



**Activity Title and Number** : Enhancing Laboratory capacity to support animal diseases surveillance; A319-C3

**Beneficiary**: Ministry of Agriculture (MOA)

**Location and Date**: Maisons-Alfort , France; 31 March - 25 April, 2014

**Stakeholders**: Livestock Industry, producer associations and academic institutions

## Brief Activity Report

### Relevance and Impact

During the EU-China agriculture dialogue in March 2012, the EU and China agreed **to cooperate in the area of Laboratory Quality Assurance**. In this context, a series of activities were organised: (i) a roundtable (activity [A138-C3](#)) and a study visit (activity [A166-C3](#)) to establish a road map for the harmonisation and standardisation of animal health reference laboratories; and (ii) a consultation to evaluate the surveillance systems and regional laboratories that are in place for controlling the disease *Zoonosis Brucellosis* in China (activities [A149-C3](#) and [A249-C3](#)).

In April 2014, EUCTP II held this study assignment **to further enhance the capacity of Chinese animal health laboratories to control zoonosis brucellosis**, which is a threat to food safety in China. Building on the previous series of activities on laboratory quality assurance, this study focused on animal disease surveillance to enhance the CAHEC laboratory capacity to become a reference laboratory for brucellosis in China.

### Activity Description

Three Chinese experts from China Animal Health and Epidemiology Center travelled to France to work with the EU experts in charge of the OIE/UE reference laboratory for brucellosis. Six French experts mentored the Chinese experts on control of diagnostic reagents, serology for inter-laboratory ring trials, *Brucella* phenotypic and molecular typing.

Key elements during the study assignment were:

- Introduction to the control of biological materials
- Animal facilities for the Control of biologicals, the case of Brucellin
- Control of iELISA serum
- Control of iELISA milk
- Principles of serology used for inter-laboratory ring trial
- *Brucella* identification & typing



*Bacteria training in the ANSES laboratory*

### Results and Dissemination

- ✓ Enhanced MOA's capacity on zoonotic laboratory diagnosis, data quality assurance and OIE standard procedures which will improve food safety and animal health.
- ✓ Enhanced institutional cooperation between EU and Chinese animal reference laboratories.