



MEDREONET THIRD ANNUAL MEETING

Faculdade de Medicina Veterinária – Universidade Técnica de Lisboa

LISBOA, PORTUGAL

2-4 December 2009

AGENDA

The aim of this meeting was to present activities achieved at the end of 2009 and to plan last activities to be ended up by Mid-2010. Discussions were organized mainly by work package:

- WP1: Regional surveillance of virus activity and vaccination - Leader Armando Giovannini
- WP2: Regional surveillance of vectors – Leader - Miguel Miranda
- WP3: Molecular epidemiology-Leader - Peter Mertens
- WP4: Database, web design and GIS – Leader - Carla Ippoliti
- WP5: Risk assessment- Leader - Jordi Casal

Wednesday 2nd December, 2009- Auditorium

Hour	Activity	Speaker
13.00	Registration	
14.30-14.50	Opening session	Isabel Pereira Fonseca (FMV) Catherine Cetre-Sossah (CIRAD) Fernando Boinas (FMV) Luis Tavares (FMV Dean)
14.50-15.20	BT 2008-2009: Unusual cases	Dr T. Gerdes, OVI, South Africa
15.20-15.40	An overview of three years of bluetongue in the Netherlands	Dr P. Van Rijn, CIDC, The Netherlands
WP1: Regional surveillance of virus activity and vaccination Chairpersons: Armando Giovannini and Frank Vandebussche		
15.40-15.55	Current situation of BTV in Greece	J. Tsakiris, E. Aronis, M. Sachsamanoglou, T. Petriodu P Patounis, P. Iliadou, M. Patakakis, S. Doudounakis, O. Mangana-Vougiouka
15.55-16.10	Serological investigation of BTV virus infection by ELISA in sentinel cattle herds in Tunisia	S. Sghaier, K. Ben Hamida, A. Dkhil, S. Hammami
16.10 -16.30	<i>Coffee-break</i>	
16.30-16.45	Commercialisation of a real-time RT-PCR assay for the pan-detection of bluetongue virus	AE. Shaw, H.Marqardt, A. Lukas, PC Mertens

16.45-17.00	Proposal of a validation method for automated nucleic acid extraction and RT-qPCR analysis: an example with Bluetongue virus	E. Vandemeulebroucke, K. De Clercq, Y. Van Der Stede, F. Vandebussche
17.00-17.15	Control measures for Bluetongue in Portugal	R. Amador, S. Quintans
17.15-17.30	WRAP UP of WP1	
WP2: Regional surveillance of vectors – Part I Chairpersons: Miguel Miranda and Thomas Balenghien		
17.30-17.45	Host-location and flight behavior in <i>Culicoides</i> in the UK: Current status of work and possible future directions	S. Carpenter, A. Wilson, C. Sanders, J. Barber, E. Denison, L. Harrup, E. Veronesi, P. Golding N Mellor
17.45-18.00	<i>Culicoides imicola</i> as vector of BTV-8	G. Venter, I. Wright R. Del Rio, D. Majatladi, S., K. Hermanides, M.A. Miranda-Chueca
18.00-18.15	What's new with the <i>Culicoides</i> identification freeware?	B. Mathieu, D. Chaverna, J-C. Delecolle, and Members of the WP2
18.15-18.30	Distribution and abundance of biting midges, the potential vectors of BT disease in Switzerland	C. Kaufmann, F. Schaffner A. Tschuur, A. Mathis
18.30-18.45	<i>Culicoides</i> .NET: an online database for insect vector taxonomy	A. Wilson, S. Carpenter, H.L. Tang, A. Marinos, P. Krause, P. Mellor

Thursday 3rd December, 2009 - Auditorium

WP2: Regional surveillance of vectors – Part II Chairpersons: Miguel Miranda and Simon Carpenter		
9.00-9.15	Bluetongue in Portugal and <i>Culicoides</i> spp distribution between 2005- 2008	T. Nunes, I. Pereira da Fonseca, F. Baptista, H. Martins, C. Agrela Pinheiro, J. Lucientes, F. Boinas
9.15-9.30	Virus recovery rate of BTV-1, -2, -4 & -8 in orally infected <i>C. imicola</i> in South Africa	R. Del Rio, GJ Venter, MA Miranda, C. Paredes-Esquivel, J. Lucientes, C. Calvete, R. Estrada,
9.30-9.45	Vector Competence of British <i>Culicoides</i> spp. for BTV-8	N. Golding, T. Balenghien, P. Mellor, J Barber, E. Veronesi, S. Carpenter
9.45-10.00	Interaction between orbiviruses and their <i>Culicoides</i> vectors	E. Veronesi, P. Mertens, P. Mellor, K. Darpel, S. Maan, N. Maan, K. Nomikou, A. Shaw, S. Carpenter

