

# **OIE Reference Laboratories and Collaborating Centres: a general overview**

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# OIE Standards, Guidelines and Recommendations

- **Founded on:**
  - Objective criteria
  - Scientifically valid evaluations provided by independent experts
- **This fundamental requirement led to the establishment of:**
  - Specialist Commissions, for example the Biological Standards Commission, founded in 1949
  - Working Groups

# OIE Standards, Guidelines and Recommendations

- **OIE Member demands grew because of:**
  - Increasing concerns of consumers and public authorities over food safety
  - Intensification of world trade
  - Wider use of risk analysis concept
  - Increased speed in information transmission
  - Rapid acceleration in the impact of scientific and technological progress

# OIE Standards, Guidelines and Recommendations

- **Recognition by the SPS Agreement of the World Trade Organization as international points of reference:**

- Diagnostics tests (*Manuals*)
- Disease free areas
- Surveillance (*Codes*)
- Disease control measures (*Codes*)

OIE Expertise of Reference Laboratories and Collaborating Centres

A rectangular box with a blue border contains the text 'OIE Expertise of Reference Laboratories and Collaborating Centres'. Four blue arrows point from the box to the four items in the list: 'Diagnostics tests (Manuals)', 'Disease free areas', 'Surveillance (Codes)', and 'Disease control measures (Codes)'.

## OIE Expertise

**It was necessary to strengthen the OIE's expertise capabilities to respond even more effectively to the requirements of its Members**

# 1991: a network is born

- In response to a questionnaire, the Biological Standards Commission select 75 laboratories to be proposed for designation by the International Committee as OIE Reference Laboratories and one to be proposed as OIE Collaborating Centre
- Laboratories for diseases of aquatic animals were designated later
- In 1993 official mandates and rules were formally adopted

# 1991: a network is born

- **A network of expertise that could provide advice and aid on, for example:**
  - technical and scientific matters
  - the basis for the setting of international standards
- **International points of reference for disease diagnosis, prevention and control**
- **Constitutes the central core of the OIE's scientific excellence**

# OIE Reference Laboratories and Experts

- **Must fulfil the role of centres of expertise and standardisation of methodology in their particular disease**
- **Centres for data processing, standardisation of diagnostic protocols, preparation and distribution of reference reagents, research, technical consultation and training**
- **The Expert should be a leading and active researcher**

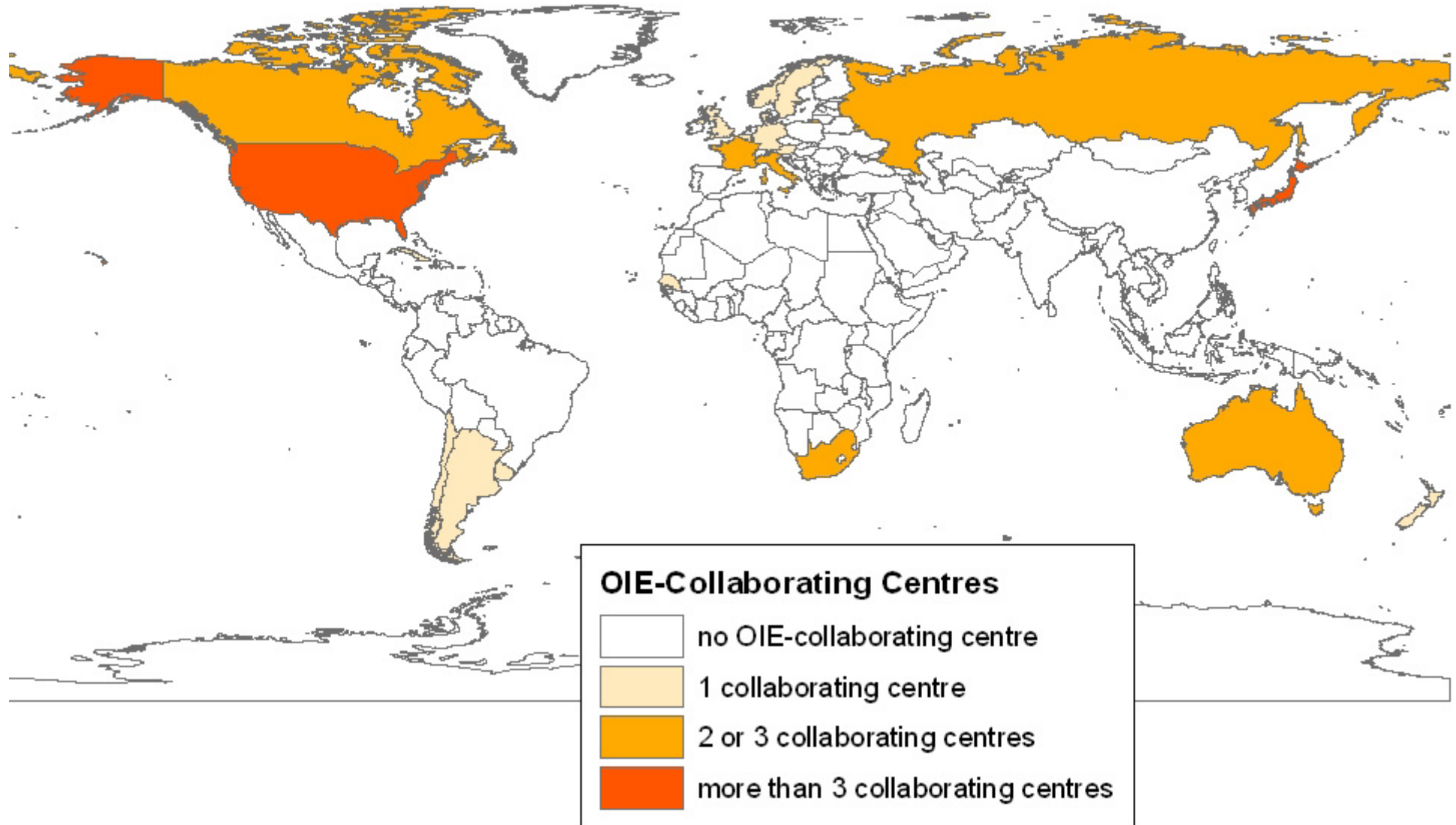




# OIE Collaborating Centres

- Cover a specialised sphere of activities rather than a given animal disease
- Activities are global in coverage
- A large part of their work is of particular help to developing countries
- Not necessarily laboratory based

