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Organisation  
Mondiale  
de la Santé  
Animale

World  
Organisation  
for Animal  
Health

Organización  
Mundial  
de Sanidad  
Animal

# Mandate of OIE Reference Centres

## Capacity Building Support and Networking

Regional Seminar on the OIE Laboratory Twinning Programme: Concepts and Perspectives

Johannesburg, South Africa,  
9-10 October 2012

Neo J. Mapitse





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# Reference Laboratories and Collaborating Centres

## GENERAL OVERVIEW



Oie

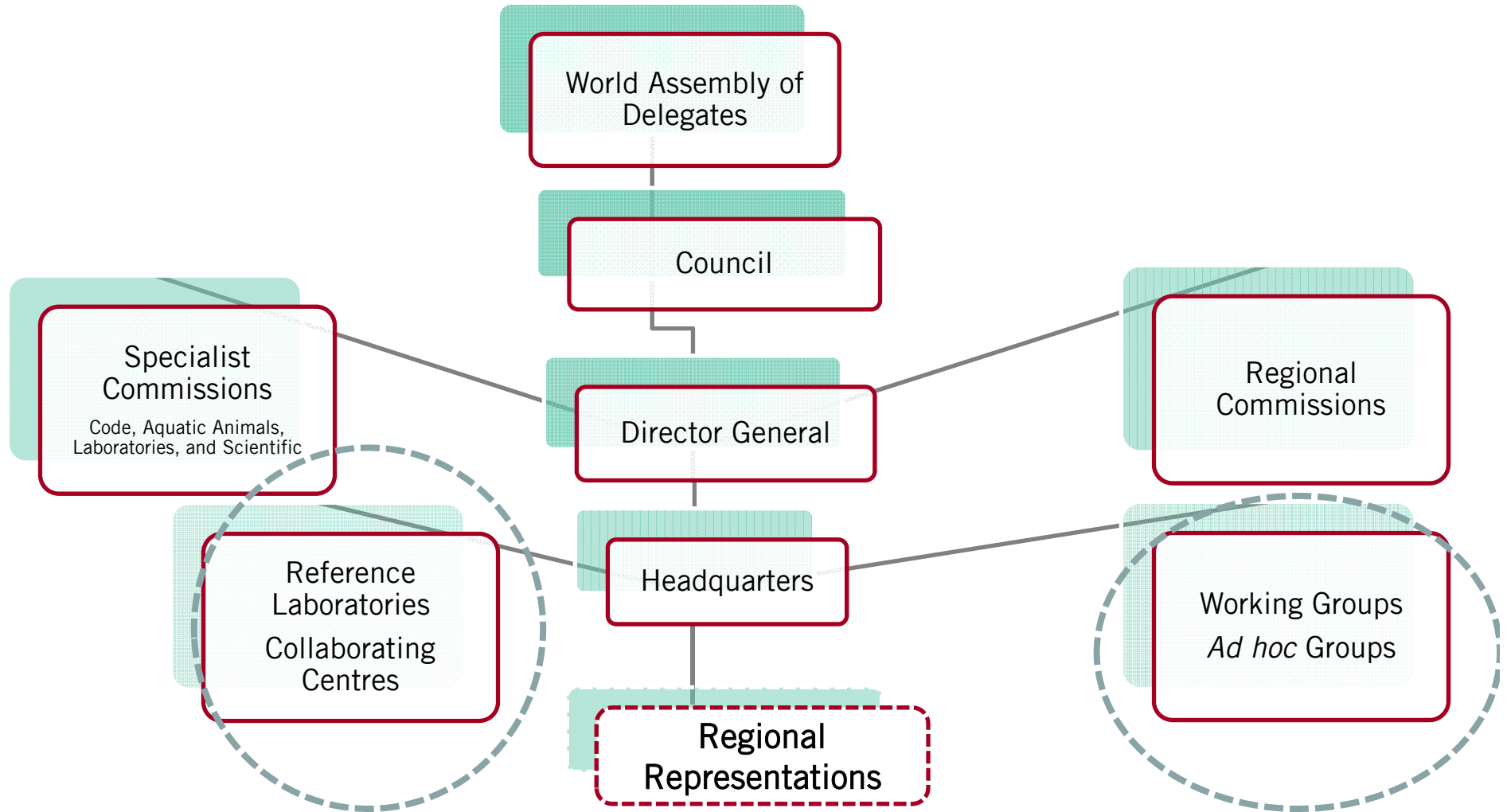


# Contents

- Governance of OIE and Reference Centres
- Definition
- Geographical spread
  - Globally
  - Africa Region
- Mandate and Terms of Reference
- Activities and achievements
  - Capacity Building
  - Networking



# Governance structure of the OIE





## Specialist Commissions 2/2

# Governance structure of the OIE

### Terrestrial Animal Health Standards Commission "Code Commission"

Responsible for updating the *Terrestrial Animal Health Code* annually; proposes new standards for adoption by the World Assembly of Delegates.

Responsible for ensuring that the Code reflects current scientific information.

### Scientific Commission for Animal Diseases "Scientific Commission"

Assists in identifying the most appropriate strategies and measures for the following:

- disease surveillance
- disease prevention and control
- examining Members' request regarding their official animal health status, for countries that wish to be included on the OIE official list of countries or zones free from certain diseases

### Aquatic Animal Health Standards Commission "Aquatic Animals Commission"

Compiles information on diseases of fish, molluscs, crustaceans and amphibians and recommends appropriate prevention and control methods for these diseases.