10.00-10.15	Entomological surveillance of the genus <i>Culicoides</i> , vector of BT in Tunisia	S. Sghaier, S. Hammami, M. Hammami, A. Dkhil, JC. Delécolle
10.15-10.30	Light trap collection comparisons	G. Venter, K. Labuschagne, J. Liebenberg, K. Hermanides, S. Boikanyo, TC. Majatladi D. Van Der Linde
10.30-10.45	<i>Coffee- break</i>	
10.45-11.00	Comparison of the efficacy of four light trap models for the collection of <i>Culicoides</i> biting midges in Wusterhausen, Germany	C. Probst, H. Kampen, D. Werner, J. Gethmann, FJ. Conraths, M. Beer
11.00-11.15	Biting midges (Ceratopogonidae: <i>Culicoides</i> Latreille) recorded from farms in Sweden	S. A. Nielsen, B. O. Nielsen and J. Chirico
11.15-11.30	The entomological surveillance of blue tongue in Algeria	M. Djerbal, JC. Delécolle, et al
11.30-11.45	Investigation of Saliva proteins from different <i>Culicoides</i> species and their Interaction with the Bluetongue virus particle	K.E. Darpel, K.F. Langner, G. Venter, L. Hunt, D. Kurian, A.C. Potgieter, H. Attoui, P. Mellor ¹ , H.H. Takamatsu, P.P. Mertens
11.45-12.00	Ring trials for <i>Obsoletus</i> complex species: What's up?	C. Cêtre-Sossah, T. Balenghien, C. Garros, JC Delécolle and R. Meiswinkel and all the participating laboratories
12.00-12.15	Micro-arrays as a molecular identification tool for <i>Culicoides</i>	R. de Deken
12.15-12.30	Surveillance of biting midges, determining vector-free periods in Switzerland, 2007-2009	F. Schaffner, C. Kaufmann, H.P. Schwermer, A. Mathis
12.30-12.45	WRAP UP of WP2	Chairpersons
12.45-13.45	<i>LUNCH</i>	
WP3: Molecular epidemiology Chairpersons: Peter Mertens and Piet Van Rijn		
13.45-14.00	EFSA - AHAW panel 2007-2008 opinions on Bluetongue	A .A. Polyviou
14.00-14.15	Molecular epidemiology of BTV-9 in the Mediterranean region	K. Nomikou, S. Maan, N.S. Maan, P.P.C. Mertens
14.15-14.30	Identification and characterization of orbiviruses isolates from La Réunion and Martinique islands	D. Vitour, C. Sailleau, E. Breard, S. Zientara
14.30-14.45	Reverse genetics for ds RNA VIRUSES	H. Attoui, F. Mohd Jaafar, S. Maan, P. Mertens

