

**OIE Regional Seminar for OIE Focal Points for Aquatic Animals
Accra, Ghana
20-22 March 2012**

OIE Reference Laboratories, Collaborating Centres, and Laboratory Twinning

Gillian Mylrea

OIE Reference Laboratories

- Part of OIE's scientific network, providing expertise and support to OIE Members;
- designated to pursue all the scientific and technical problems relating to a named disease or specific topic;

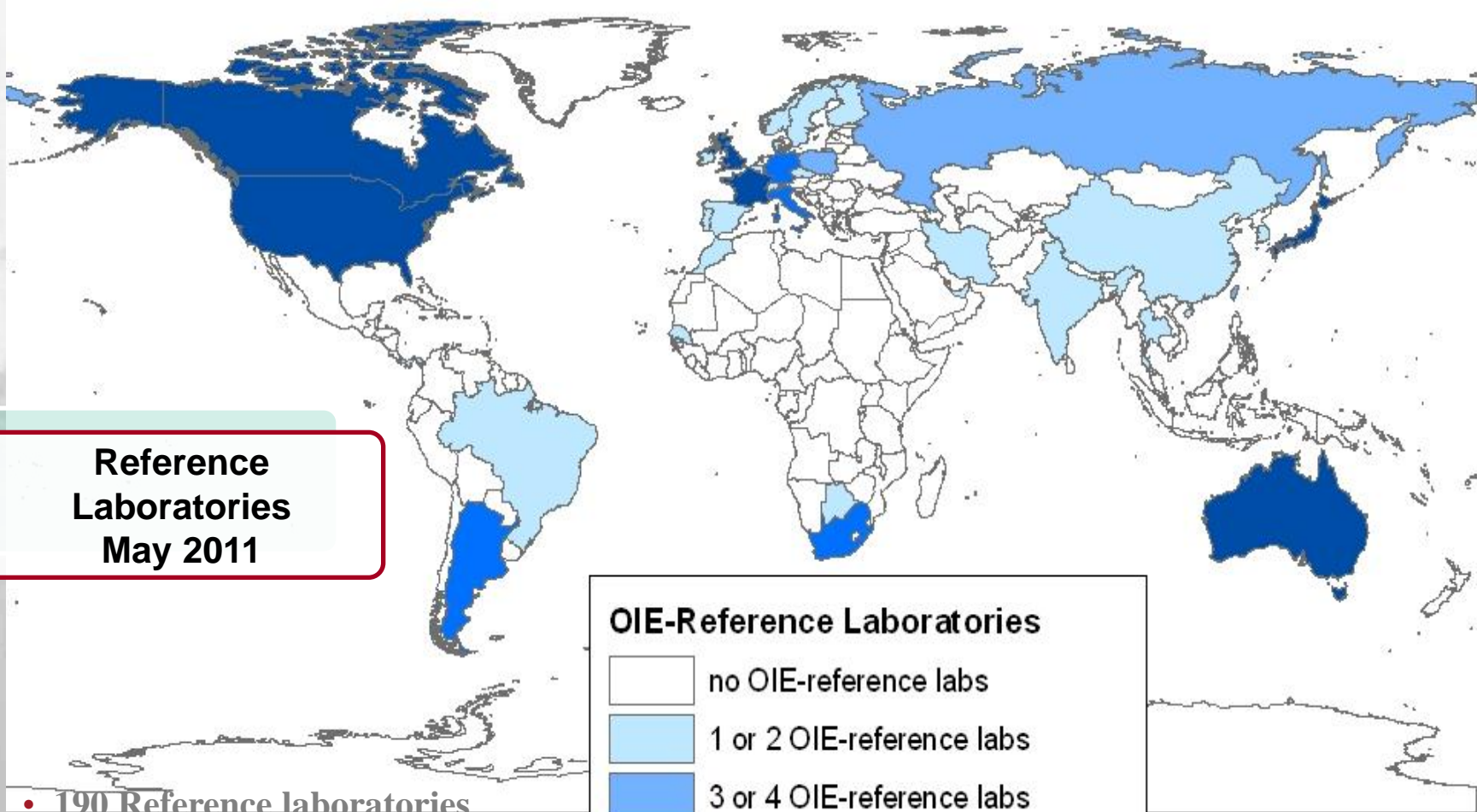
Terms of reference:

- 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 any other reagents used in the diagnosis and control of the designated pathogens or diseases;
- 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;

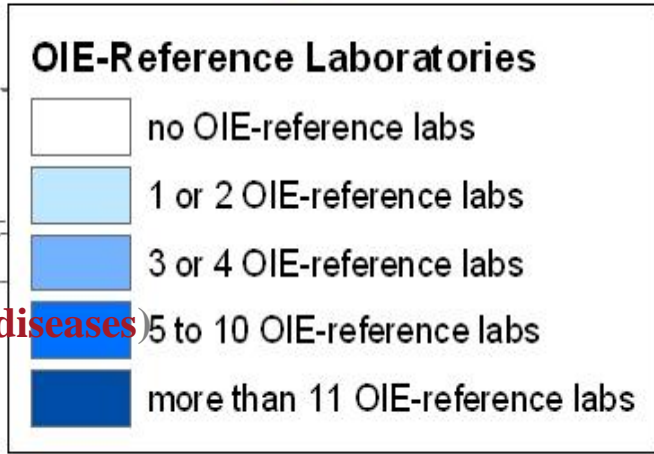
Terms of reference:

- 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 and the disease concerned;
- To organise and participate in scientific meetings on behalf of the OIE;
- To establish and maintain a network with other OIE Reference Laboratories designated for the same pathogen or disease and organise regular inter-laboratory proficiency testing to ensure comparability of results;
- To organise inter-laboratory proficiency testing with laboratories other than OIE Reference Laboratories for the same pathogens and diseases to ensure equivalence of results;
- To place expert consultants at the disposal of the OIE.