Responsible for updating the *Aquatic Animal Health Code* and the *Manual of Diagnostic Tests for Aquatic Animals*; and for proposing new standards for adoption by the World Assembly of Delegates.

### Biological Standards Commission "Laboratories Commission"

Establishes or approves methods for:

- diagnostic of diseases of mammals, birds and bees

- defining quality criteria of biological products such as vaccines, used for disease control purposes

Oversees production and adoption of the *Manual of Diagnostic Tests and Vaccines for Terrestrial Animals*.

**Advises the Director General in supervising the global network of OIE Reference Centres (277 worldwide in 5/2012).**



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# The OIE Priority Missions

- Transparency of animal diseases situation worldwide
- **Scientific excellence;**
- International support to developing countries and the role played by VS;
- Support to good veterinary governance and capacity building;
- Safety of international trade of animals and animal products;
- Food safety and
- Animal welfare.



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# The OIE Network of Expertise

Strengthen the OIE's expertise capabilities to respond more effectively to Members requirements

- Established due to growing OIE Members demands to provide advice on:
  - Technical and scientific matters
  - Basis for setting of international standards
- International points of reference for disease diagnosis, prevention and control
- Constitutes the central core of the OIE's scientific excellence



# The OIE Network of Expertise

Strengthen the OIE's expertise capabilities to respond more effectively to Members requirements

- Ensuring transparency in the global animal disease situation including zoonoses:
  - The network must improve **early warning** in the event of outbreaks of **animal diseases**, including **zoonoses** and the knowledge of the **animal health situation** in the world, with regard to OIE – listed diseases and to **emerging** and **re-emerging** diseases that are not listed



# The OIE Network of Reference Centres

	Reference Laboratories	Collaborating Centres
<b>Number</b>	236	41
<b>Countries</b>	37	22
<b>Diseases/ Topics</b>	112	38
<b>Experts</b>	176	

**Slide 9**

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**NJM1**

Cross reference to resolutions of 79 GS

OIE, 10-Jun-11



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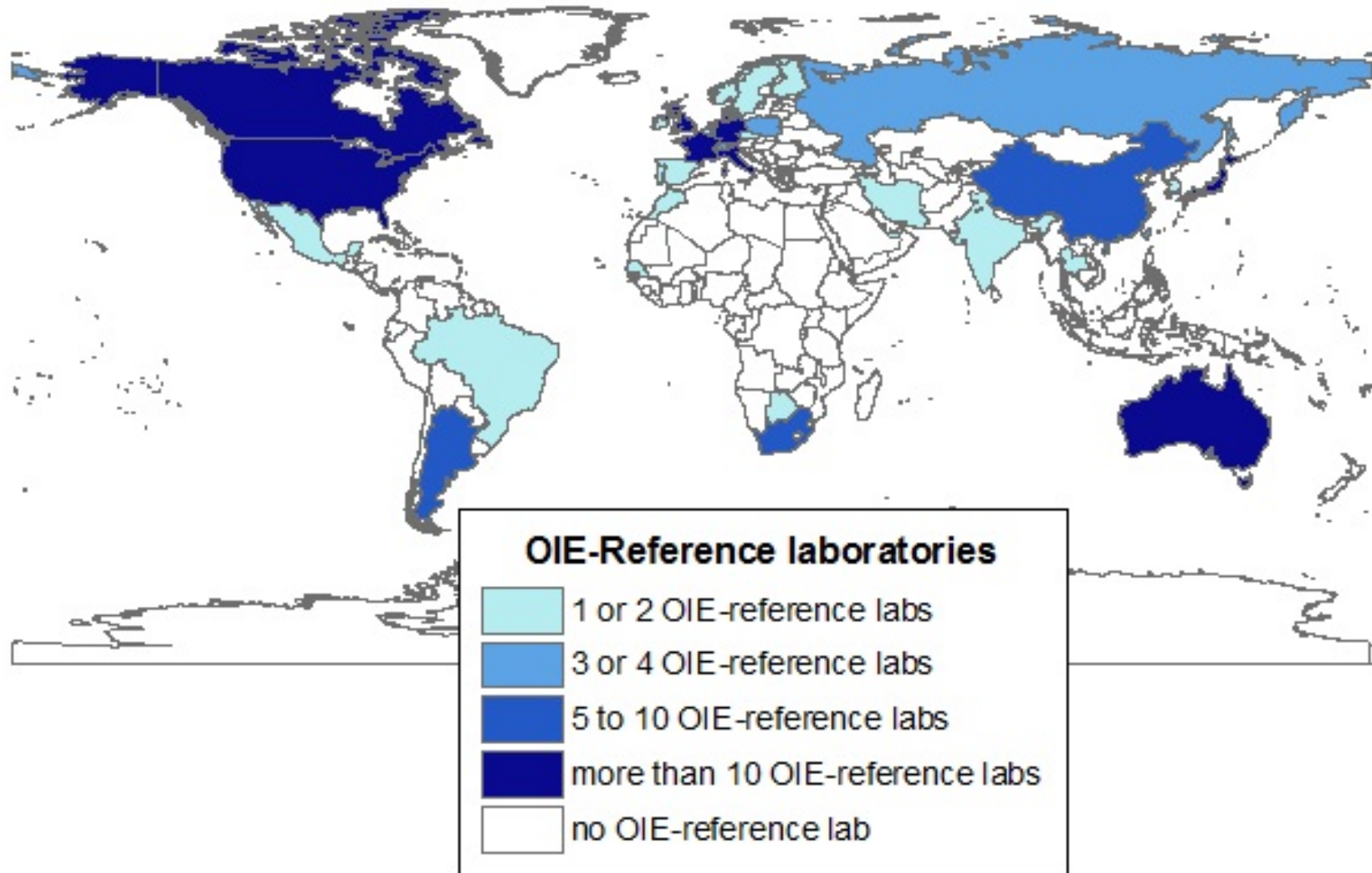
# OIE Reference Laboratories

