



WORLD ORGANISATION FOR ANIMAL HEALTH
Protecting animals, preserving our future

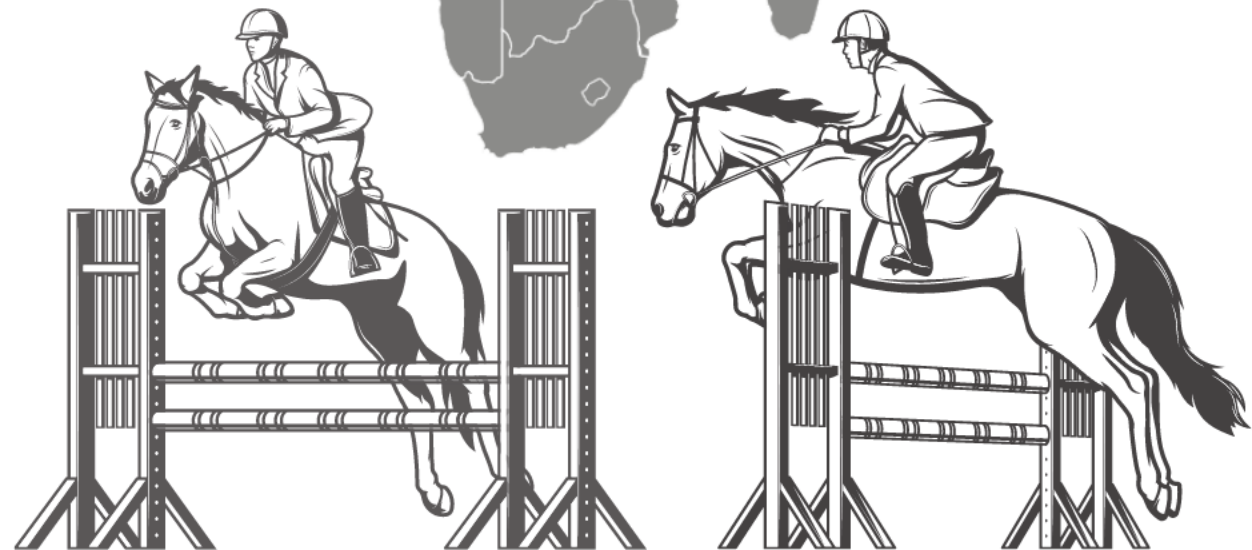
OIE 3rd Regional Webinar on:

OIE international standards and tools to facilitate international movement of (competition) horses, procedures supporting the publication of self-declarations of animal health status and the official recognition of African horse sickness (AHS) free status

10-11 May 2022 (08:00 AM – 11:30 AM GMT)

Equine diseases situation in MENA region

Dr Lina Awada – Veterinary epidemiologist – OIE World Animal Health Information and Analysis Department





Standards for listing diseases

Chapter 1.2. of the OIE *Terrestrial Animal Health Code* :

1

International spread of the pathogenic agent and at least one country has demonstrated freedom

AND

2

Transmission to humans with severe consequences

AND

3

Reliable means of detection, diagnosis and precise case definition

OR

Significant impact on the health of domestic or wild animals



Equine OIE-listed diseases (2022)

Multiple species (8)

- Anthrax
- Equine encephalomyelitis (Eastern)
- Japanese encephalitis
- New World screwworm (*Cochliomyia hominivorax*)
- Old World screwworm (*Chrysomya bezziana*)
- Infection with rabies virus
- Surra (*Trypanosoma evansi*)
- West Nile fever

Equine (11)

- Contagious equine metritis
- Dourine
- Equine encephalomyelitis (Western)
- Equine infectious anaemia
- Equine influenza
- Equine piroplasmiasis
- Infection with *Burkholderia mallei* (Glanders)
- Infection with African horse sickness virus
- Infection with equid herpesvirus-1 (EHV-1)
- Infection with equine arteritis virus
- Venezuelan equine encephalomyelitis