The OIE's scientific excellence

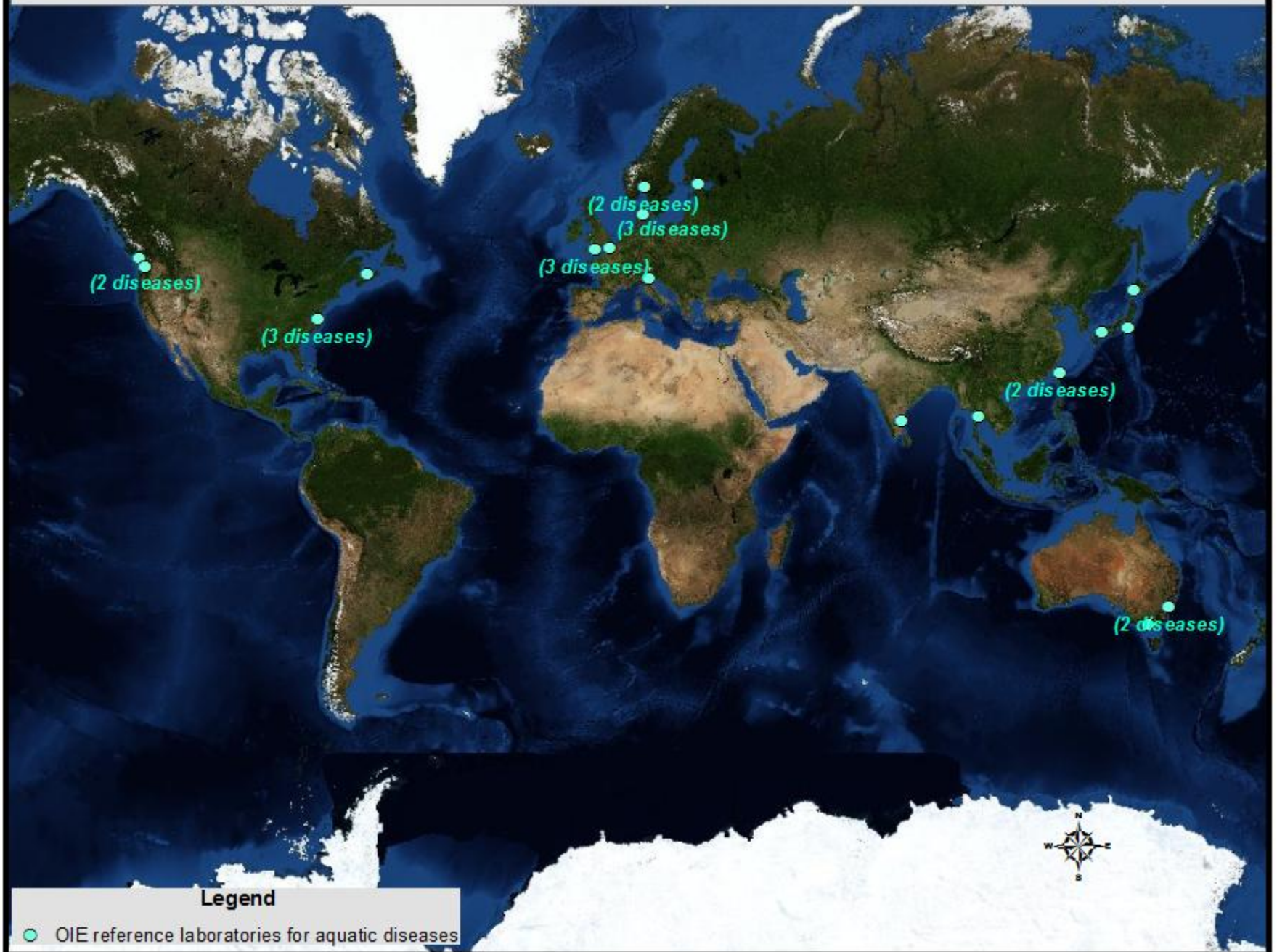


**Reference Laboratories
May 2011**



- 190 Reference laboratories
- 101 diseases or topics (**33 aquatic diseases**)
- 161 experts (team leaders)

OIE REFERENCE LABORATORIES FOR AQUATIC DISEASES



Aquatic OIE Reference Laboratories

Currently:

27 RLs for the OIE listed aquatic animal diseases (25 of the 26);

10 RLs for 12 de-listed diseases.

- each RL is under the guidance of an expert whose competence is recognised internationally;
- expert is approved by the OIE World Assembly of Delegates;
- expert must be a leading and active researcher;
- expert must submit an Annual Report of RL activities to the OIE;
- RL must notify the OIE if the expert leaves.

If the RL confirms a positive for OIE listed diseases, the RL should immediately inform the OIE Delegate of the Member as well as the OIE Headquarters



- Our scientific expertise
 - > Overview
 - Collaborating Centres
 - > Reference Laboratories**
 - > Terms of reference
 - > List of Laboratories
 - > Map and networks
 - > Annual reports
 - > Proficiency testing
 - > Criteria and internal rules
 - > Guidelines for applicants
- > OFFLU, the animal influenza network
- > Certification of Diagnostic tests
- > Specific information and recommendations

Reference Experts and Laboratories

African horse sickness

+ **Dr Baratang Alison Lubisi**
Onderstepoort Veterinary Institute
Agricultura Research Council
