

OIE Non Tsetse Transmitted Animal Trypanosomoses Network

Minutes of the second meeting, 2 June 2016, 12 rue de Prony, 75017 Paris

The following Network members (in alphabetical order) were welcomed at the meeting: Büscher P, Gillingwater K, Goddeeris B, Hébert L, Mattioli R, Pascucci I, Peter R, Schnauffer A, Touratier L.

The following members are apologized: Battur B, Bouyer J, Desquesnes M, Gonzatti M, Goossens J, Hagos A, Inoue N, Lun ZR, Miletti LC, Minoprio P, Van Gool F, Reyna-Bello A, Rowan T, Suganuma K, Truc P, Yurov K

OIE observers were: Diaz F, Dominguez M, Marrana MM, Münstermann S, Streng K

The participants were welcomed by Dr. Brian Evans, Deputy Director General of OIE who underlined the importance of the OIE NTTAT Network and who introduced the other OIE delegates. Dr. Evans explained the vision of the Director General of the OIE (Dr. Monique Eloit) on how OIE will improve access to scientific expertise and how OIE can expect support from its member countries, both domains where Reference Laboratories and Networks like the NTTAT Network are concerned.

2.2. New members of the NTTAT NetworkThe secretary P. Büscher presented a list of new members of the NTTAT Network:

- Laurent Hébert from ANSES, Dozulé, France replaces Julien Cauchard. He is responsible for the NTTAT webpage.
- Philippe Truc from the UMR InterTryp 177 IRD/CIRAD, Montpellier, France assists Laurent Hébert in populating the NTTAT webpage. He is coordinator of the WHO endorsed Network on Atypical Human Infections by Animal Trypanosomes
- Rose Peter, responsible for the trypanosomosis portfolio within GALVmed, Edinburgh, UK
- Jérémy Bouyer from the UMR15 CIRAD/INRA , Addis Ababa, Ethiopia
- Thekiso Oriel from the North West University, South Africa closely collaborates with Noboru Inoue from the OIE Reference Laboratory for Dourine at the Obihiro University, Japan
- Suganuma Keisuke is a collaborator of Noboru Inoue at Obihiro University, Japan

2.3. Recalling the goal and objectives of the NTTAT NetworkA slide was presented by P. Büscher recalling the goal of the NTTAT Network being to establish a global strategy for the control of NTTATs with the following specific objectives:

- To create awareness on NTTATs as high impact neglected diseases
- To develop tools that enhance countries' capacity for surveillance of the NTTATs in view of increasing disease reporting
- To foster collaborative research on identified topics
- To respond to needs for scientific evidence as expressed by endemic countries and/or organisations engaged in NTTAT control
- To fill gaps in knowledge on disease epidemiology, pathogenesis, drug efficacy, vaccines, modes of transmission, reservoir hosts and vector control

Progress reports were expected from the responsible of each research priority area. For the areas "vectors" and "epidemiology", no reports were received. For the other areas, reports were presented

Research priority area	Responsible	Delivered
Diagnosis	P. Büscher	yes
In vivo and in vitro models	K. Gillingwater	yes
Treatment	R. Peter	yes
Vectors	M. Desquesnes	no
Case definition and case management	I. Pascucci	yes
Epidemiology	Z.R. Lun	no
Socio-economic impact	R. Mattioli	yes

The following progress report presentations were given

- Gillingwater: Progress Report 2016: *In vivo* and *in vitro* models
- Peter et al: Repurposing human health drug leads for Animal African Trypanosomosis (AAT)
- Pascucci: Case definition and case management
- Mattioli: Socio-economic impact of surra
- Büscher: Progress on diagnosis of NTTAT

The following complementary presentations were given

- Gillingwater: Investigating the chemotherapeutic efficacy of diamidines against *T. equiperdum*
- Yurov et al.: Some properties of equine trypanosomes in Central Asian and Western Siberian regions
- Suganuma et al.: Isolation, cultivation and molecular characterization of a new *Trypanosoma equiperdum* strain in Mongolia
- Camejo et al.: Relationship between asymptomatic infections with *Anaplasma marginale*, *Babesia spp.* and *Trypanosoma vivax* in bulls and testosterone levels.
- Schnauffer et al.: No title: presentation about recent advances in phylogenetic analysis of *T. equiperdum*/*T. evansi*, including analysis on the strain responsible for the latest outbreak in Italy
- Laurent Hébert: Evaluation of melarsamine hydrochloride (Cymelarsan®) efficacy to treat the nervous form of dourine in experimentally infected ponies

4. Webpage

Laurent Hébert presented the progress on the webpage. The principle of creating a webpage for the NTTAT Network incorporated in the website of OIE has been accepted by the former Director General of the OIE, Bernard Vallat. The structure of the website, following the example of the Bluetongue Network, and proposed by Laurent Hébert, has been accepted by the new

Director General of the OIE, Monique Eloit. During the meeting, Laurent Hébert met with Bertrand Flahault (1st - Deputy Head of Administration, Logistics and Publications Department) and Ely Prince Adicolle (webmaster) from OIE to discuss the further actions to undertake to create this webpage. An off-line version of the webpage will be circulated among the members of the NTTAT Network for comments and eventual approval.

5. Extending the Network member list

Louis Touratier prepared a working paper presenting an overview of information on NTTAT (dourine, surra and *T. vivax* trypanosomosis) available in the annual reports of the National Veterinary Services of the OIE member countries and in scientific publications for 2015 and beginning of 2016.