14.45-15.00	Genetic characterization of Tilligerry and Mitchell River viruses	M. Belaganahalli, S. Maan, P. Mertens
15.00-15.15	Molecular determinants of BTV virulence	M. Caporale, R. Chiam, G. Savini, P. Franchi, L. Di Gialleonardo, M. Golder, G. Armillotta, G. Di Francesco, R. Lelli, A. Pini, P. Kellam, M. Palmarini
15.15-15.30	Development of a novel diagnostic assays for orbiviral diseases of domestic and wild animals	S. Maan, N.S.Maan, K. Bankowska, A.C. Potgieter, K. Nomikou, P.P.C. Mertens
15.30-16.00	WRAP UP of WP3	Chairpersons
<p>WP 4: Database, web design and GIS and WP 5: Risk assessment Chairpersons: Jordi Casal and Carla Ippoliti</p>		
16.00-16.15	Modelling Bluetongue vectors occurrence using GIS and Remote Sensing techniques	H. Martins, T. Nunes, F. Boinas
16.15-16.30	Bulgarian national BTV surveillance program, field studies and risk assessment animals	G. Georgiev, N. Nedelchev, L. Polihronova
16.30-16.45	<i>Coffee- break</i>	
16.45-17.00	Seroprevalence of different orbiviruses in Algerian domestic animals	H. Madani. J. Casal
17.00-17.15	Epizootic Haemorrhagic disease - EFSA assessment on the risks of introduction and spread in Europe	A. A. Polyviou
17.15-17.30	Quantitative Assessment of the risk of bluetongue by Culicoides introduced via transport and trade networks	S. Napp, P. Calistri, A. Giovannini, S. Gubbins, I. García-Bocanegra, A. Alba, A. Allepuz, J. Casal
17.30-17.45	Quantitative Assessment of the probability of BTV transmission by semen	S. Napp, I. García-Bocanegra, A. Alba, A. Allepuz, J Casal
17.45-18.00	Quantitative Assessment of the probability of Bluetongue virus overwintering by horizontal transmission in vectors, ruminants or in both: application to Germany	S. Napp, S. Gubbins, P. Calistri, A. Allepuz, A. Alba, I. García-Bocanegra, A. Giovannini, J Casal
18.00-18.15	Seroprevalence of bluetongue in the Mediterranean region of Turkey	A Ertürk, Ş.G. Çizmeçi, N. Yazıcıoğlu, M.Fatih Barut, A. Allepuz, A. Alba, S. Napp, J. Casal
18.15-18.30	WRAP UP of WP5	Chairpersons
20.00	<i>Social dinner in a typical Portuguese restaurant with live Fado (included in the registration)</i>	

Friday 4th December, 2009 - Achievements towards June 2010

Hour	Activity	Speaker	Room
9.30 – 12.30	WP1: Regional surveillance of virus activity and vaccination	A Giovannini	C0-13
9.30 – 12.30	WP2: Regional surveillance of vectors	M. Miranda and M. Baylis	Auditorium
9.30 – 12.30	WP3: Molecular epidemiology	P. Mertens	C0-13
9.30 – 12.30	WP4: Database, web design and GIS	C. Ippoliti	C1-13
9.30 – 12.30	WP5: Risk assessment	J. Casal	C1-13
10.30-10.45	<i>Coffee-break</i>		
12.30-14.00	<i>LUNCH</i>		
14.00-17.00	Recommendations	All the WP leaders and the Coordinateur	Auditorium

POSTERS

WP1: Regional surveillance of virus activity and vaccination		
Poster 1.1	Emergence of Bluetongue Serotypes in Europe, Part 1: Description and Validation of Four Real-Time RT-PCR Assays for the Serotyping of Bluetongue Viruses BTV-1, BTV-6, BTV-8 and BTV-11	F. Vandebussche, I. De Leeuw, E. Vandemeulebroucke and K De Clercq
Poster 1.2	Identification of reassortant bluetongue viruses from the western Mediterranean region	S. Maan
WP2: Regional surveillance of vectors		
Poster 2.1	Molecular identification of Palaearctic <i>Culicoides</i> blood meals from different localities in France	C. Garros, L. Gardès, E. Viennet, X. Allène, I. Rakotoarivony, T Balenghien
Poster 2.2	Presentation of <i>Culicoides</i> (<i>Culicoides</i>) <i>boyeri</i> sp. n. found in northern Jutland, Denmark	S. A. Nielsen
Poster 2.3	The past and the future: crossing morphological studies and molecular biology in the approach to <i>Culicoides</i> studies	G. Alexandre-Pires, S. Diaz, J. Meireles, F. Boinas, I. Pereira da Fonseca

WP3: Molecular epidemiology		
Poster 3.1	Expression studies of VP2 and VP5 outer capsid proteins of Bluetongue virus	H. Attoui, F. Mohd Jaafar, S. Maan, P. Mertens
Poster 3.2	A step forward in the development of Molecular Database for AHSV	K. Bachanek-Bankowska, S. Maan, C. Batten, P. Mertens
WP4: Database, web design and GIS		
Poster 4.1	PORTAL SIGLA – a webgis information system for the portuguese Bluetongue entomological surveillance programme	H. Martins, T. Nunes, F. Boinas
Poster 4.2	Risk assessment for Bluetongue virus vectors occurrence based on geographical Information Systems and statistical modeling	S. Pacheco
WP5: Risk assessment		
Poster 5.1	BTV transmission model for the austrian region of Styria	A.S.R. Duarte.