



Organisation
Mondiale
de la Santé
Animale

World
Organisation
for Animal
Health

Organización
Mundial
de Sanidad
Animal

OIE Reference Centres : General Overview

Training workshop on OIE standards for collection
and shipping of pathological specimens
Nairobi, KENYA
9 -11 August 2011

A logo for 'IDENTIFY' featuring the word in bold red letters. A magnifying glass is positioned over the 'Y', and the background shows a grid of small, light-colored circular patterns.

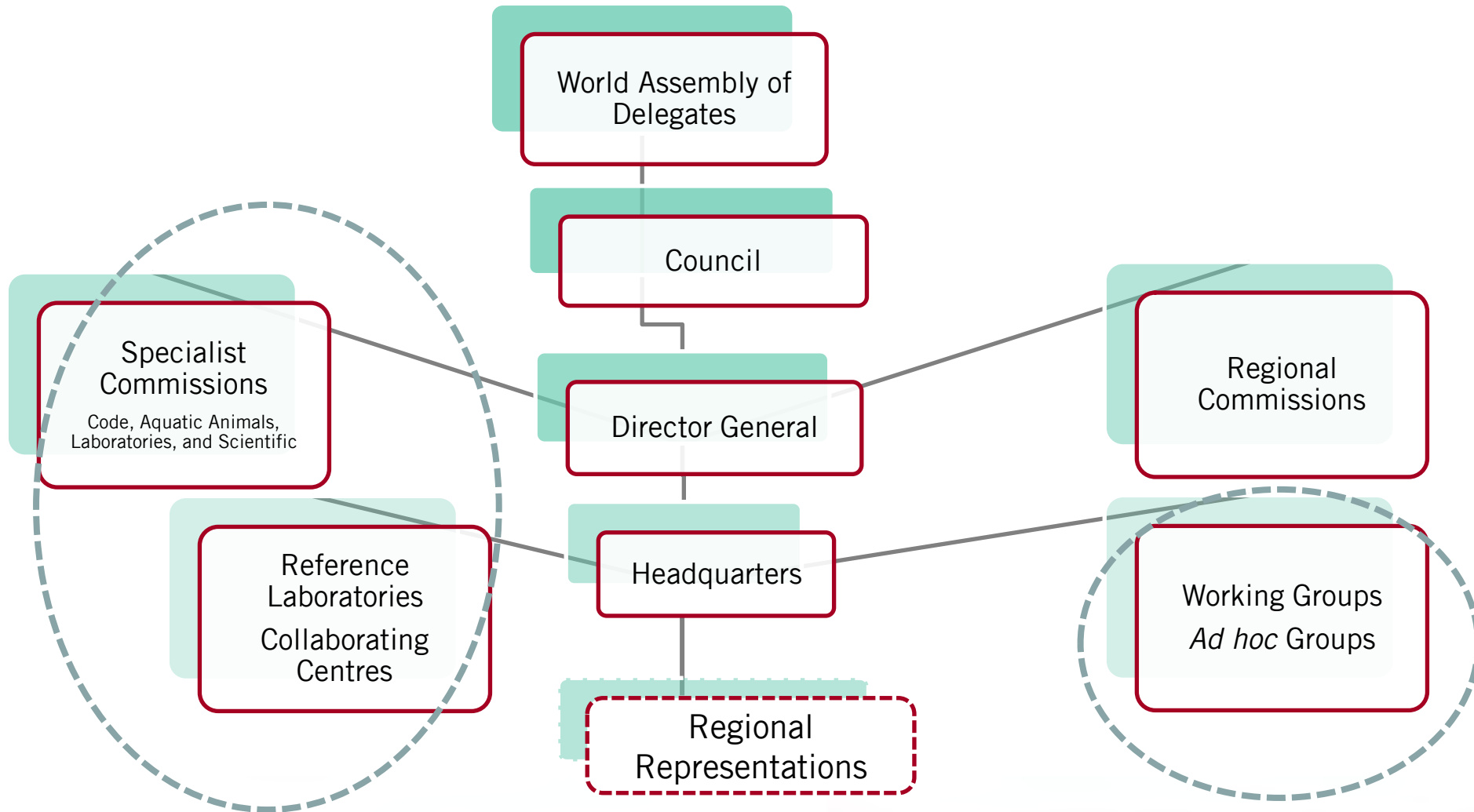
IDENTIFY



Reference Laboratories and Collaborating Centres

GENERAL INTRODUCTION

Governance structure of the OIE



Governance structure of the OIE

Specialist Commissions 2/2

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 (265 worldwide in 6/2011).

