# OIE Collaborating Centers Reports Activities

## Activities in 2014

This report has been submitted: 2015-01-16 09:29:43

<table>
<thead>
<tr>
<th><strong>Title of collaborating centre:</strong></th>
<th>Surveillance and Control of Animal Diseases in Africa</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Address of Collaborating Centre:</strong></td>
<td>Agricultural Research Council-Onderstepoort Veterinary Institute Private Bag X05 Onderstepoort 0110 SOUTH AFRICA</td>
</tr>
<tr>
<td><strong>Tel.:</strong></td>
<td>+27-12 529.91.06</td>
</tr>
<tr>
<td><strong>Fax:</strong></td>
<td>+27-12 565.46.64</td>
</tr>
<tr>
<td><strong>E-mail address:</strong></td>
<td><a href="mailto:mulumbam@arc.agric.za">mulumbam@arc.agric.za</a></td>
</tr>
<tr>
<td><strong>Website:</strong></td>
<td><a href="http://www.arc.agric.za">www.arc.agric.za</a></td>
</tr>
<tr>
<td><strong>Name of Director of Institute (Responsible Official):</strong></td>
<td>Dr M Mulumba</td>
</tr>
<tr>
<td><strong>Name (including Title and Position) of Head of the Collaborating Centre (formally OIE Contact Point):</strong></td>
<td>Dr M Mulumba Senior Manager Research: Animal Health and Protection</td>
</tr>
<tr>
<td><strong>Name of writer:</strong></td>
<td>Ms D Wessels</td>
</tr>
</tbody>
</table>
ToR: To provide services to the OIE, in particular within the region, in the designated specialty, in support of the implementation of OIE policies and, where required, seek for collaboration with OIE Reference Laboratories

ToR: To identify and maintain existing expertise, in particular within its region

1. Activities as a centre of research, expertise, standardisation and dissemination of techniques within the remit of the mandate given by the OIE

<table>
<thead>
<tr>
<th>Epidemiology, surveillance, risk assessment, modelling</th>
<th>Scope</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title of activity</td>
<td></td>
</tr>
<tr>
<td>FMD</td>
<td>A total of 48 339 samples were analysed using the LPBE; 2359 samples using the 3ABC ELISA and 494 samples were screened for the detection of the virus through RT-PCR from which 311 are typed. A total of 1798 samples are analysed using VNT.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Diagnosis, biotechnology and laboratory</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Title of activity</td>
<td>Scope</td>
</tr>
<tr>
<td>AHS (Ag, AGID,CFT,ELISA)</td>
<td>2822 samples tested</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other (Name the category)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Title of activity</td>
<td>Scope</td>
</tr>
<tr>
<td>Supply reference reagents</td>
<td>SAT1 and SAT2 rabbit antisera SAT1 and SAT2 guinea pig antisera Rabies: Fluorescein isothiocyanate conjugate</td>
</tr>
</tbody>
</table>

ToR : To propose or develop methods and procedures that facilitate harmonisation of international standards and guidelines applicable to the designated specialty

2. Proposal or development of any procedure that will facilitate harmonisation of international regulations applicable to the surveillance and control of animal diseases, food safety or animal welfare

<table>
<thead>
<tr>
<th>Proposal title</th>
<th>Scope/Content</th>
<th>Applicable area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaluation of a TaqMan real-time PCR for the detection of Theileria parva in buffalo and cattle.</td>
<td>Veterinary Parasitology</td>
<td>□ Surveillance and control of animal diseases □ Food safety □ Animal welfare</td>
</tr>
</tbody>
</table>
**ToR: To establish and maintain a network with other OIE Collaborating Centres designated for the same specialty, and should the need arise, with Collaborating Centres in other disciplines**

**ToR: To carry out and/or coordinate scientific and technical studies in collaboration with other centres, laboratories or organisations**

3. Did your Collaborating Centre maintain a network with other OIE Collaborating Centres (CC), Reference Laboratories (RL), or organisations designated for the same specialty, to coordinate scientific and technical studies?

Yes

<table>
<thead>
<tr>
<th>Name of OIE CC/RL/other organisation(s)</th>
<th>Location</th>
<th>Region of networking Centre</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>IZS</td>
<td>Italy</td>
<td>Africa, Americas, Asia and Pacific, Europe, Middle East</td>
<td>IV International Conference on Bluetongue and related Orbiviruses.</td>
</tr>
</tbody>
</table>

4. Did your Collaborating Centre maintain a network with other OIE Collaborating Centres, Reference laboratories, or organisations in other disciplines, to coordinate scientific and technical studies?