- Principal mandate is to function as a world reference centre of expertise on designated pathogens or diseases;
- to pursue all the scientific and technical problems relating to a named disease or specific topic.
- The Expert :leading and active researcher to provide scientific and technical assistance and expert advice.



# World distribution of the OIE-Reference Laboratories

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# Africa-based OIE Reference Laboratories

African Horse Sickness

African Swine Fever

Bluetongue

Contagious bovine pleuro-pneumonia

Control of veterinary products in Sub-Saharan Africa

Echinococcosis / Hydatidosis

Foot-and-Mouth Disease

Lumpy Skin Disease

Sheep and goat pox

Rabies

Rift Valley Fever

12 in 4  
countries!



# Principal Mandate of RL

- To use, promote and disseminate diagnostic methods validated according to OIE Standards;
- To recommend the prescribed and alternative tests or vaccines as OIE Standards;
- To develop reference material in accordance with OIE requirements, and implement and promote the application of OIE Standards;
- To store and distribute to national laboratories biological reference products and reagents;
- To develop, standardise and validate according to OIE Standards new procedures for diagnosis and control of the designated pathogens or diseases;



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## Mandate (contd)



- To develop, standardise and validate according to OIE Standards new procedures for diagnosis and control of the designated pathogens or diseases;
- To provide diagnostic testing facilities, and, where appropriate, scientific and technical advice on disease control measures to OIE Member Countries;
- To carry out and/or coordinate scientific and technical studies in collaboration with other laboratories, centres or organisations including through Twinning;



## Mandate (contd)

- To collect, process, analyse, publish and disseminate epizootiological data relevant to the designated pathogens or diseases;
- To provide scientific and technical training for personnel from OIE Member Countries;
- To maintain a system of quality assurance, biosafety and biosecurity relevant for the pathogen/ disease concerned
- To organise and participate in scientific meetings on behalf of the OIE;





## Mandate (contd)

- To establish and maintain a network with other OIE RL designated for the same pathogen or disease and organise regular inter-laboratory PT to ensure comparability of results;
- To organise inter-laboratory PT with labs other than OIE RL for the same pathogens and diseases to ensure equivalence of results;
- To place expert consultants at the disposal of the OIE.