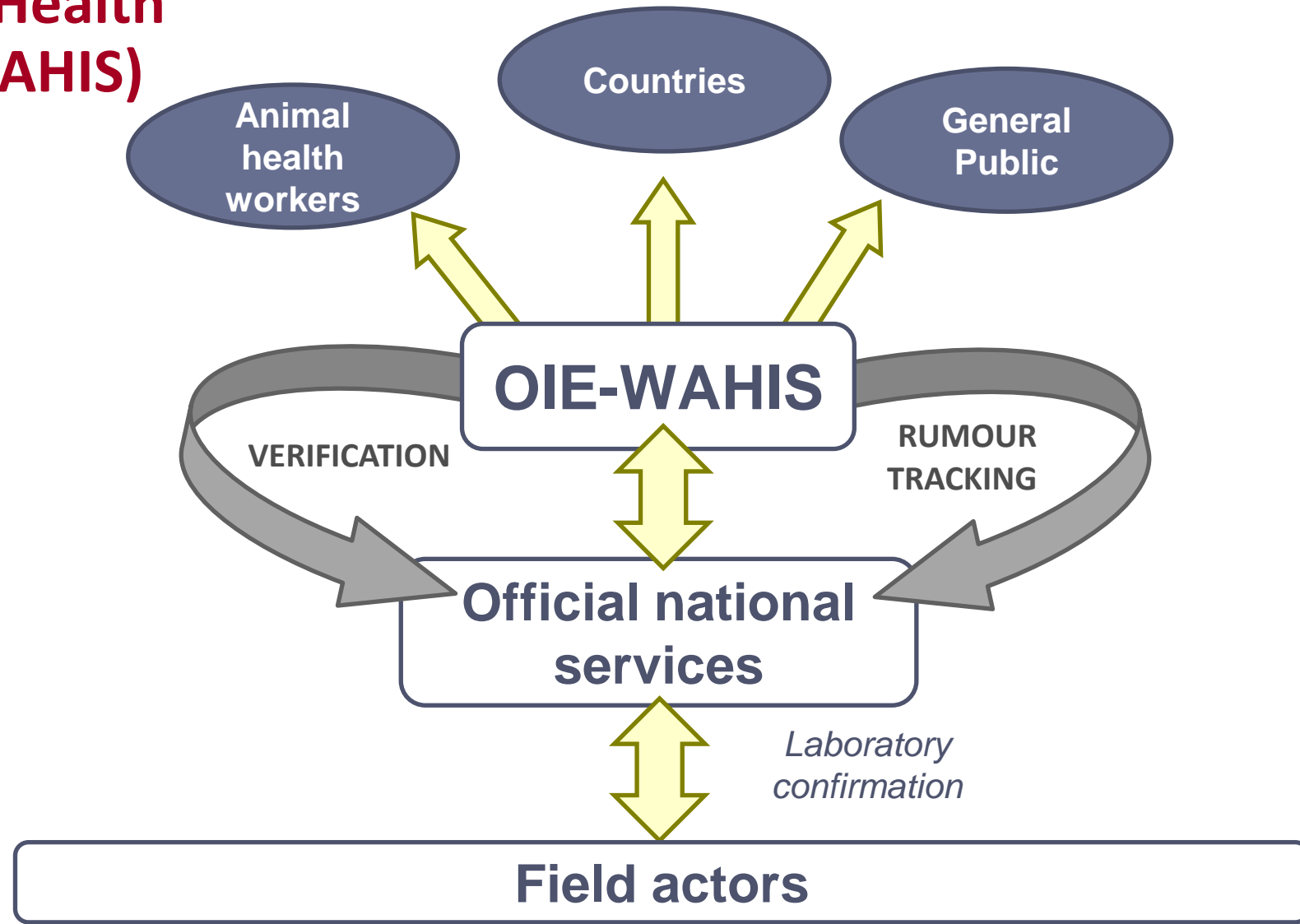
Standards for disease reporting to OIE

- Chapter 1.1. of the OIE *Terrestrial Animal Health Code* for :
 - ✓ Immediate notifications & weekly follow-up reports
 - ✓ Six-monthly reports
 - ✓ Annual reports
- Disease-specific chapters for case definitions





Principles of World Animal Health Information System (OIE-WAHIS)





Situation of horse diseases in MENA Region : Latest information communicated to OIE



Out of the 19 OIE-listed diseases of equids, 5 reported in the region

Disease	Countries in the Region reporting presence
Infection with rabies virus in equidae	7
Equine influenza	2
Equine piroplasmosis	1
Infection with <i>Burkholderia mallei</i> (Glanders)	1
Infection with equid herpesvirus-1 (EHV-1)	1



Situation of horse diseases in MENA Region : latest information communicated to OIE

