Non Tsetse Transmitted Animal Trypanosomoses Network

Minutes of the 5th annual meeting, 27 June 2019, 12 rue de Prony, 75017 Paris

1. **List of participants and apologies**
   The following Network members (in alphabetical order) were welcomed at the meeting: Büscher Philippe, Desquesnes Marc, Diall Oumar, Drozdova Elena, Goddeeris Bruno, Gonzatti Marisa, Gray Finn, Hébert Laurent, Inoue Noboru, Ledesma Nick, Peter Rose, Schnaufer Achim, Thekisoe Oriel, Touratier Louis, Truc Philippe, Yokoyama Naoki, Zeng Li
   The following members are apologized: Ahmed Yasim Ebrahim, Ashenaf Hagos, Battsetseg Badgar, Battur Banzragch, Goossens Julie, Hagos Ashenafi, Lun Zhao-Rong, Magez Stefan, Musinguzi Peter, Pascucci Ilaria, Regassa Fikru, Suganuma Keisuke, Van Gool Frans, Van Reet Nick, Yurov Konstantin
   
   OIE delegates were: Pavade Gounolan

2. **New members of the NTTAT Network**
   - Grey Finn, University of Edinburgh, UK
   - Drozdova Elena, All Russian Research Institute for Experimental Veterinary Medicine
   - Pavade Gounoulan, OIE, France
   - Ledesma Nick, USDA National Veterinary Services Laboratories, USA
   - Yokoyama Naoki, Obihiro University of Agriculture and Veterinary Medicine, Japan
   - Zeng Li, Vrije Universiteit Brussel, Belgium
   The list of all NTTAT Network members can be found on the webpage

3. **Passing away of Prof. Dr. Vet. Carlos Gutierrez**
   With regret and sadness we were informed that our dear friend, Carlos Gutierrez from the University of Las Palmas de Gran Canaria has been killed in a traffic accident on Friday 8th March 2019 (https://ecsrhm.eu/in-memoriam-of-carlos-gutierrez/).

4. **Webpage**
   Laurent Hébert presented the progress on the webpage (http://www.oie.int/nttat/index.html).
   The full webpage is public. Therefore, data that are unpublished or other confidential information should not be sent in for posting on the webpage.

5. **Progress reports and complementary presentations**
   The following presentations were given:
   - **Equine trypanosomosis: enigmas and diagnostic challenges.** Büscher Philippe, Gonzatti Mary Isabel, Hébert Laurent, Inoue Noboru, Pascucci Ilaria, Schnaufer Achim, Suganuma Keisuke, Touratier Louis, Van Reet Nick
   - **Small RNA as a diagnostic biomarker for human and animal trypanosomiasis.** Chiweshe Stephen, Steketee Pieter, Jayaraman Siddharth, Paxton Edith, Neophytou Kyriaki, Grey Finn, Morrison Liam
   - **Development of a recombinase polymerase amplification lateral flow assay for the detection of active Trypanosoma evansi infections.** Zeng Li, Pinto Torres Joar Esteban, Goossens Julie, Stijlemans Benoit, Sterckx Yann G.-J., Magez Stefan
   - **In vivo and in vitro models.** Thekisoe Oriel
   - **Case definition and management.** Pascucci Ilaria (presented by PB)
• *Trypanosoma equiperdum*: histopathology and tissue redistribution in natural and artificially infected horses. Yasine Ahmed, Ashenafi Hagos, Geldhof Peter, Van Bantegem Leen, Duchateau Luc, Govaere Jan, Goddeeris Bruno Maria

• *Rodent-borne Trypanosoma lewisi* in Cotonou: a way to track human cases. Truc Philippe

• Recent publications on mechanical vectors of trypanosomes. Desquesnes Marc

• *Musca crassirostris*, a neglected obligatory hematophagous fly. Onju Sathaporn, Chalermwong Piangjai, Jittapalapong Sathaporn, Masmeatathip Rongthip; Desquesnes Marc

• Evaluation of the impact of insects in feeder-cattle. Bonsaen Phoompong, Névo Adèle, Chalermwong Piangjay, Fossaert Clément, Onju Sathaporn, Masmeatathip Rongthip, Desquesnes Marc


• **Knowledge gaps to be filled for control and elimination camel surra in Africa.** Diall Oumar (Note: by lack of time, this presentation was not given but will be added to the minutes together with the other presentations)

6. **Some facts and remarks in relationship with the network during the period June 2018 - June 2019.**

Dr. Louis Touratier prepared a document describing discussions arising from the presentation of the minutes of the 4th annual meeting of the NTTAT Network and citing quotations from reports of the Scientific Commission for Animal Diseases. This document is found in annex of the present minutes.