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.

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

- In the case of 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

OIE Reference Laboratories and Experts

- Are designated to pursue all the scientific and technical problems relating to a named disease or a specific topic

OIE Reference Laboratories and Experts

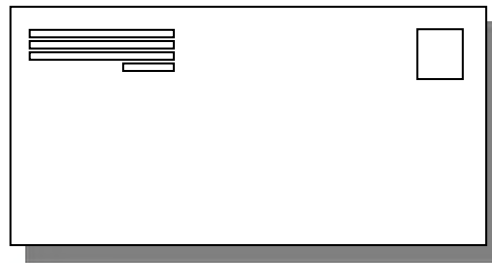
- Must fulfil the role of centres of expertise and standardisation of methodology for its designated disease(s) or topics
- Centres of data processing, standardisation of diagnostic protocols, preparation and distribution of reference reagents, research, technical consultation and training
- Contribute to publication and dissemination of information

Notification of Animal Diseases including Zoonoses

- The General Assembly Decision of 2004 determined that OIE Reference Laboratories must immediately communicate positive findings of a reportable disease to the veterinary authority of the respective Member Country and to the OIE
- Prior to publishing these results and if the biological sample is provided by a country other than that in which the RL is located OIE needs the agreement by the respective Member Country and a precise identification of the origin of the samples

Notification of Animal Diseases including Zoonoses

In the event of positive findings RLs are required to **immediately inform the OIE Delegate of the Member Country or Territory from which the samples originated as well as the OIE Headquarters**



Notification of Animal Diseases including Zoonoses

Requirements for confirmations prevent a premature or erroneous report from a laboratory

- A Delegate who does not share information about the possible occurrence of a disease has no grounds for objection if the OIE informs other Members
- The OIE may also report unofficial (but reliable) information of global health concern

OIE Collaborating Centres

- 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 vet officials, veterinary drugs etc.)
- Their activities are global in coverage and not necessarily laboratory based
- A large part of their work is of particular importance to developing countries

The OIE Network of Reference Laboratories and Collaborating Centres

	Reference Laboratories	Collaborating Centres	Total
Number	225	40	265
Countries	37	21	42*
Diseases/ Topics	111	38	149
Experts	166	-	-

