

# PANORAMA

Thematic portfolio



## Facilitation of international movement of competition horses



# PERSPECTIVES



# DOSSIER



# AROUND THE WORLD

*OIE standards are based on science. Scientific studies can provide the necessary evidence to support the creation, revision or updating of OIE standards for the benefit of the global community. In consultation with the FEI and the IFHA, the OIE has identified priority areas to be addressed through scientific studies.*

After an international call for tenders launched by the OIE in 2015, the FEI and IFHA funded the following studies:

- validation studies of diagnostic assays for African horse sickness (AHS) [1] (a serological assay); glanders [2] (serological assays); and equine influenza (a molecular assay)
- a study on the vaccination protocols against equine influenza
- a review of AHS vaccine technologies and economic assessment of a new AHS vaccine.

The outcomes of these validation studies and of the study on equine influenza vaccination protocols were taken into account by the relevant OIE Specialist Commissions when they revised the recommendations of the *Manual of Diagnostic Tests and Vaccines for Terrestrial Animals* and the *Terrestrial Animal Health Code*. The results of the studies on AHS vaccines were also recognised by the International Horse Sports Confederation (IHSC) in supporting [the development of a safer AHS vaccine](#).

Reliable diagnostic assays and effective vaccines are instrumental in disease prevention and control and for the safe movement and importation of animals. Through its network of Reference Laboratories, Collaborating Centres and other organisations, the OIE strives to engage in successful partnerships to support the development of science-based standards.

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## DOSSIER

# Public–private partnership supporting scientific research to contribute to the OIE standard-setting process

## SUMMARY

The OIE–IHSC Public–Private Partnership supports scientific studies for the development or improvement of diagnostic assays or vaccines for priority equine diseases. These studies have provided new evidence to support the science-based revision of the relevant OIE standards.

## KEYWORDS

#International Equestrian Federation (FEI), #International Federation of Horseracing Authorities (IFHA), #public–private partnership, #research,

#World Organisation for Animal Health (OIE).

#### AUTHORS

Morgane Dominguez<sup>(1)</sup>, Neo J. Mapitse<sup>(1)\*</sup>, Matthew Stone<sup>(2)</sup>, Alain Dehove<sup>(3)</sup>, Lydia Greve<sup>(4)</sup>, Ann Cullinane<sup>(5)</sup>, Cristóbal Zepeda<sup>(6)</sup> & Étienne Bonbon<sup>(7)</sup>

(1) Status Department, World Organisation for Animal Health (OIE).

(2) International Standards and Science, World Organisation for Animal Health (OIE).

(3) Financial Directorate, World Organisation for Animal Health (OIE).

(4) World Fund Unit, World Organisation for Animal Health (OIE).

(5) Biological Standards Commission, World Organisation for Animal Health (OIE).

(6) Scientific Commission for Animal Diseases, World Organisation for Animal Health (OIE).

(7) Terrestrial Animal Health Standards Commission, World Organisation for Animal Health (OIE).

\* Corresponding author: [disease.status@oie.int](mailto:disease.status@oie.int)



Sampling horses in South Africa. © John Grewar

#### REFERENCES

1. Durán-Ferrer M., Agüero M., Zientara S., Beck C., Lecollinet S., Sailleau C., Smith S., Potgieter C., Rueda P., Sastre P., Monaco F., Villalba R., Tena-Tomás C., Batten C., Frost L., Flannery J., Gubbins S., Lubisi B.A., Sánchez-Vizcaino J.M., Emery M., Sturgill T., Ostlund E. & Castillo-Olivares J. (2019). – Assessment of reproducibility of a VP7 Blocking ELISA diagnostic test for African horse sickness. *Transbound. Emerg. Dis.*, **66** (1), 83–90. <https://doi.org/10.1111/tbed.12968>.
2. Elschner M.C., Laroucau K., Singha H., Tripathi B.N., Saqib M., Gardner I., Saini S., Kumar S., El-Adawy H., Melzer F., Khan I., Malik P., Sauter-Louis C. & Neubauer H. (2019). – Evaluation of the comparative accuracy of the complement fixation test, Western blot and five enzyme-linked immunosorbent assays for serodiagnosis of glanders. *PLoS ONE*, **14** (4), e0214963. <https://doi.org/10.1371/journal.pone.0214963>.

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12, rue de Prony - 75017 Paris, France  
Tel.: +33 (0)1 44 15 18 88 - Fax: +33 (0)1 42 67 09 87 - [oie@oie.int](mailto:oie@oie.int)