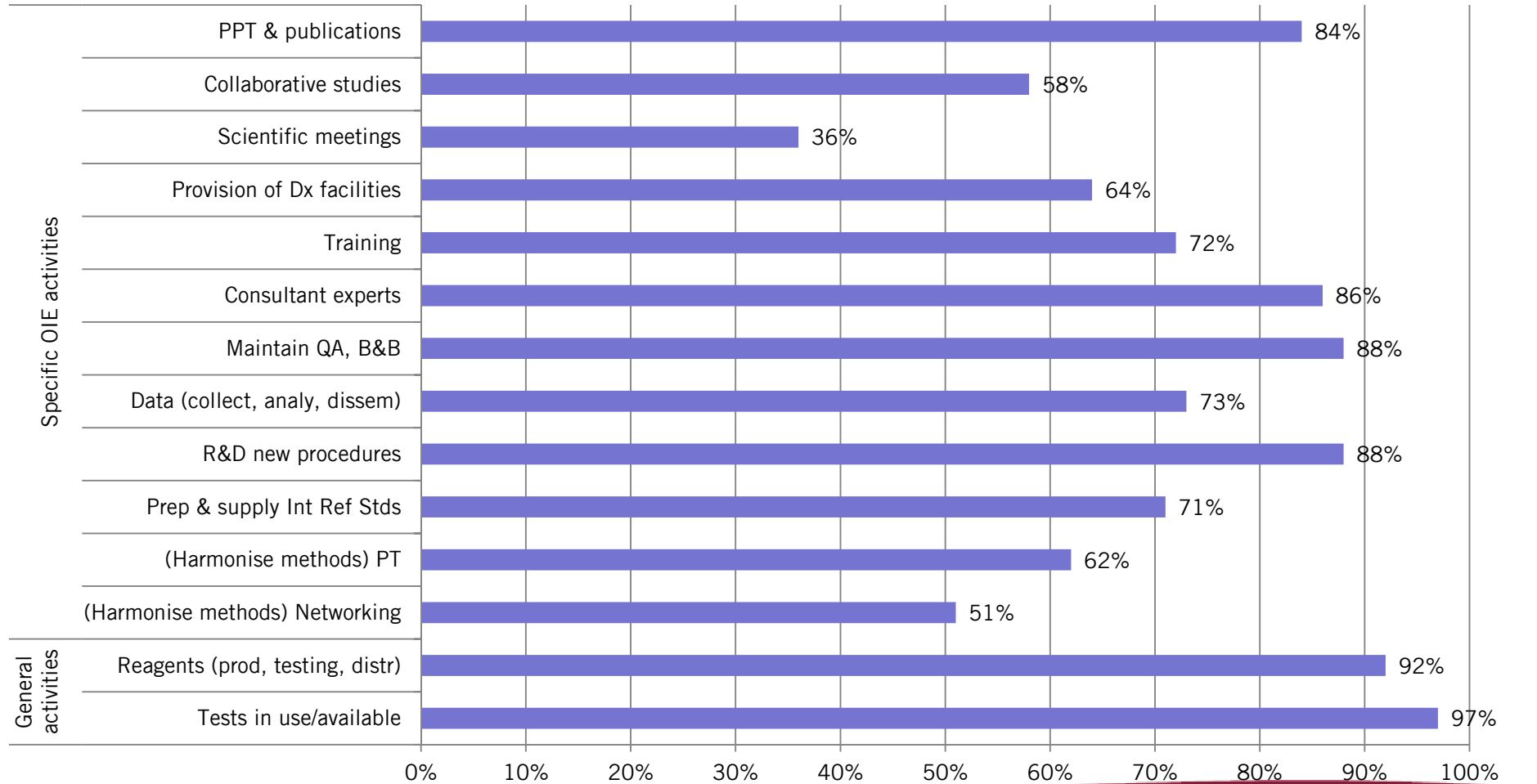
# 2011 Report of activities

- Based on 161 out of 182 Reference Laboratories and 36 out of 38 Collaborating Centres for terrestrial animal diseases or topics;
- New reporting template being considered to derive more consistent information from the Reference Centres



# 2011 Report of RL activities

% of Labs carrying out activity (2011)





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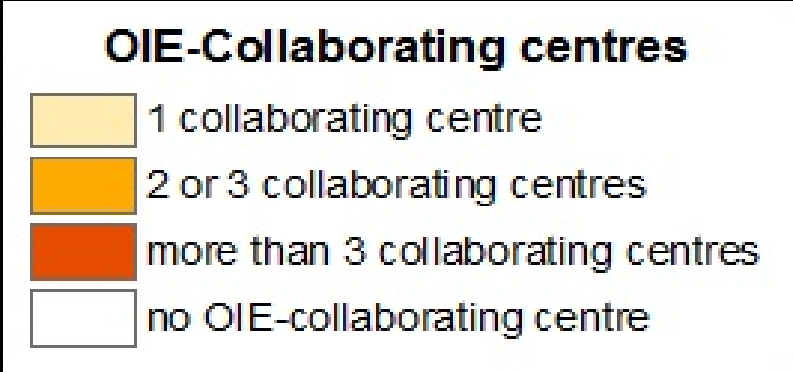
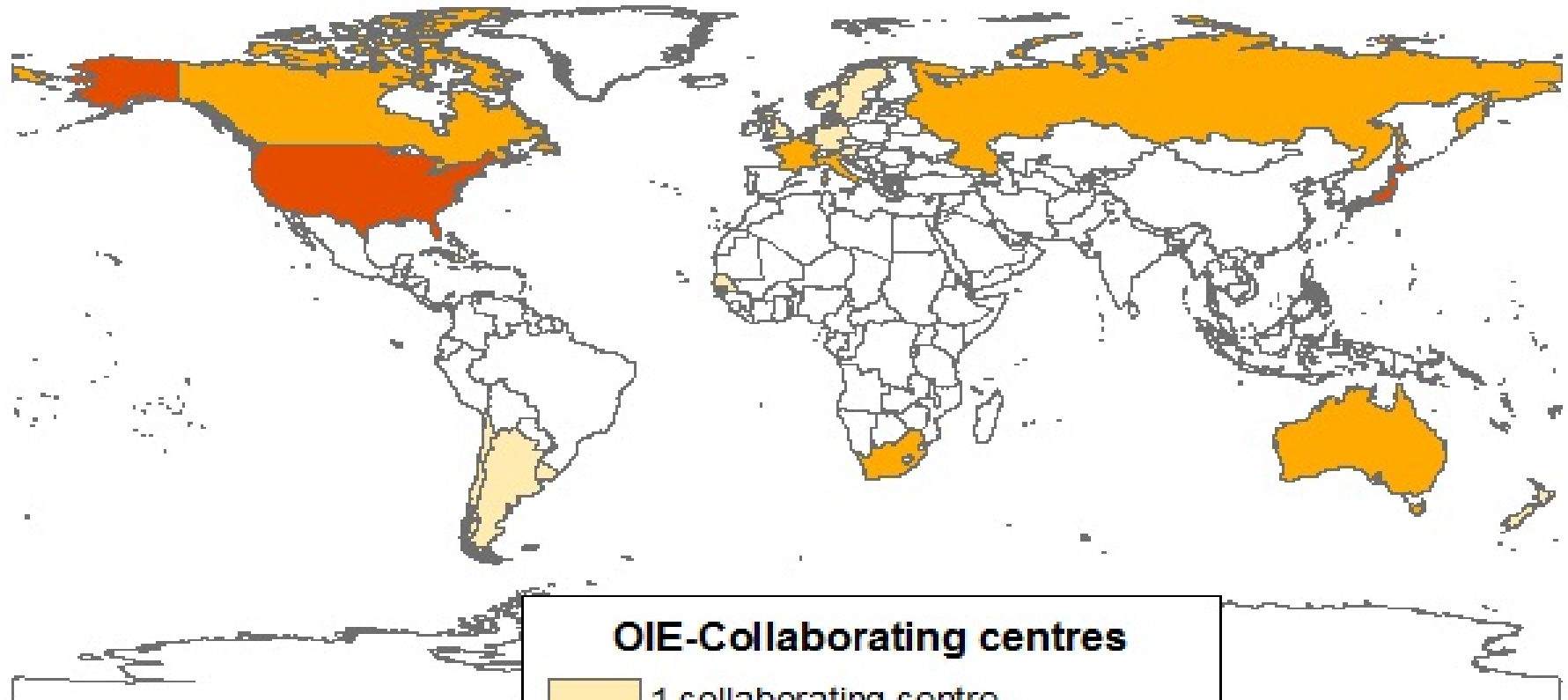
# COLLABORATING CENTRES