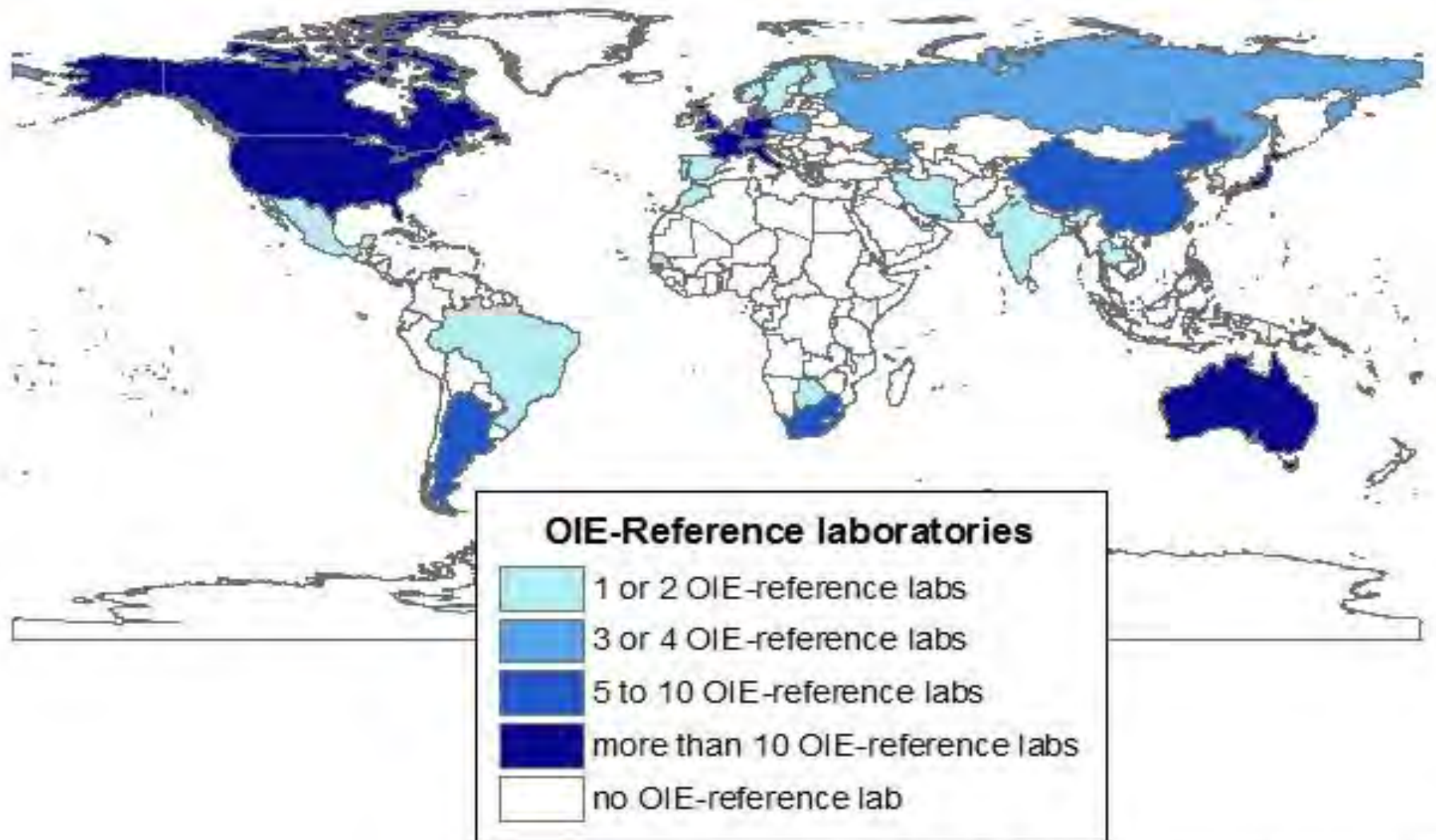
**Countries hosting both labs and centres are not counted twice*

The OIE Network of Reference Laboratories

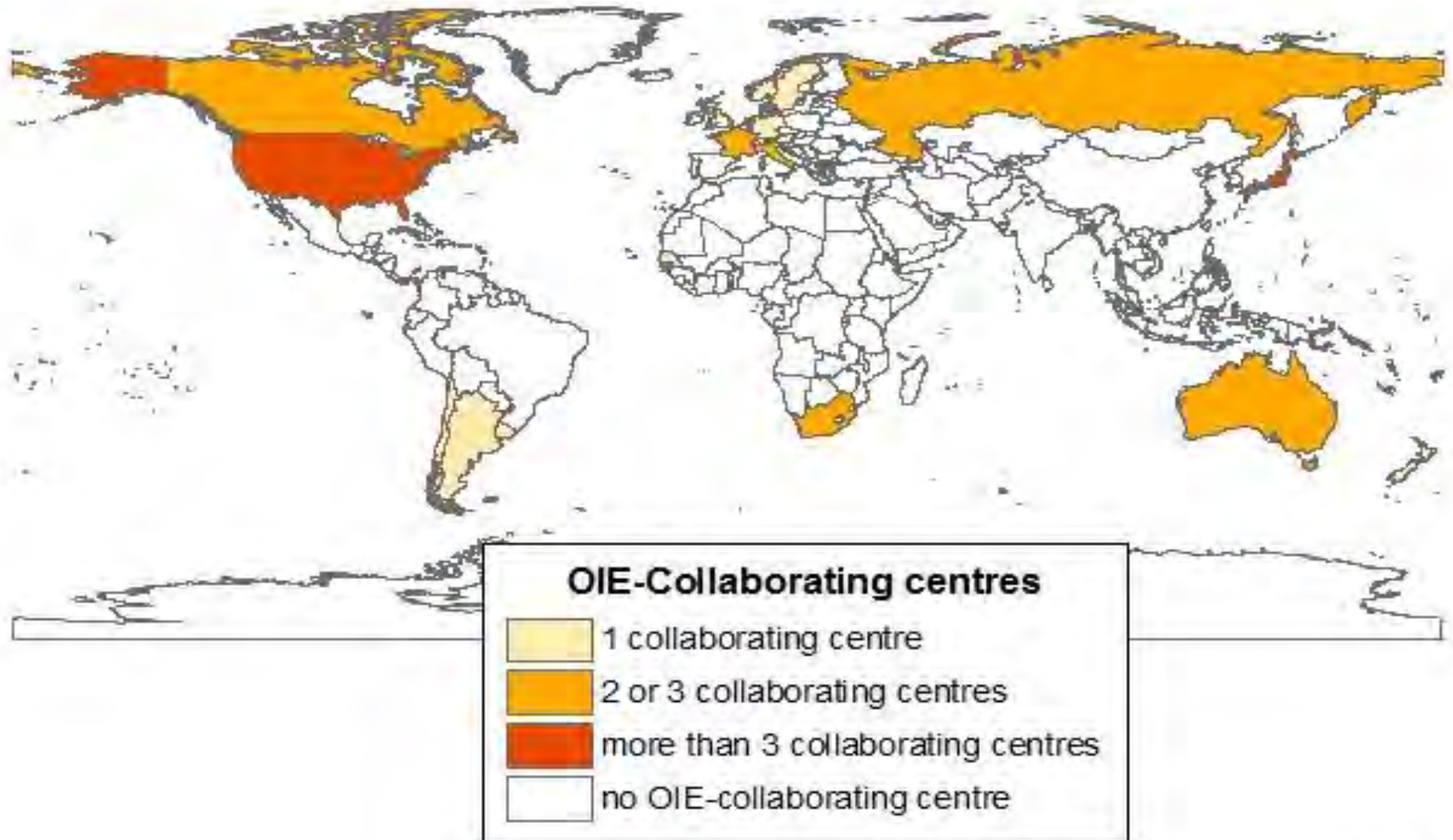
Region	Number of Labs	No. of countries hosting
Africa	11	4*
The Americas	65	6
Asia, Far East & Oceania	41	7
Europe	105	18
Middle East	3	2
TOTAL	225	37