Private Bag X05
Onderstepoort 0110
SOUTH AFRICA
Tel: +27-12 529 91 17 Fax: +27-12 529 94 18
Email: lubisia@arc.agric.za

+ **Dra. Concepción Gómez-Tejedor Ortiz (1)**
Ministerio de Agricultura, Pesca y Alimentación
Laboratorio Central de Veterinaria
LCV-Algete, Ctra. Algete Km 8
28110 Algete (Madrid)
SPAIN
Tel: +34-91 347.92.77 Fax: +34-91 629.05.98
Email: cgomez@mapa.es

+ **Dr José Manuel Sánchez-Vizcaíno (2)**
Centro de Vigilancia Sanitaria Veterinaria (VISAVET)
Facultad de Veterinaria
HCV Planta sótano
Universidad Complutense de Madrid (UCM)

- > WAHID
- > Online bookshop
- > For the media
- > OIE world conferences
- > Document database

OIE Collaborating Centres



Terms of reference:

- To provide services to the OIE, in particular within the region, in the designated specialty, in support of the implementation of OIE policies and, where required, seek for collaboration with OIE Reference Laboratories;
- To propose or develop methods and procedures that facilitate harmonisation of international standards and guidelines applicable to the designated specialty;
To carry out and/or coordinate scientific and technical studies in collaboration with other centres, laboratories or organisations;
- To collect, process, analyse, publish and disseminate data and information relevant to the designated specialty;
- To provide, within the designated specialty, scientific and technical training to personnel from OIE Member Countries;



