



Overview on animal diseases situation in the Mediterranean basin

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*19th JPC/REMESA – 9-10 December 2019
Larnaca, Cyprus*

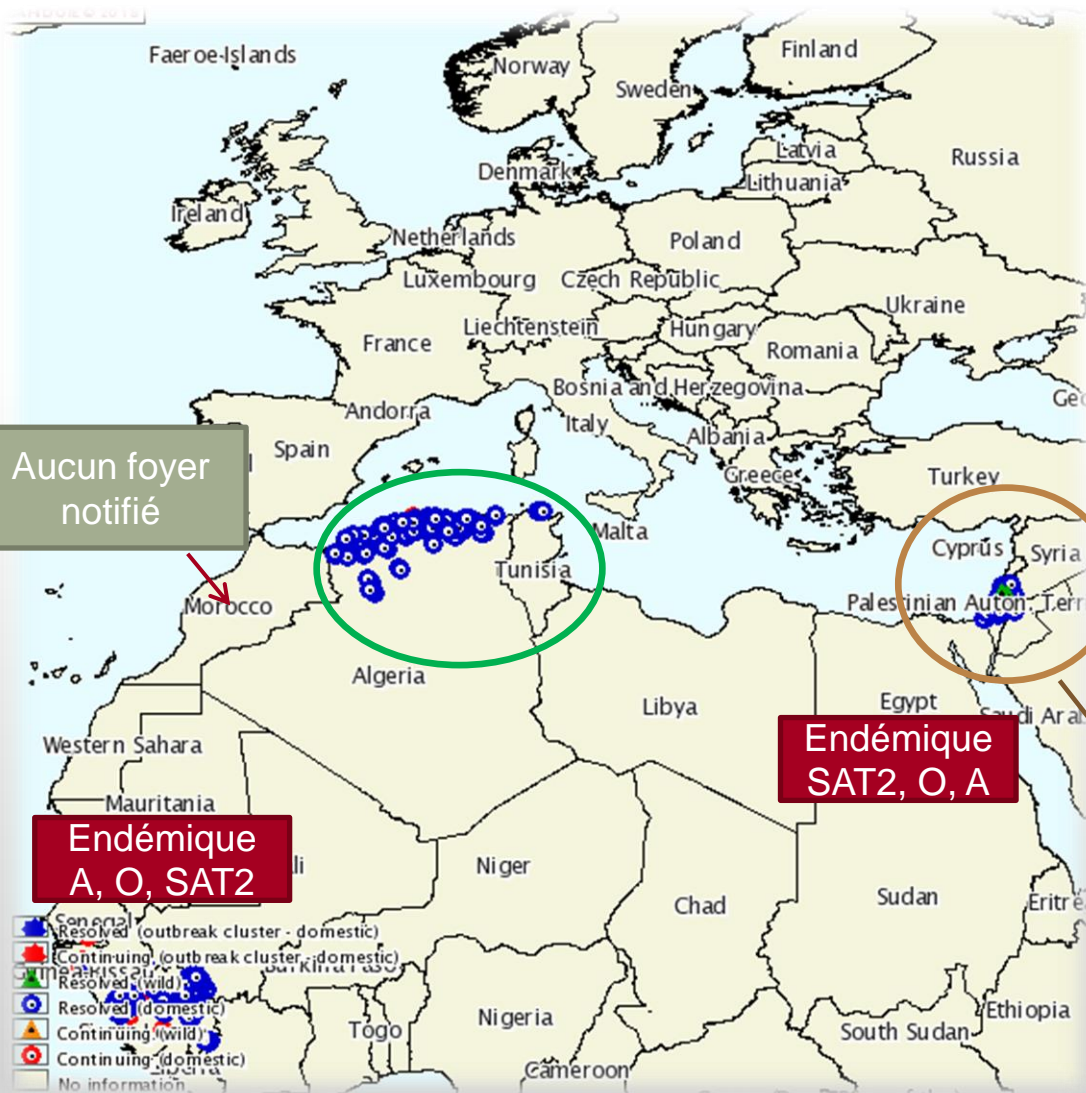
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Current animal health situation



FMD

FMD situation (2017-2018)



□ TUNISIE:

- **2017** (avril) - 2 foyers - (sérotypage A) - événements résolus

□ ALGÉRIE :

- **2017** (mars avril) - 189 foyers (sérotypage A) - événements résolus
- **2018** (juin) - 53 foyers (18 wilayate infectées) (sérotypage O) - événement en cours

□ MAURITANIE:

- En **juillet 2018**, la Mauritanie a enregistré une mortalité élevée chez les agneaux et les veaux lors d'épidémies de fièvre aphteuse (les résultats préliminaires indiquaient le sérotypage O).

WEST EURASIA & MIDDLE EAST

A, Asia 1 and O

The map displays the Mediterranean region with the following countries and territories labeled: Danemark, Lettonie, Russie, Lituanie, Pologne, Tchéquie (Rép.), Hongrie, Ukraine, France, Liechtenstein, Bosnie-Herzégovine, Italie, Albanie, Grèce, Turquie, Chypre, Syrie, Territoires auto. palé, Egypte, Libye, Tunisie, Malte, Portugal, Andorre, Espagne, Maroc, Algérie, Niger, Tchad, Mali, Mauritanie, Sénégal, Guinée-Bissau, