratory Services
 - Epidemiologists
 - Researchers
- One Health

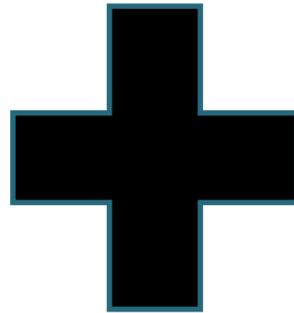
What does RAG do?

- Advise is given on rabies related matters to:
 - The National Department of Agriculture
 - The Department of Health
 - Provincial Veterinary Services
 - Researchers interested in rabies research

RAG functions continued...

- Compile an **annual report** on the state of rabies in South Africa.
- **Auditing** of reported rabies data to ensure data integrity.
- Identify **training** needs and develop means to address them.
- Drive **research** that address some of the identified research needs.
- Develop and update a rabies **risk-map** for South Africa.

Rabies elimination strategy



Rabies elimination strategy

- 1st step: recognise that it is achievable!!!
 - Eliminate rabies smaller achievable areas
 - Let jealousy create a snowball effect
- Decentralization of laboratories (possibly using DRIT)
- Move towards intra-dermal PEP

Rabies elimination strategy

- Nurture rabies champions
- Wildlife rabies – bait vaccine



Rabies distribution according to vector species

From the Directorate Animal Health Disease Database (outbreaks reported 1993 to 2012)

Legend

Provinces

Yellow Mongoose

- 0
- 1 - 2
- 3 - 6
- 7 - 11
- 12 - 23

Canine

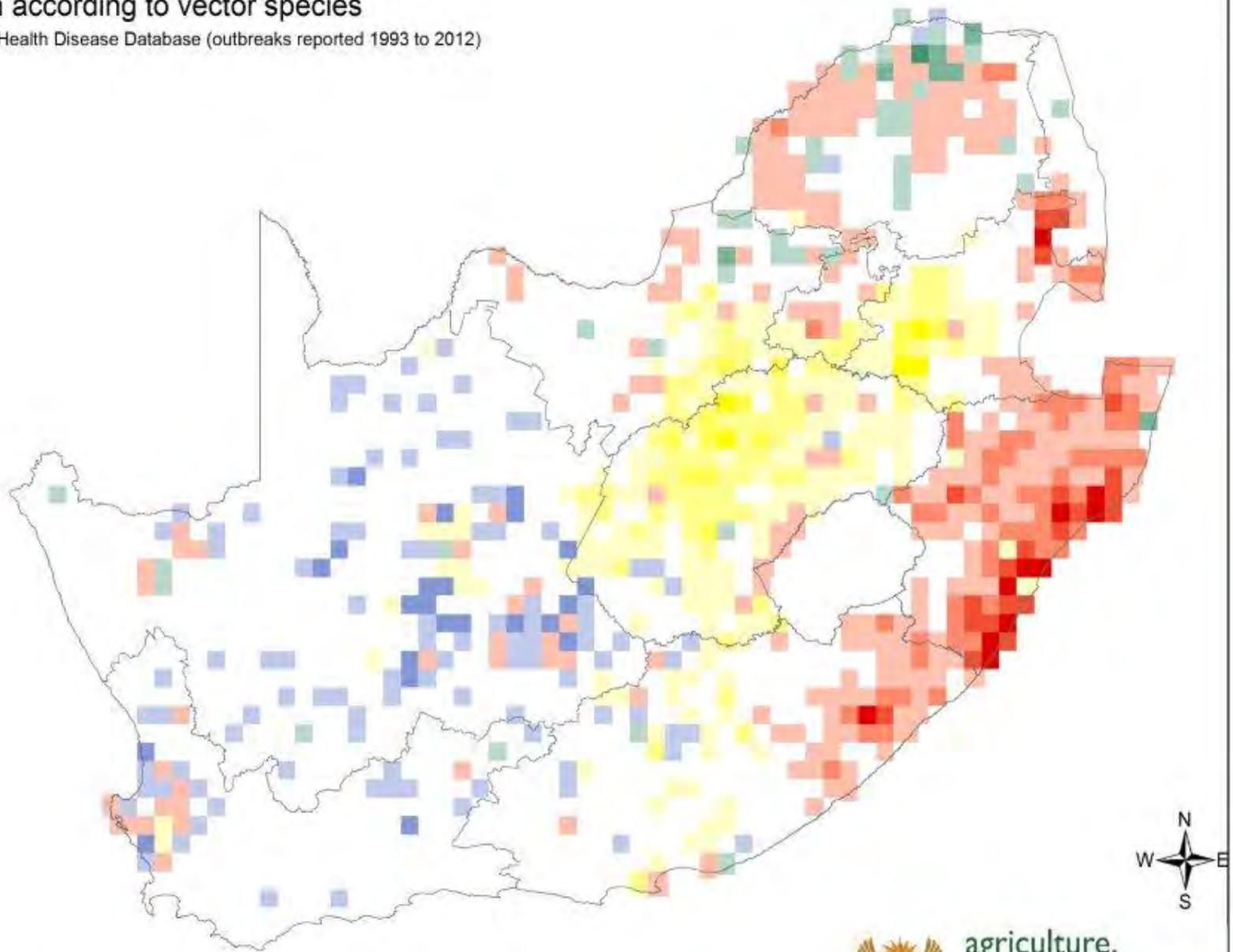
- 0 - 3
- 4 - 20
- 21 - 50
- 51 - 100
- 101 - 414

Jackal

- 0
- 1
- 2
- 3
- 4 - 6

Bat Ear Fox

- 0
- 1
- 2 - 4
- 5 - 7
- 8 - 11



Map created by
Sub-directorate Epidemiology
Directorate of Animal Health
Date: 18/03/2013

0 10 20 40 60 80 Kilometers



agriculture,
forestry & fisheries

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

Bait vaccine

- Research and implement
- Involve ecologists and zoologists





Thanks!

Merci!

johann.vet@gmail.com

Rabies Control strategy - NAMIBIA



Presented by J. Kabajani

PARaCoN : Johannesburg -
2015

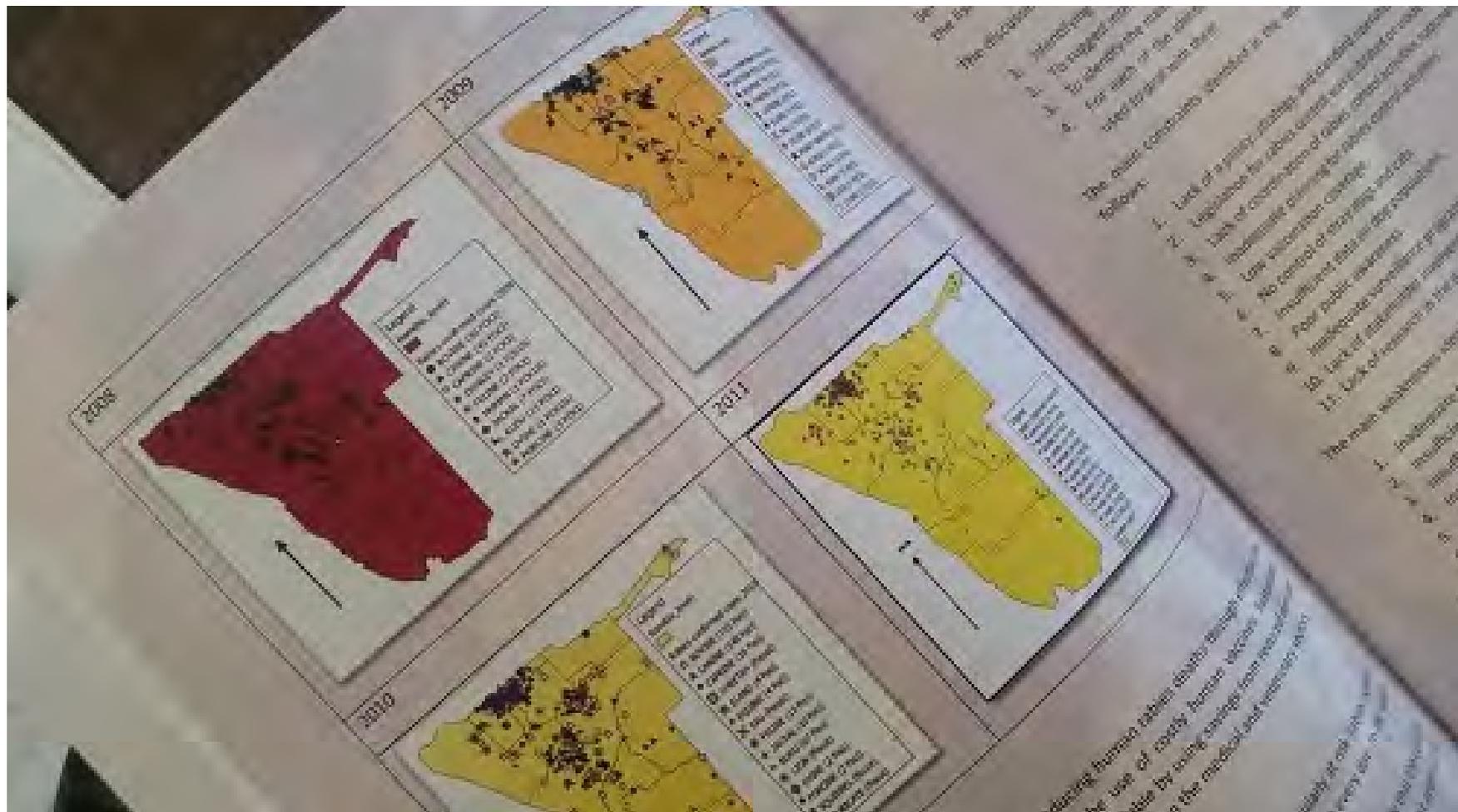
Introduction

- Namibia has a pop. Of about 2mil people(2011)
- Most household own different types of domestic animals
- Thus high possibility of getting exposed to rabies
- It's a notifiable disease in Namibia
- Two testing facilities (Ondangwa + Central Vet.lab)

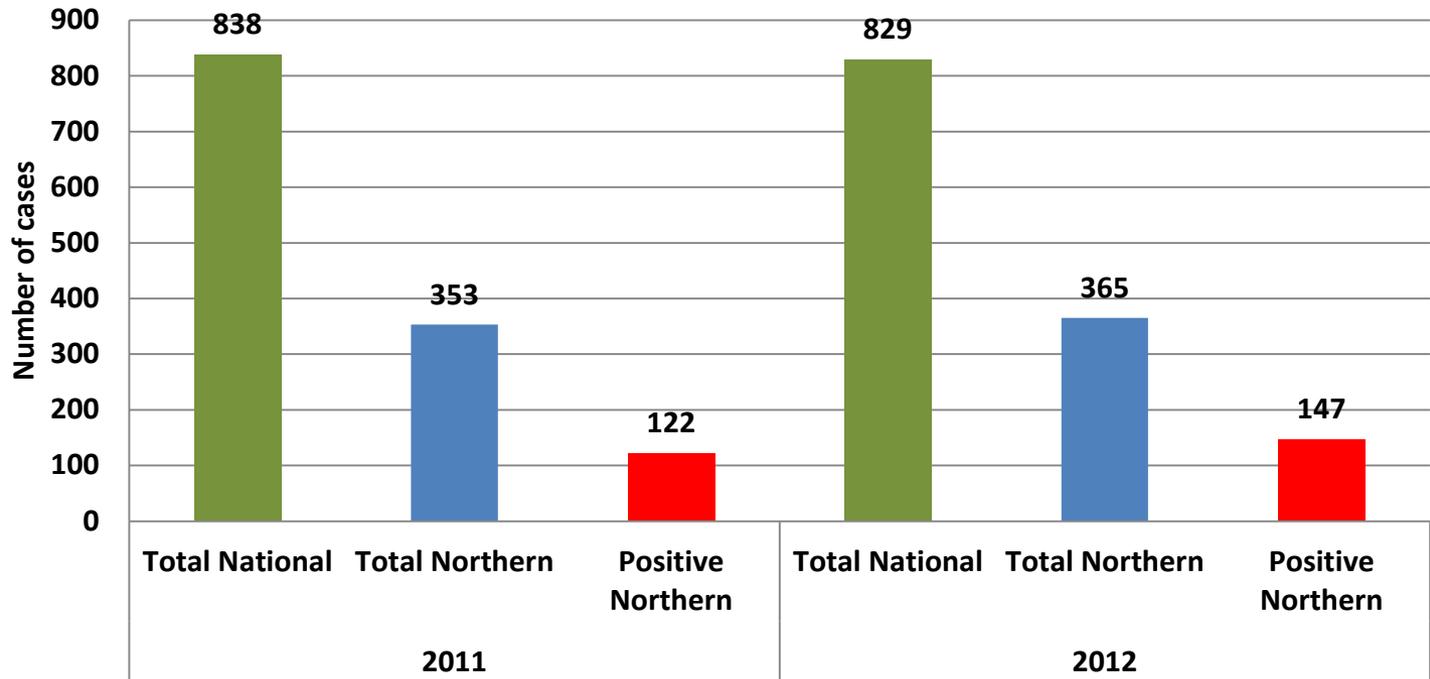
Background.....

- Control is through vaccination campaigns, all over the country, at different times of the year
- State offers free rabies vaccinations for small animals
- Prevention in humans: prophylactic and post-exposure treatments - for free
- The northern part of Namibia mostly with high number of canine rabies
- High number of Kudu and Bovine cases in the south.

The Northern....



Rabies cases - Northern part



The Re-think process



- Current efforts and programmes of rabies not effective for the northern parts
- Started Re-think process
- Came up with Rabies control strategy
- Launched in May 2015 by Hon.Min J.Mutorwa
- In consultation with MoHSS, VAN.

Objectives

- To address the current constraints and weaknesses
- Minimise animal and human rabies
- Foster cooperation and collaboration among stakeholders



Motivation

- Livestock losses
- Costs of control in animals
- Loss of human lives
- High cost of PEP
- High risk areas



Highlights of the strategy...

- Review legal provision
- Provide SOP
- Establish baseline information, e.g. dog population



- Cooperate with regional bodies – techniques and information sharing



- Strengthen stakeholder participation

Design an effective
vaccination programme



Assign dedicated team
for rabies

Provide training in
rabies control +
diagnosis



Highlights of the strategy

- Increase awareness
- Provide adequate infrastructure
- Adequate monitoring and evaluation



Other parts of the strategy

- SOP for rabies sample collection and dispatch
- National Protocol on how to handle a rabies case in humans

Thank you