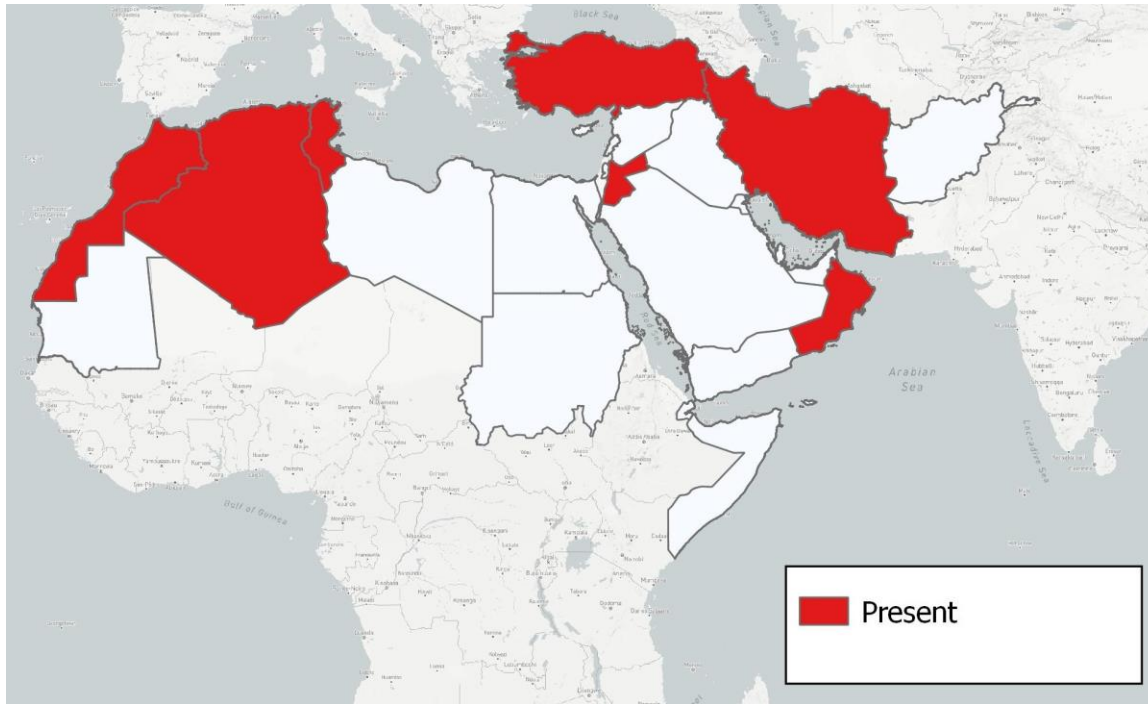


9 countries reporting equine diseases :

- **Iran** 1st semester 2021 (rabies and glanders),
- **Jordan** 2nd semester 2020 (rabies and equine piroplasmiasis),
- **Tunisia** 2nd semester 2019 + early warning 2021 (rabies and equine influenza H3N8),
- **Algeria** 2nd semester 2020/ **Morocco** 2nd semester 2020 /**Oman** 2nd semester 2020 /**Turkey** 2nd semester 2021 (rabies),
- **Egypt** 2nd semester 2020 (EHV-1),
- **Sudan** 2nd semester 2020 (equine influenza subtype unknown)



Situation of horse diseases in MENA Region : latest information communicated to OIE