Philippe Büscher opened the discussion on the extension of the Network with new members proposed by current members. He recalled the selection criteria that were proposed for inclusion of new Network members:

- Proven track record on activities (research, reference testing, reporting of epidemiological data....) on the NTTAT covered by the NTTAT Network (*T. equiperdum*, *T. evansi*, *T. vivax*)
- Complementarity to the existing competence in the NTTAT Network
- Currently ongoing activities on NTTAT
- Proven status of national/regional importance in the domain of NTTAT that is relevant to OIE in general and to the NTTAT Network in particular
- Willing to contribute to the work programme of the NTTAT

The following new members were proposed during the last year

by Marc Desquesnes

- Gérard Duvallet, Université Paul Valéry, Montpellier, France: vectors, including tabanids
- Wisnu Nurcahyo, Gadjah Mada University, Yogyakarta, Indonesia: parasitologist
- Alan Dargantes, Central Mindanao University, Mindanao, Philippines: diagnosis
- April Wardhana, Indonesian Research Centre for Veterinary Science, Bogor, Indonesia: molecular biologist

by Raffaele Mattioli

- David Modrý, University of Veterinary and Pharmaceutical Sciences Brno , Czech Republic

by Philippe Büscher

- Stefan Magez and/or Julie Vercruysse, Vrije Universiteit Brussel, Belgium: immunology, serological diagnosis
- Pinakiprasad Sengupta and/or G.R. G.R.Rudramurthy, National Institute of Veterinary Epidemiology & Disease Informatics, Bengaluru, India: serological and molecular diagnosis
- Ulrich Wernery, Central Veterinary Research Laboratory, Dubai, UAE: reference diagnostics in camel
- Charles Lewis, United States Department of Agriculture, National Veterinary Services Laboratories , Ames, USA: reference diagnosis, trade

- Mario Grijalva, Director of Centro de Investigación en Enfermedades Infecciosas y Crónicas, Pontificia Universidad Católica del Ecuador, Quito, Ecuador: setting up network on NTTAT in Latin America

by Noboru Inoue

- Badgar Battsetseg, Institute of Veterinary Medicine, Mongolian University of Life Sciences, Ulaanbaatar, Mongolia: parasitologist

Since most persons are unknown to the current members of the NTTAT Network, it is proposed to send them an invitation letter to give a presentation on their activities and on how they will contribute to the NTTAT Network at the 1st International Conference on NTTAT that will be organised within the coming months.

Bruno Goddeeris made a remark that only few members of the Network are from endemic countries. Their participation in the Network meetings in Paris is hampered by financial restrictions although their contribution to the Network may be substantial. Suggestions to solve this structural problem are most welcome.

6. Updating OIE technical disease cards

Susanne Münstermann invited the participants to help in updating the OIE disease cards for dourine and surra. Disease cards, published by OIE are targeted at the general public, veterinarians and other users of the OIE website. The dourine disease card had been updated recently. Prior to the meeting Susanne Münstermann had sent it to several Network members for their comments. Comments were received and integrated into the document that was presented at the Network meeting for further refining. Mariana Marana collected the comments and corrections suggested by the participants and will update the disease card for dourine where after it will be distributed again for final comments. Updating the disease card for surra will follow later.

7. Code Chapters for dourine and surra

Susanne Münstermann explained that on 21 – 23 July 2015, an OIE *ad hoc* Group meeting was convened to provide an expert opinion on the need to have a specific Terrestrial Code chapter on surra and to update the existing chapter on dourine. The OIE Scientific Commission discussed the report and the unfinished draft chapters. Based on the information provided, the Commission decided not to endorse the report and proposed to convene a new *ad hoc* group to finalise the task. This *ad hoc* group will work on both chapters on 14 to 16 June 2016 at OIE HQ in Paris. From the NTTAT Network, Louis Touratier, Ilaria Pascucci, Marisa Gonzatti and Philippe Büscher will participate in this *ad hoc* group meeting.

8. Planning 2016-2017

8.1. Organisation of the 1st International Conference on NTTAT

A new date for the 1st International Conference on NTTAT, organised by the Network, is proposed. Depending on availability of facilities and funding, the earliest dates are 15 and 16 December. Laurent Hébert will check whether it is still possible to organise the conference at ANSES, Maison Alfort, Paris and whether ANSES is willing to take in charge a two-days conference. Philippe Büscher will check whether CEVA is still willing to facilitate the participation of some key participants in this conference.

8.2. Next annual meeting

Not addressed during this meeting. A proposal by the secretary will follow later.

9. Annual report to OIE

The minutes of this meeting will be sent to Susanne Münstermann 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

2nd Annual meeting

2 June 2016, 9 am - 17 pm
12 rue de Prony, 75017 Paris, France
Metro: Parc Monceau, Tel: +33 144 15 18 88

Agenda

1. Welcome Philippe Büscher
 - 1.1. Presentation of the new members of the NTTAT Network
 - 1.2. Recalling the goal and objectives of the NTTAT Network

2. Progress report presentations
 - 2.1. Diagnosis Philippe Büscher
 - 2.2. *In vivo* and *in vitro* models Kirsten Gillingwater
 - 2.3. Treatment Rosemary Peter
 - 2.4. Vectors Marc Desquesnes *or representative*
 - 2.5. Case definition and case management Ilaria Pascucci
 - 2.6. Epidemiology Zhao-Rong Lun
 - 2.7. Socio-economic impact Raffaele Mattioli

3. Webpage Laurent Hébert/Philippe Truc

4. Extending the Network member list Louis Touratier

5. Updating OIE technical disease cards Susanne Münstermann

6. Writing the Code for Surra Susanne Münstermann

7. Planning 2016-2017
 - 7.1. Organisation of the 1st International Conference on NTTAT
 - 7.2. Next annual meeting

8. Annual report to OIE Philippe Büscher/Louis Touratier