# World Distribution of the OIE- Collaborating Centres

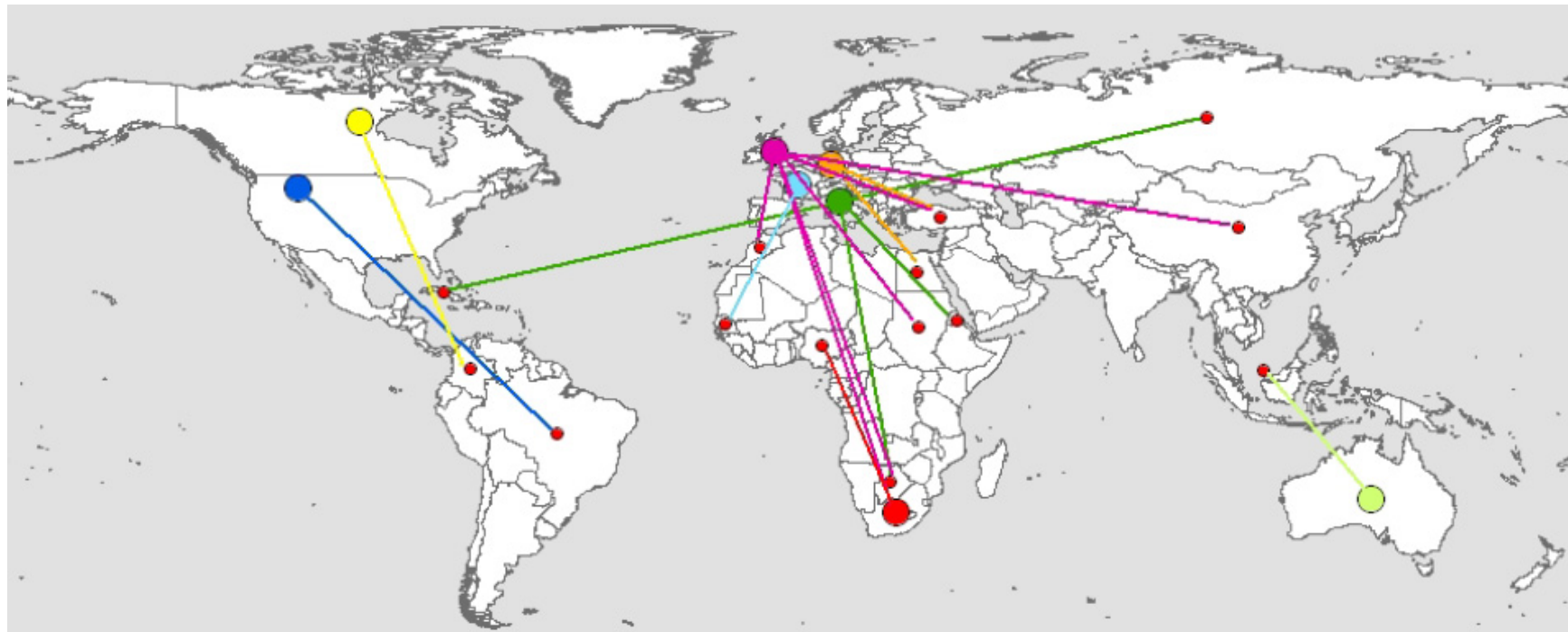


## Summary of the number of OIE Reference Laboratories and Collaborating Centres in 2010

	Reference Laboratories	Collaborating Centres	Total
<b>Number</b>	190	37	<b>227</b>
<b>Countries</b>	36	21	<b>41*</b>
<b>Diseases or Topics</b>	101	35	<b>136</b>
<b>Experts</b>	163	37	<b>198</b>

*\*Countries hosting both labs and Centres are not counted twice*

# Twinning to achieve better geographical balance (May 2010)



# OIE List of diseases (May 2010)

## Diseases for which there is no OIE Reference Laboratory

### Multiple species diseases

- Epizootic haemorrhagic disease
- Japanese encephalitis
- Old world screwworm (*Chrysomya bezziana*)
- Q fever

### Cattle diseases

- Bovine anaplasmosis
- Haemorrhagic septicaemia
- Trichomonosis

### Sheep and goat diseases

- Nairobi sheep disease

### Swine diseases

- Porcine cysticercosis

### Avian diseases

- Avian infectious bronchitis
- Avian infectious laryngotracheitis
- Duck virus hepatitis
- Fowl cholera
- Fowl typhoid
- Pullorum disease

### Lagomorph diseases

- Myxomatosis

### Other diseases

- Leishmaniosis

# OIE Reference Laboratories & Collaborating Centres

- **OIE is committed to:**
  - expanding and strengthening this network of expertise
  - creating synergy so as to continue to meet the emerging challenges in a globalising world
- **All participating institutions in the network must share a common vision and regularly communicate**

# Thank you for your attention

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