# Collaborating Centres

- Principal mandate is to function as a world centre of research, expertise, standardisation of techniques and dissemination of knowledge on a specialty ;
- Centres of expertise in a specific designated sphere of competence relating to the management of general questions on animal health issues (for example epidemiology, risk analysis, training, veterinary drugs etc.)
- provide their expertise internationally



# World distribution of the OIE-Collaborating Centres





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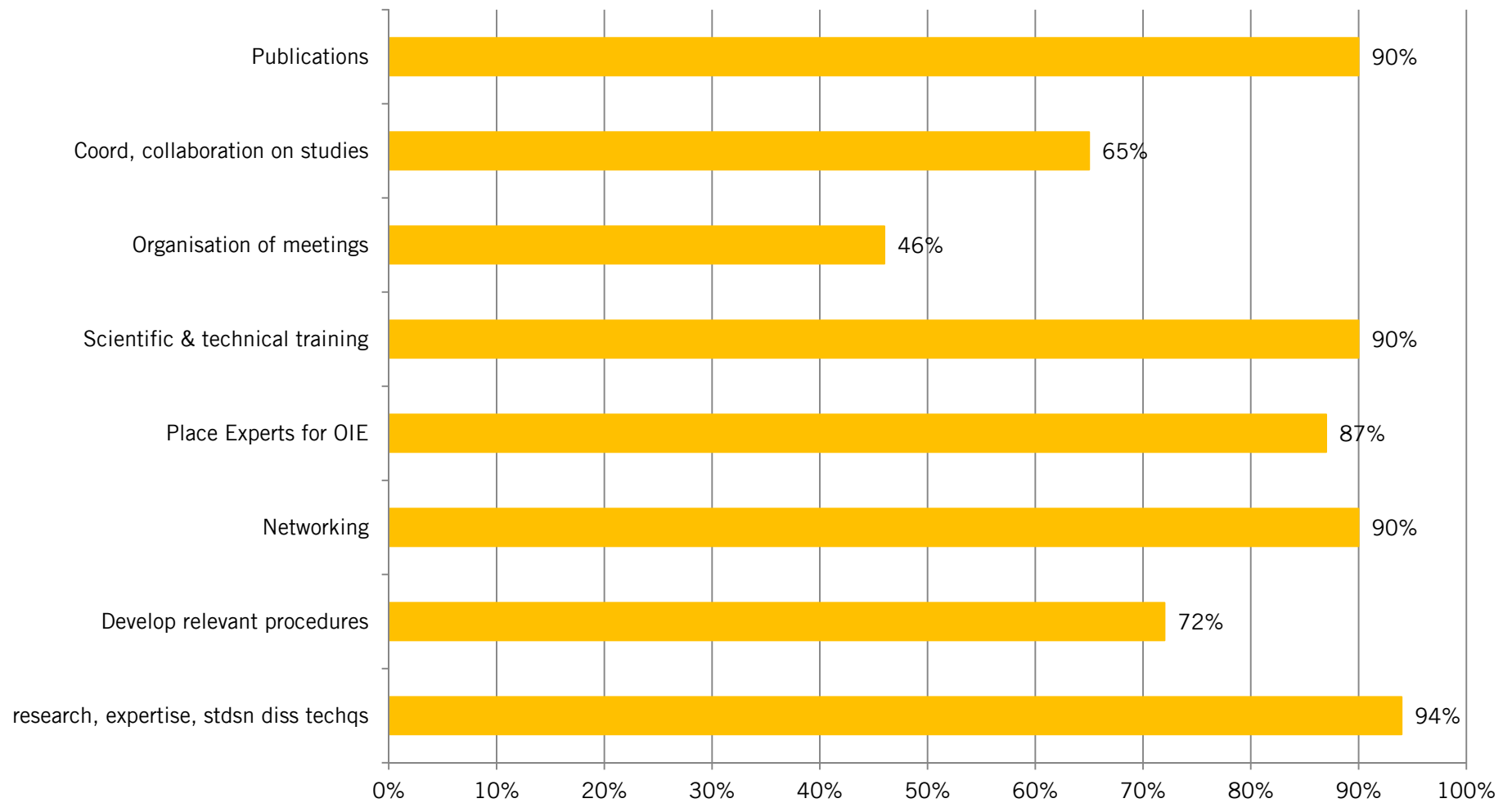
# Africa-based OIE Collaborating Centers

- Training Veterinary Officials, Diagnosing Infectious Animal Diseases and Zoonoses in Tropical Africa  
Ecole Inter-Etats des Sciences et Médecine Vétérinaires (EISMV) de Dakar
- Surveillance and Control of Animal Diseases in Africa  
Onderstepoort Veterinary Institute
- Training in Integrated Livestock and Wildlife Health and Management  
University of Pretoria

3 in 2  
countries!