OIE Collaborating Centres

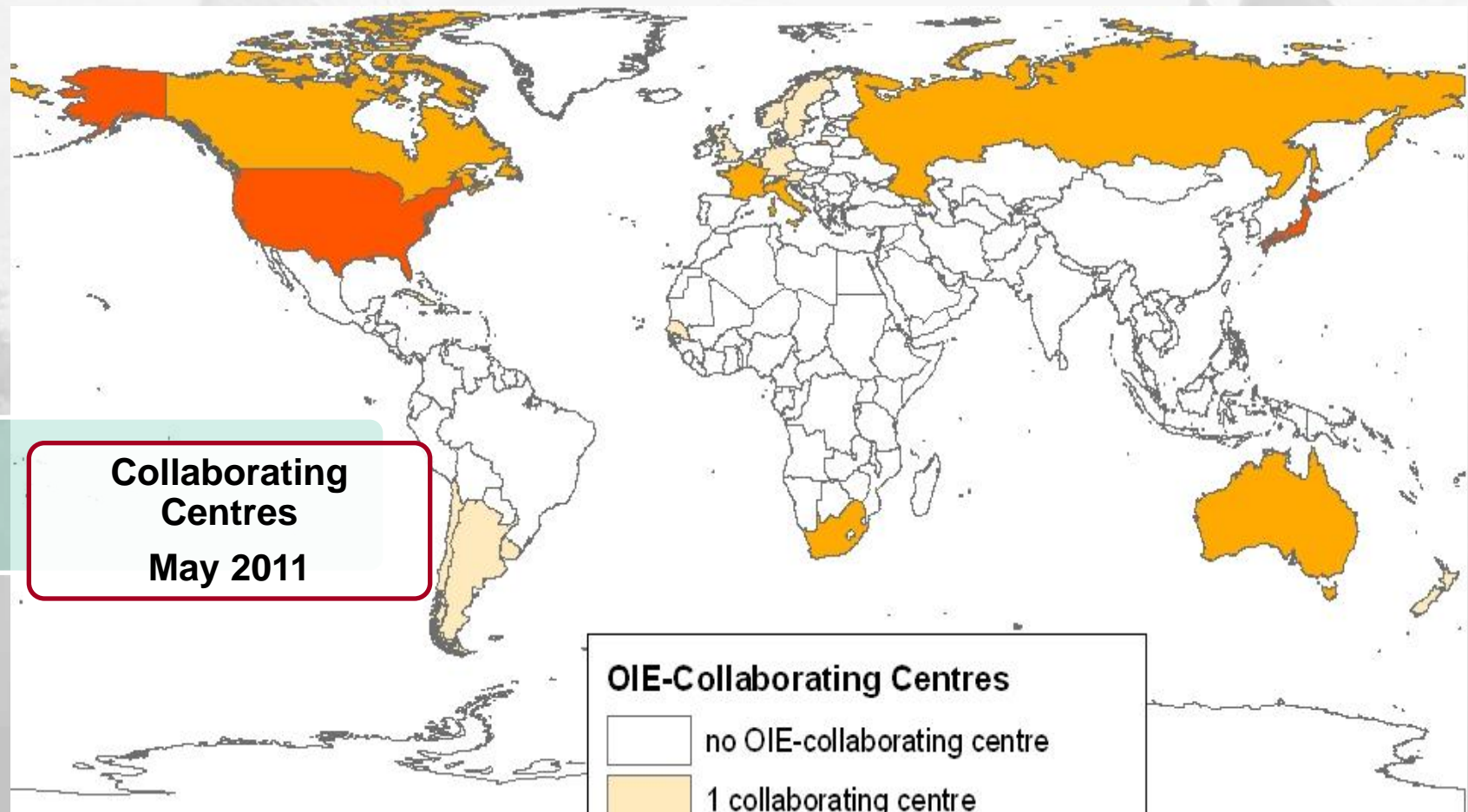


Terms of reference:

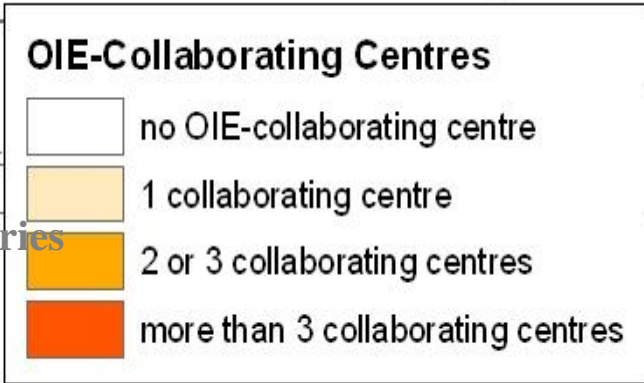
- To organise and participate in scientific meetings and other activities on behalf of the OIE;
- To identify and maintain existing expertise, in particular within its region;
- To establish and maintain a network with other OIE Collaborating Centres designated for the same specialty, and should the need arise, with Collaborating Centres in other disciplines;
- To place expert consultants at the disposal of the OIE.



The OIE's scientific excellence

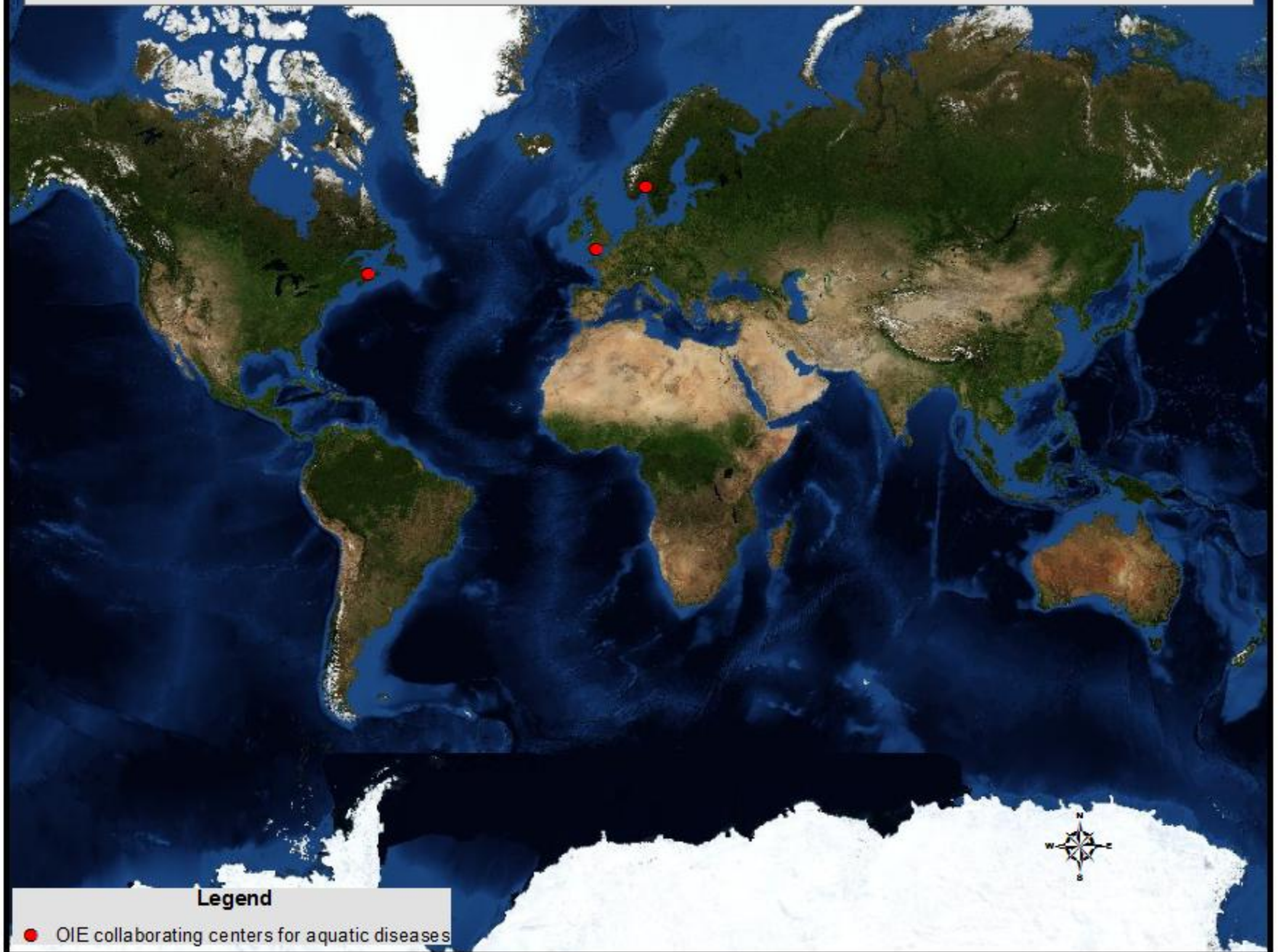


**Collaborating Centres
May 2011**



- 37 Collaborating Centres in 21 countries
- 35 topics (**2 aquatic animal issues**)
- 37 experts (team leaders)

OIE COLLABORATING CENTERS FOR AQUATIC DISEASES



OIE Collaborating Centres for Aquatic Animal Diseases



OIE Collaborating Centre for Information on Aquatic Animal Diseases

The Centre for Environment, Fisheries & Aquaculture
Science (CEFAS), UK

OIE Collaborating Centre for Epidemiology and Risk Assessment of Aquatic Animal Diseases

Canada and Norway – adopted at GS in May 2010

Contact details of CCs are listed on the OIE website www.oie.int



Laboratory Twinning



Sustainable enhancement of capacity and expertise by supporting a link between an OIE RL or CC (parent) and a national laboratory (candidate)

Aims and objectives - expertise

- To build scientific communities and improve compliance with OIE standards
- Improved access to high quality diagnostics and technical assistance for more OIE Member
- Eventually for some Candidates to apply for 'reference' status
- To help countries to enter scientific debate on an equal footing with others

