Brucellosis
OIE Twinning Laboratory Program
France-Thailand

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The OIE Twinning projects

Why:

- “to assist laboratories in developing or in-transition countries to build their capacity and scientific expertise with the eventual aim that some of them could become OIE Reference Laboratories in their own right”

How:

- “a link between an existing OIE Reference Laboratory or Collaborating Centre and another laboratory in a developing or in-transition country must be established for exchange of scientific expertise and capacity building”
- “the twinning concept could imply a transfer of knowledge, training and expertise”
Birth of a collaboration:
FAO-APHCA/OIE Regional Workshops on Brucellosis Diagnosis and Control

1st in Chiang Mai and Lampang, 20-23 October 2008

2nd in Khon Kaen, 08-11 June 2009

First visit of Anses team to NIAH

Recommendations for a twinning project implementation
Three-year project: 2010-2013 (99,000 €)

Main objectives:
- To strengthen the level of expertise in brucellosis serological diagnosis/screening & bacteriological isolation of *Brucella* by culture
- Implementing reference activities
  - *(i)* control and standardisation of diagnostic reagents and vaccines,
  - *(ii)* organization of Regional serology proficiency ring-trials and,
  - *(iii)* *Brucella* typing and molecular detection and identification.
Brucellosis OIE Twinning: Work program

- 3 annual training sessions of NIAH staff at Anses
- 3 visits of Anses to NIAH
- Participation of NIAH to the EU/OIE proficiency RT
  *in order to monitor the progress in the quality of serological testing in NIAH*;
- Collection of large volumes of serum from positive cattle, buffaloes, sheep and goats in order to establish a common serum collection for:
  - the establishment of regional secondary standard sera (standardised against the OIE international standard sera),
  - further organisation of regional ring-trials and,
  - quality assurance and test validation controls
The establishment of a NIAH collection of Brucella strains:

- Reference strains to be provided by AFSSA (type strains and strains for antigen and vaccine production)
- Field strains isolated by NIAH from infected cattle, buffaloes, sheep and goats at the regional level

Assistance in completing the quality assurance system in place (acc. 17025 ISO/CEI std.)

The provision of NIAH with Brucella-phages and monospecific sera for a rapid implementation of Brucella biotyping at NIAH

Assistance in designing research activities:

- sero-prevalence surveys (during the twinning project),
- studies on the distribution, both, geographical and by animal species, of Brucella species in the region.
In conclusion:

The achievement of all project objectives are expected to:

- strengthen the Asia Pacific impact of NIAH
- ensure its capability of implementing regional activities expected from an OIE reference laboratory
- by stimulating an active network of regional diagnostic expertise for the surveillance and control of animal brucellosis

See also the poster (this conference)
ขอบคุณครับ

Thanks for your attention...