Yes

<table>
<thead>
<tr>
<th>Name of OIE CC/RL/other organisation(s)</th>
<th>Location</th>
<th>Region of networking Centre</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veterinary Services</td>
<td>Namibia</td>
<td>Africa, Americas, Asia and Pacific, Europe, Middle East</td>
<td>Seasonal abundance of Culicoides species in Namibia</td>
</tr>
</tbody>
</table>

**ToR: To place expert consultants at the disposal of the OIE.**

5. Did your Collaborating Centre place expert consultants at the disposal of the OIE?

Yes

<table>
<thead>
<tr>
<th>Name of expert</th>
<th>Kind of consultancy</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr C Sabeta</td>
<td>Cameroon; Congo (Dem Rep); Uganda; Rwanda: Technical backstopping</td>
<td>FAT - onsite visit and training</td>
</tr>
</tbody>
</table>
ToR: To provide, within the designated specialty, scientific and technical training to personnel from OIE Member Countries

6. Did your Collaborating Centre provide scientific and technical training, within the remit of the mandate given by the OIE, to personnel from OIE Member Countries?

Yes
a) Technical visits: 2
b) Seminars: 0
c) Hands-on training courses: 6
d) Internships (>1 month): 0

<table>
<thead>
<tr>
<th>Type of technical training provided (a, b, c or d)</th>
<th>Content</th>
<th>Country of origin of the expert(s) provided with training</th>
<th>No. participants from the corresponding country</th>
</tr>
</thead>
<tbody>
<tr>
<td>c</td>
<td>Establishment of serological diagnostic testing for FMDV</td>
<td>Uganda</td>
<td>1</td>
</tr>
</tbody>
</table>

ToR: To organise and participate in scientific meetings and other activities on behalf of the OIE

7. Did your Collaborating Centre organise or participate in the organisation of scientific meetings on behalf of the OIE?

Yes

<table>
<thead>
<tr>
<th>National/International</th>
<th>Title of event</th>
<th>Co-organiser</th>
<th>Date (mm/yy)</th>
<th>Location</th>
<th>No. Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>International</td>
<td>IV International Conference on Bluetongue and Related Orbiviruses</td>
<td>Committee member</td>
<td>11/14</td>
<td>Rome, Italy</td>
<td>50</td>
</tr>
</tbody>
</table>

ToR: To collect, process, analyse, publish and disseminate data and information relevant to the designated specialty

8. Publication and dissemination of any information within the remit of the mandate given by the OIE that may be useful to Member Countries of the OIE

a) Articles published in peer-reviewed journals: 34


VAN HEERDEN J., 2014. Characteristics of Foot and mouth disease viral strains circulating at the Wildlife/livestock interface of the great limpopo transfrontier conservation area. Transboundary and Emerging Diseases 00: 00.


Hendriks CBS, Heath L and Martiz-Olivier C. Towards understanding the host-vector-pathogen interactions of African swine fever virus in domestic suids. 8th International Ticks and Tick-borne pathogens and 12th biennial Society for Tropical Veterinary Medicine Conference. 24-28 August 2014.


Mthombeni R, Mans BJ, Heath L and van Heerden J. The development and partial validation of an OpiTSGP1 ELISA. 8th International Ticks and Tick-borne pathogens and 12th biennial Society for Tropical Veterinary Medicine Conference. 24-28 August 2014.

Boshoff CI, Bastos ADS and Heath L. Experimental infection of domestic pigs with African swine fever virus to investigate transmission cycles. 8th International Ticks and Tick-borne pathogens and 12th biennial Society for Tropical Veterinary Medicine Conference. 24-28 August 2014.
b) International conferences:  3
RM Dwarka and A Lubisi attended the Third Global conference for reference centres, 14-16 October, Korea.

RM Dwarka attended the OIE FMD network meeting and represented pool 6 of the designated FMDV global virus pools designations, 26-27 November 2014, Brescia, Italy.

RV Bhoda, B Blignaut and M Chitray attended the EuFMD 2014 meeting, 25/10/ - 1/11/2014, Croatia

c) National conferences:  1
National Rabies Advisory group - Trends of Rabies cases and biotypes discussed.

d) Other
(Provide website address or link to appropriate information):  18
Articles in proceedings


International Training Programme on Bluetongue Vector identification. : 11-16.


Chapter in book
http://www.iconceptpress.com