* BW, RSA, Maroc, Senegal

World distribution of the OIE-Reference Laboratories

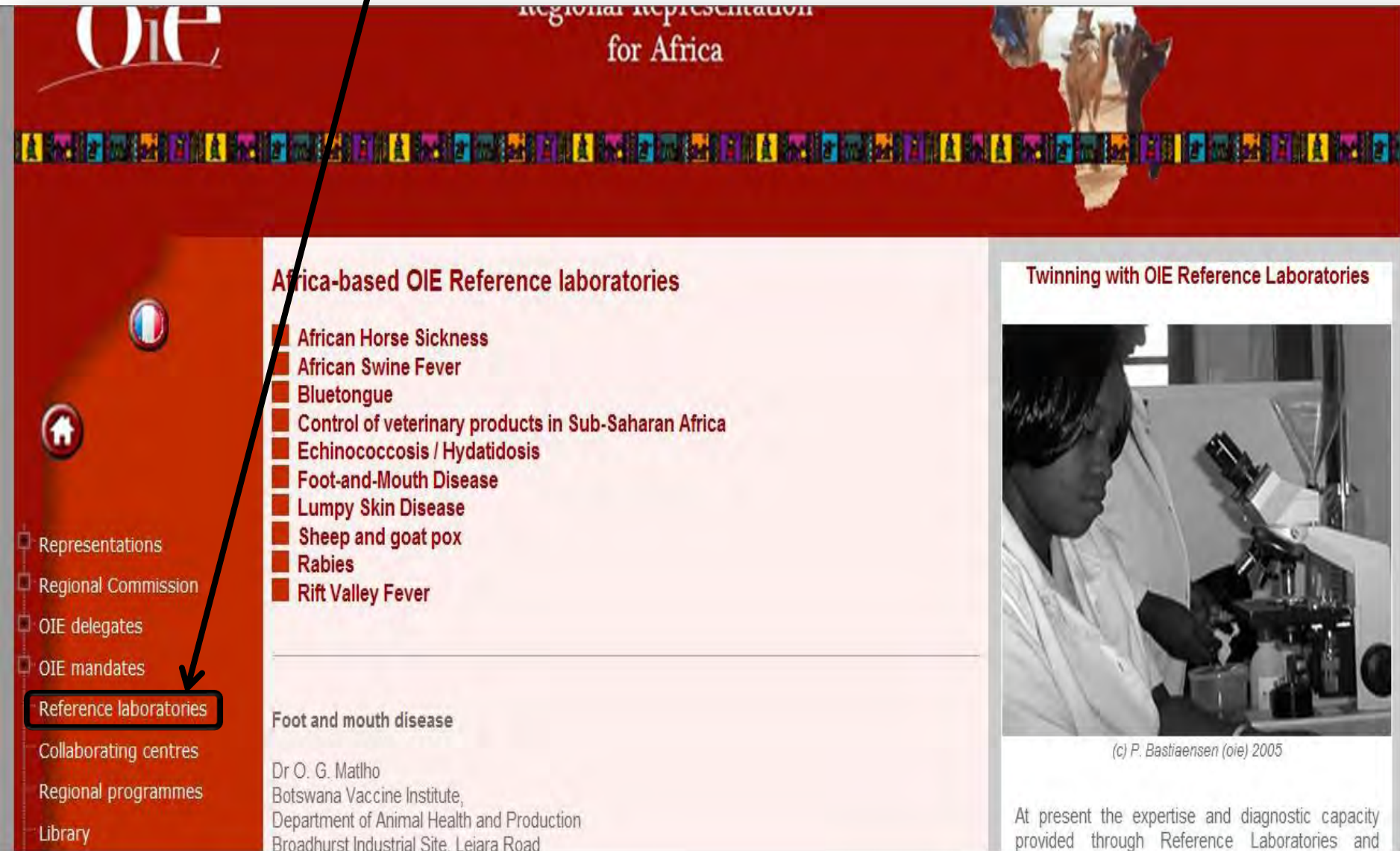


World distribution of the OIE-Collaborating Centres



Africa Region web site: www.rr-africa.oie.int/

Reference Laboratories



The screenshot shows the OIE Africa Region website. At the top, the OIE logo is on the left, and the text "Regional representation for Africa" is in the center. To the right is a map of Africa with a photograph of animals. Below this is a decorative border. On the left is a navigation menu with icons for Representations, Regional Commission, OIE delegates, OIE mandates, Reference laboratories (highlighted with a red box and an arrow), Collaborating centres, Regional programmes, and Library. The main content area is titled "Africa-based OIE Reference laboratories" and lists several diseases with red square icons: African Horse Sickness, African Swine Fever, Bluetongue, Control of veterinary products in Sub-Saharan Africa, Echinococcosis / Hydatidosis, Foot-and-Mouth Disease, Lumpy Skin Disease, Sheep and goat pox, Rabies, and Rift Valley Fever. Below this list, under the heading "Foot and mouth disease", is the contact information for Dr O. G. Matlho at the Botswana Vaccine Institute. On the right side, there is a section titled "Twinning with OIE Reference Laboratories" featuring a photograph of a person in a lab coat using a microscope, with a caption "(c) P. Bastiaensen (oie) 2005" and a paragraph of text.

OIE

Regional representation
for Africa

Africa-based OIE Reference laboratories

- African Horse Sickness
- African Swine Fever
- Bluetongue
- 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

Foot and mouth disease

Dr O. G. Matlho
Botswana Vaccine Institute,
Department of Animal Health and Production
Broadhurst Industrial Site, Leiara Road

Twinning with OIE Reference Laboratories

(c) P. Bastiaensen (oie) 2005

At present the expertise and diagnostic capacity provided through Reference Laboratories and

Africa Region web site: www.rr-africa.oie.int/ Collaborating Centres

Centres Collaborateurs de l'OIE basés en Afrique

Surveillance et contrôle des maladies animales en Afrique

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Formation en santé et gestion intégrées du bétail et de la faune

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(c) ARC (OVI) 2005 & 2008

- Représentations
- Commission Régionale
- Délégués OIE
- Mandats OIE
- Labos de référence
- Centres collaborateurs**
- Programmes régionaux
- Bibliothèque
- Contacts
- Liens

Summary

- One of OIE Priority Missions:
 - **Scientific Excellence**
 - The OIE collates, analyses and publishes latest scientific information and control methods for animal diseases, including zoonoses in order to help Members to improve disease prevention and control methods that includes laboratory diagnosis.
 - Information emanates chiefly from the growing global network of 265 OIE Reference Centres



The IDENTIFY Project is jointly implemented by



World Health
Organization

and is sponsored by the Emerging Pandemic
Threats Program (EPT) of



USAID
FROM THE AMERICAN PEOPLE

Thank you for your attention

Organisation mondiale
de la santé animale

World Organisation
for Animal Health

Organización Mundial
de Sanidad Animal