# 2011 Report of CCs activities

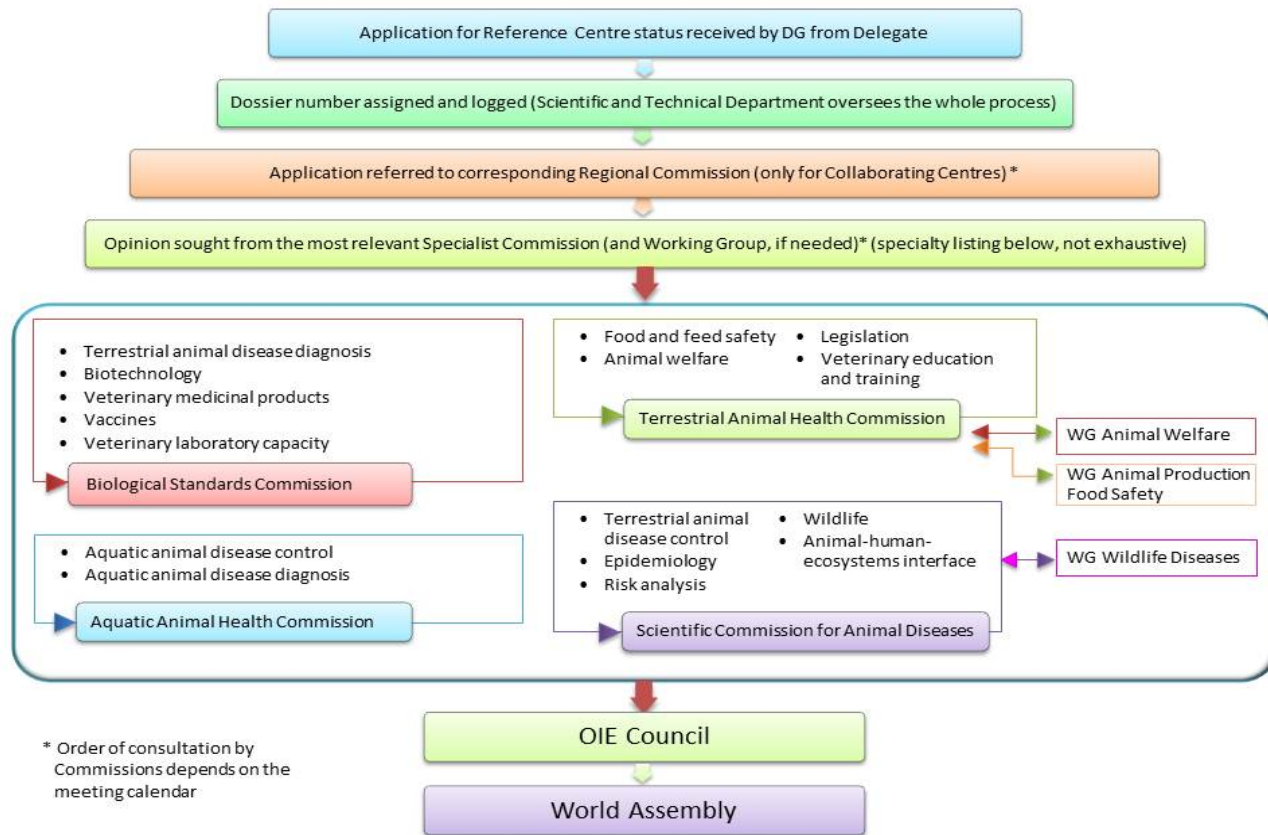
% of CC carrying out activity (2011)







