



LINKING EPIDEMIOLOGY AND LABORATORY
RESEARCH ON TRANSBOUNDARY ANIMAL
DISEASES AND ZOOSES IN EU AND
CHINA



LinkTADs Event on New Diagnostic Technologies, Coordination of Research and Veterinary Laboratory Systems and Policy

Project Background:

Launched in November 2013, [LinkTADs](#) is a three-year initiative funded by the European Commission's Seventh Framework Programme (FP7) to coordinate European and Chinese research on animal health.

The fight against animal diseases relies heavily on the research community developing new intervention/control tools and strategies. These tools could be in the form of new vaccines and diagnostics, or through improved knowledge and understanding of disease epidemiology.

International collaboration between researchers can speed up these advances by bringing together new ideas, technologies, funds and expertise to solve livestock health challenges. However, there are also many barriers that challenge joint projects. LinkTADs aims to aid in the coordination and facilitation.

The Workshop

To facilitate this dissemination of knowledge and create a forum for the discussion and exchange of ideas, LinkTADs has organized a 3-day event covering some of the most relevant issues concerning veterinary laboratory sciences. The event will take place on **12-14 October** at IAEA facilities in **Vienna, Austria**.

The first session on [New Diagnostic Technologies](#) (12 Oct) will cover some of the latest diagnostic technologies being developed and used, e.g. molecular platforms, high throughput technologies, next generation sequencing, bioinformatics, field applications, etc. There will be opportunity to discuss in an open forum the impact these new technologies may have on future laboratory functions and on animal disease surveillance.

The second session on [Coordination of Research](#) (13 Oct) will aim to describe the main research initiatives in the EU, China and across the globe. An open forum will provide the opportunity to discuss how the EU and China could work together on a research agenda and collaborate on how to fund research, including the pathogens/approaches, as well as networking, research gaps, lessons learned, and improvement targets.

The third session on [Veterinary Laboratory Systems and Policy](#) (14 Oct) will aim to describe and discuss the way veterinary laboratory systems are organized and how policy gets developed and implemented across the different functional levels in the EU, China and internationally. A general discussion session will allow participants to explore and develop opportunities for the coordination of laboratory systems.

We hope you can participate by listening to the excellent talks, participating in the discussion sessions, meeting fellow scientists from China and the EU, and, hopefully, begin building a joint research project with a newly met partner. If interested in participating, please email I.Naletoski@iaea.org



AGENDA

12 October 2015 (Monday) **New Diagnostic Technologies**

Title	Speaker
Overview of LinkTADs and the Main Achievements to Date	Akbar Dastjerdi <i>APHA, Weybridge, UK</i>
Molecular platforms and high throughput technologies and automatic stations for detection of emerging and re-emerging zoonotic diseases, in the one health environment	Sylvie Lecolinet <i>ANSES, France</i>
EU funded project on Next Generation Sequencing for molecular risk assessment (COMPARE)	Marion Koopmans <i>RIVM, the Netherlands</i>
Human health applications of new sequencing platforms for routine diagnosis	TBD
How bioinformatics can support new animal disease diagnosis?	Ioannis Xenarios <i>SIB, Switzerland</i>
New diagnostic tools for field application and their role in early diseases detection and rapid enforcement of control measures (RAPIDIA)	Mikael Leijon and Lihong Liu <i>SVA, Sweden</i>
Application of molecular biology testing in China for animal health	Hua-Ji Qiu <i>HVRI, China</i>
Discussion: The impact of new technologies on future laboratory functions and on animal disease surveillance	

13 October 2015 (Tuesday) **Coordination of Research**

Title	Speaker
STAR-IDAZ: Global Coordination of Animal Disease Research	Alex Morrow <i>Defra, UK</i>
Improving opportunities for collaborative research between EU and China <ul style="list-style-type: none"> • Vision of EU research funding in the field of animal health • Description of HORIZON 2020 structure and modalities • Administrative procedures for research funding in EU 	European Commission
Mapping of veterinary research institutions in China and opportunities for research collaboration with European institutions (funding and administration)	TBD
Avian influenza research agendas (OFFLU, US, EU research agendas)	Gwenaelle Dauphin <i>FAO</i>
Discussion: How to work together on the research agenda and fund research?	Moderator: Alex Morrow (Defra) & Gwenaelle Dauphin
Visit to IAEA laboratory in Seibersdorf, Austria	

AGENDA

14 October 2015 (Wednesday) **Veterinary Laboratory Systems and Policy**

Title	Speaker
Formulation EU policy and legislation in animal health and supervision of the animal health surveillance and control programmes in EU - Roles and responsibilities of DG SANTE	TBD
Experience from a head of EU-Ref laboratory: mandate, responsibilities, challenges in disease diagnostics and networking	Emmanuelle Robardet <i>ANSES, France</i>
Translation of EU policy and legislation at the national level	Ulrich Herzog <i>CVO, Austria</i>
Description of the Chinese national laboratory diagnostic veterinary laboratory network: structure, functions, and responsibilities	Zhai Xinyan <i>CADC, China</i>
Experience from the Chinese national foot and mouth reference laboratory: organization, responsibilities, challenges in disease diagnosis and networking	Dr Zengjun Lu <i>LVRI, China</i>
FAO guidelines on veterinary laboratory policy	Gwenaelle Dauphin <i>FAO</i>
The roles and responsibilities of an OIE and FAO Reference Laboratory	Giovanni Cattoli <i>IZSVe, Italy</i>
General discussion: Learning from each other, developing opportunities for laboratory systems	Moderator: Gwenaelle Dauphin (FAO), Giovanni Cattoli (IZSVe) & Marion Bordier (MoA)