Infection with rabies virus in equidae



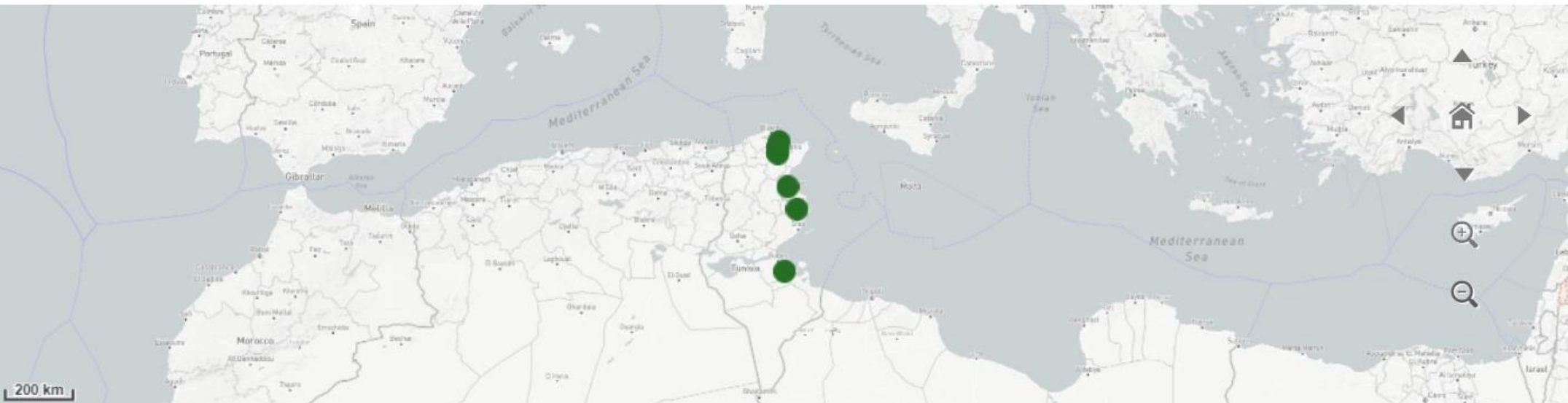
Equine influenza



Situation of horse diseases in MENA Region Exceptional events notified to OIE (2021/2022)

Equine influenza, H3N8: Tunisia, recurrence of an eradicated disease in April 2021 - last occurrence before that was in 2005

All outbreaks resolved as of August 2021



- Domestic
- ▲ Wild
- Mixed
- Resolved
- Continuing
- Cluster



Situation of horse diseases in MENA Region : latest information communicated to OIE



Equine piroplasmosis



Infection with *Burkholderia mallei* (Glanders)



Situation of horse diseases in MENA Region : latest information communicated to OIE



Infection with equid herpesvirus-1 (EHV-1)



Situation of horse diseases in MENA Region : self-declared freedom

Country	Disease
Bahrain	free from infection with rabies virus since 2018 (<i>no case reported for decades</i>)
Egypt	free from equine infectious anaemia since 2021 (<i>never reported</i>), free from infection with <i>Burkholderia mallei</i> (Glanders) since 2020 (<i>last reported case in 1928</i>), free from dourine since 2020 (<i>never reported</i>)
Kuwait	free from infection with <i>Burkholderia mallei</i> (Glanders) since 2020 (<i>last reported case in 2019</i>)
Lebanon	free from infection with <i>Burkholderia mallei</i> (Glanders) since 2012 (<i>last reported case in 2011</i>)

Infection with *Burkholderia mallei* (Glanders) : events in the Middle East in 2007 (Iran), 2010-2011 (Bahrain, Lebanon, Afghanistan), 2017 (Turkey) then 2019 (Kuwait, Turkey)



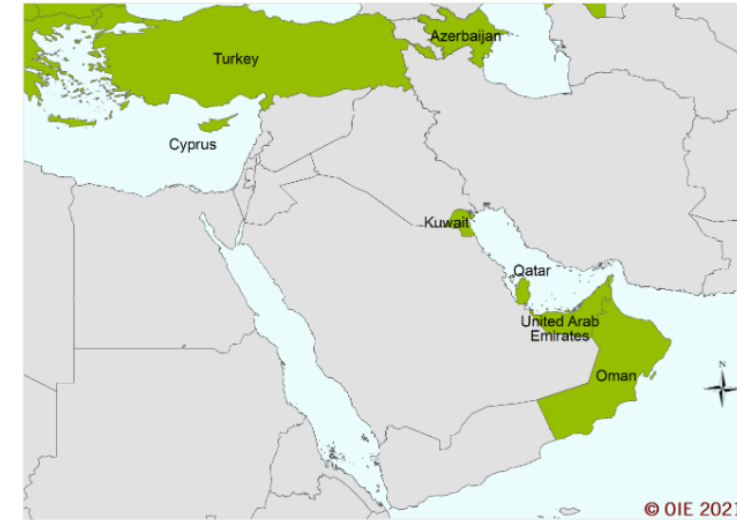
Situation of horse diseases in MENA Region : AHS free status

- Algeria
- Cyprus
- Kuwait
- Morocco
- Oman
- Qatar
- Tunisia
- Turkey
- United Arab Emirates



■ Members recognised as free from AHS
■ Countries without an OIE official status for AHS

MIDDLE EAST: OIE Members' official AHS status map
 Last update May 2021



■ Members recognised as free from AHS
■ Countries without an OIE official status for AHS



Situation of ASH in OIE Members of MENA Region – last occurrence



Country	Disease situation
Afghanistan, Bahrain, Djibouti, Kuwait, Oman, Qatar, United Arab Emirates	Never reported
Algeria, Cyprus, Egypt, Iran, Iraq, Jordan, Lebanon, Libya, Syria, Tunisia, Turkey	Absent – last occurrence in the 1950s/1960s
Morocco, Saudi Arabia, Sudan	Absent – last occurrence in the 1980s/early 1990s
Yemen	Absent – last occurrence in the 2000s
Mauritania, Somalia	Absent – last occurrence in 2010/2011



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