# The Pathway to designation of an OIE Reference Centre





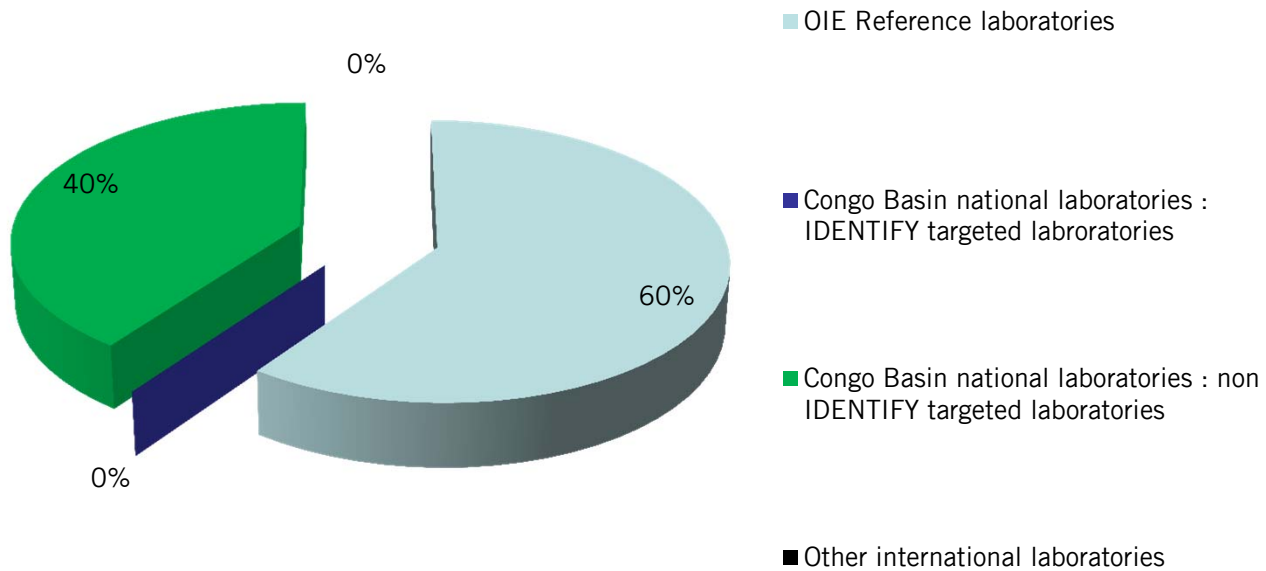
# Reference Centres in Capacity Building

- The International Committee of the OIE adopted, during the 70th General Session, Resolution No. XXI that identified *The Role of OIE Reference Laboratories and Collaborating Centres in Capacity Building for Developing Countries;*



# Some examples

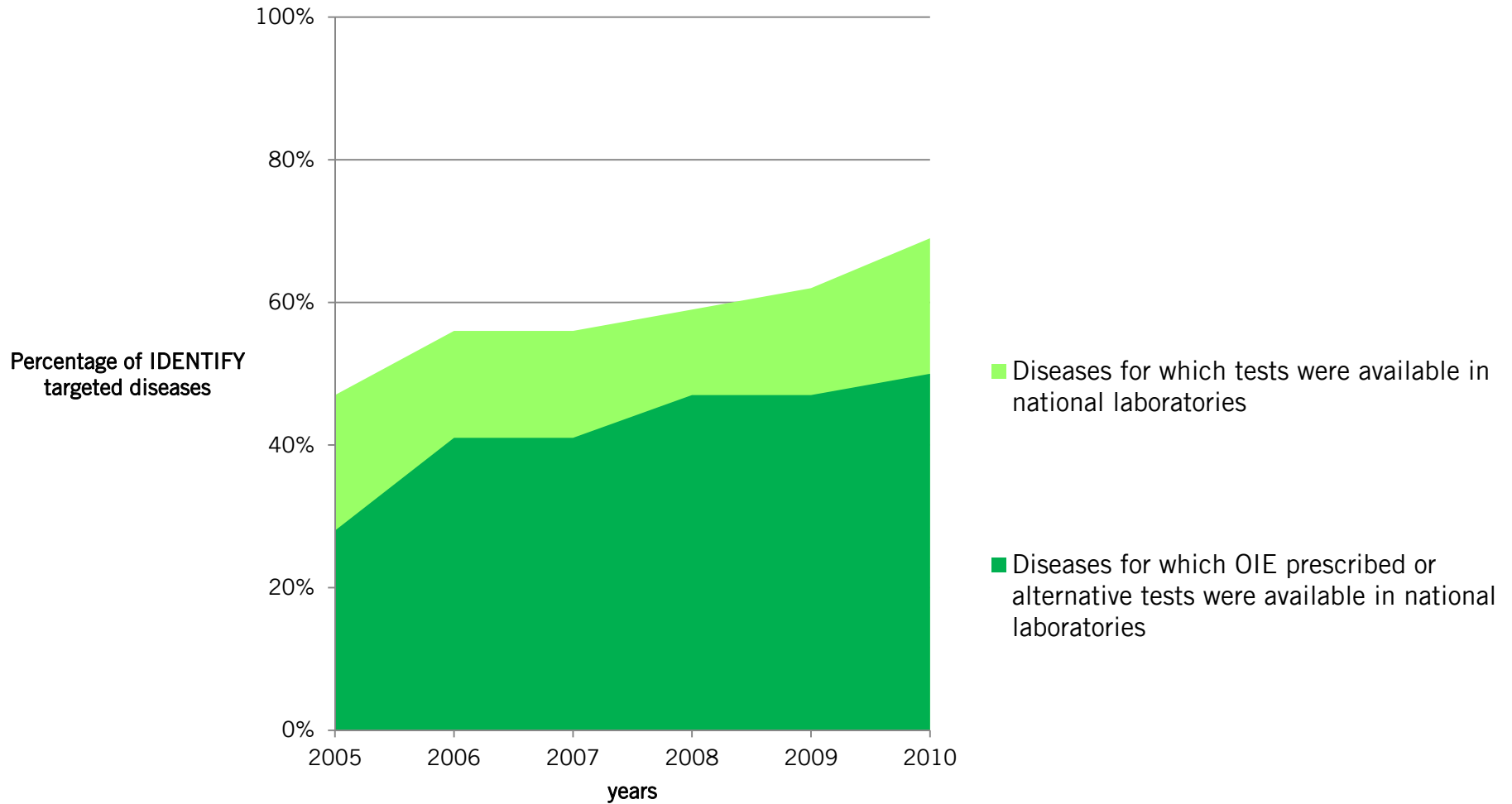
## Types of laboratories used for additional tests - Congo Basin





