OIE Laboratory Twinning

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International Standards

Technical advice

Surveillance

Research

Reagent production

Early detection

Confirmatory diagnosis

Food safety

Biosafety and biosecurity
• OIE Reference Laboratories – expertise in surveillance and control of a named disease

• OIE Collaborating Centres – expertise in a specific designated sphere of competence e.g. epidemiology, emerging avian diseases, zoonoses, veterinary medicinal products
Expertise allows members to

• Detect disease early and control it rapidly

• Readily apply guidelines and standards of OIE

• Develop science-based policies

• Debate OIE scientific justification for standards on an equal footing with other Members (better representation)

• Develop and sustain scientific communities
World Distribution of the OIE's Collaborating Centres and Reference Laboratories
Extending the network of capacity, expertise and standards through Twinning

- To provide regional support for diseases and topics that are a priority in that region
- To provide better global geographical coverage
- To provide better coverage in developing and transition countries
- Ultimately to provide improved access for more countries to high quality diagnostics and expertise
Each Twinning Project...

- Aims to improve expertise and diagnostic capacity to meet OIE standards
- Should be sustainable once the project is over
- Some Candidate labs may eventually apply for OIE Reference Laboratory status when they are able to meet the mandate
Mandate of OIE Reference Labs

• to function as a centre of expertise and standardisation for a designated disease(s) or topics;
• to store and distribute to national laboratories biological reference products and any other reagents used in the diagnosis and control of the designated disease(s) or topics;
• to develop new procedures for diagnosis and control of the designated disease(s) or topics;
• to gather, process, analyse and disseminate epizootiological data relevant to their speciality;
• to place expert consultants at the disposal of the Office International des Epizooties
Mandate of OIE Reference Labs

- provision of scientific and technical training for personnel from Member Countries of the Office;
- provision of diagnostic testing facilities to Member Countries:
- In the case of results that are confirmed positive for diseases that are reportable to OIE, the Reference Laboratory should immediately inform the OIE Delegate of the Member Country from which the samples originated as well as the OIE Central Bureau;
- organisation of scientific meetings on behalf of the Office;
- coordination of scientific and technical studies in collaboration with other laboratories or organisations;
- publication and dissemination of any information in their sphere of competence which may be useful to Member Countries of the Office.
OIE support

- For exchange of knowledge, experience and expertise
- Costs of travel, workshops, training materials
- Not laboratory hardware or consultancy fees
- Costs directly related to objectives of the twinning project
- Cooperation with other capacity building programmes to ensure coordination
OIE lab twinning for avian influenza and Newcastle disease

OIE Reference Labs

Candidate Labs
So far…

- Italy - Russia; avian influenza and Newcastle disease
- UK - China; CSF and rabies
- USA - Brazil; avian influenza and Newcastle disease
- Italy - Eritrea; brucellosis
- Germany - Egypt; Avian influenza and Newcastle disease
- Italy - Cuba; avian influenza and Newcastle disease
- UK - Turkey; brucellosis
- Italy - Cuba; epidemiology
- Italy - Botswana; CBPP
- UK - South Africa; avian influenza and Newcastle disease
- UK - Morocco; bluetongue and African horse sickness
- UK - Botswana; avian influenza and Newcastle disease
- Germany – Turkey; rabies