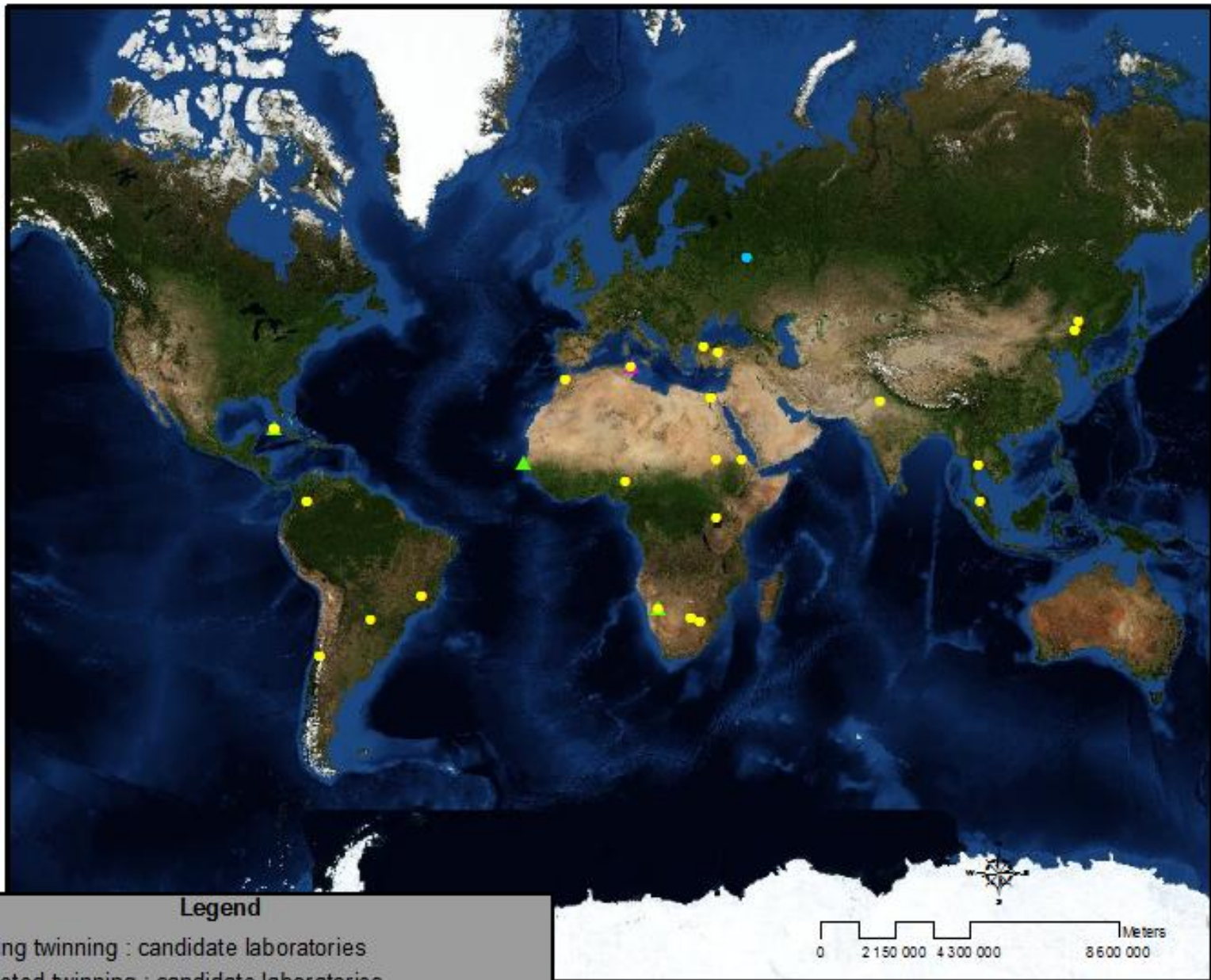
Aims and objectives - networking

- Extend the OIE network of expertise to provide better global geographical coverage for priority diseases in priority areas
- To form long and lasting links between the two institutes
- Strengthen global disease surveillance networks
- To strengthen national scientific networks

Scope

- Project length is 1-3 years
- For OIE listed diseases or topics
- Focus on expertise
- No funding for hardware or upgrading of facilities
- Ultimate aim to reach OIE reference status

TWINNING : CANDIDATE LABORATORIES AND COLLABORATING CENTERS

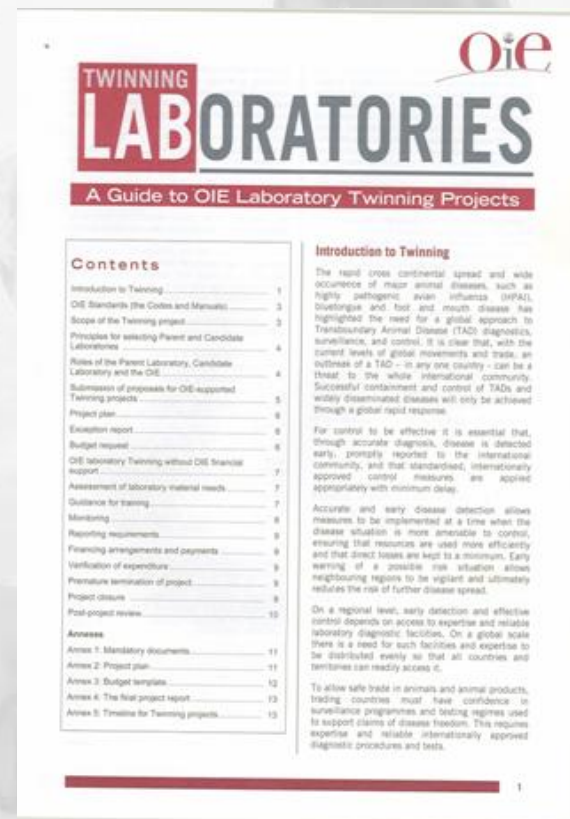


Legend

- On going twinning : candidate laboratories
- Completed twinning : candidate laboratories
- ▲ On going twinning : candidate collaborating centers
- ▲ Due to commence twinning : candidate collaborating centers

Twinning Guide and Project Template/Contract

- Background
- How to apply/proposal
- Basic project management
- Project plan (objectives, stages)
- Regular monitoring
- Facilitates efficient applications
- Formalises agreement



Available on OIE website at www.oie.int

A large, faint background image of a school of fish, likely a species of surgeonfish, swimming in clear water. The fish are rendered in a light, semi-transparent style, creating a sense of depth and movement.

Thank you