7. **Replacement Raffaele Mattioli**

No replacement is found yet for Raffaele Mattioli. It is proposed to ask someone from GALVmed or ILRI or Brian Perry from the University of Oxford.

8. **Revision of the chapters on surra and dourine in the OIE Manual**

Dr. Inoue gave an update on the revision of the chapters on surra and dourine. The following drafts of the Terrestrial Manuals have been submitted to OIE:

- **CHAPTER 3.1.21. TRYPANOSOMA EVANSI INFECTION (SURRA IN ALL SPECIES).** Sent by Marc Desquesnes to Sara Linnane of the OIE Science Department on 18 May 2019

- **CHAPTER 3.4.16. ANIMAL TRYPANOSOMOSES OF AFRICAN ORIGIN (excluding infection with Trypanosoma evansi and T. equiperdum).** Sent by Marc Desquesnes to Sara Linnane of the OIE Science Department on 10 May 2019

- **Still to be updated:** CHAPTER 3.5.3. INFECTION WITH TRYPANOSOMA EQUIPERDUM (Dourine in horses). Philippe Büscher will prepare the draft and circulate it to the following NTTAT Network members in order to have their input: O. Diall, M. Desquesnes, A. Schnaufer, O. Thekisoe, L. Hébert, N. Ledesma, N. Inoue, I. Pascucci. Proposed submission data: May 2020 (Review cycle 2020/2021).

9. **Planning 2019-2020**

9.1. **Organisation of the 4rd International Conference on NTTAT**

**Date & place**

The 4th International Conference on NTTAT of the OIE NTTAT Network will take place on 14-15 August 2019 in Hustai National Park, Ulaanbatar, Mongolia

8 abstracts were already received from researchers aside from organising countries

Inquiry of participation: 15, aside from researchers from Mongolia

**Organising committee**
Announcement

http://www.oie.int/nttat/events2.html

9.2. Next annual meeting

Next annual meeting is planned at the end of May 2020. Philippe Büscher will send a proposal to the network members.

9.3. Annual report to OIE

The minutes of this meeting will be sent to Gounolan Pavade for further distribution within OIE and will be posted on the NTTAT Network webpage

10. Annexes

Agenda of the meeting

Presentations and other documents given at the meeting
5th Annual Meeting
27 June 2019, 9 am - 17 pm
OIE HQ, Salon Ramon, 12 rue de Prony, 75017 Paris, France
Metro: Parc Monceau, Tel: +33 144 15 18 88

Agenda

1. Welcome
   Philippe Büscher

2. Webpage
   Laurent Hébert/Philippe Truc/Expert OIE

3. Progress report presentations submitted by the different members of the NTTAT Network and presented by the responsible for the different domains
   3.1. Diagnosis
      Philippe Büscher
      3.1.2. Development of a recombinase polymerase amplification lateral flow assay for the detection of active Trypanosoma evansi infections. Li et al.
      3.1.3. Equine trypanosomosis. P. Büscher et al.
   3.2. In vivo and in vitro models
      Oriel Thekisoe
      3.2.1. Trypanosoma equiperdum: histopathology and tissue redistribution in natural and artificially infected horses. A. Yasine et al.
   3.3. Treatment
      Rosemary Peter
   3.4. Case definition and case management
      Ilaria Pascucci
   3.5. Vectors
      Marc Desquesnes
      3.5.1. Musca crassirostris: a neglected hematophagous fly. Onju et al.
      3.5.2. Impact of hematophagous dipters on cattle. Bonsaen, et al.
      3.5.3. The Multi Targets Method: an innovative strategy for the control of biting flies as vectors. Desquesnes et al.
   3.6. Epidemiology
      Zhao-Rong Lun
   3.7. Atypical human infections
      Philippe Truc
   3.8. Socio-economic impact
      N.N.

4. An overview of some remarks and activities of the OIE NTTAT Network during the period June 2018-June 2019
   Louis Touratier

5. Replacement for Raffaele Mattioli

6. Update of the OIE Manual Chapters
   Noboru Inoue

7. Planning 2019-2020
   7.1. 4th International Conference on NTTAT, 14-15 August 2019, Mongolia
   7.2. Next annual meeting of the OIE NTTAT Network

8. Annual report to OIE
   Philippe Büscher/Louis Touratier