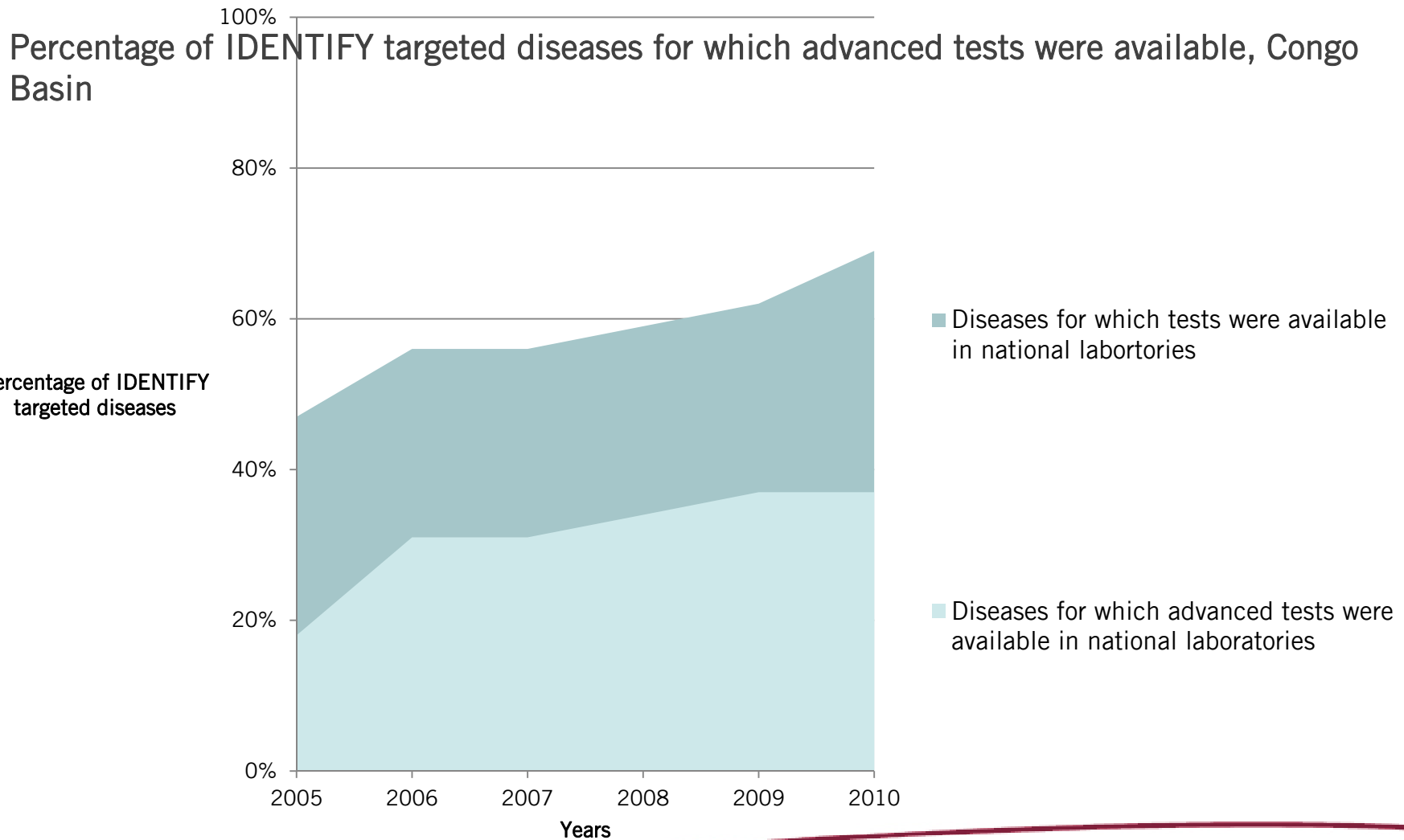
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# Some examples






# Some examples






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# Reference Centres Networks



**Oie**  **OIE-BT-Labnet**

## OIE Bluetongue Reference Laboratories Network

Home News Help Contact ?

► **About**

### Menu

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- ▀ Technical Support
- ▀ OIE Standards
- ▀ Databases

### Links

- ▀ EU bluetongue network
- ▀ GIS resources
- ▀ On line journals
- ▀ Other resources
- ▀ National websites on bluetongue

### Other Links

## ABOUT

### OIE BLUETONGUE REFERENCE LABORATORIES NETWORK

A worldwide network of OIE Bluetongue Reference Laboratories has been instituted under the auspices of the OIE with the aim to improve the knowledge of bluetongue epidemiological situation and to facilitate international trade of live ruminants.


It is a web-based system where laboratory and epidemiological information, including bluetongue virus (BTV) strain genetic characterization (sequences), are made available. It includes a GIS application to facilitate the representation of epidemiological relevant data.

Contact Person

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### Members Area

Welcome :

 **Anonymous**

Access to protected area :

[Password forgotten?](#)

### Google Search

### Latest News

Chemical composition of silage residues sustaining the larval development of the *Culicoides*



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# Thank you for your attention

World Organisation  
for Animal Health

Organisation mondiale  
de la santé animale

Organización Mundial  
de Sanidad Animal

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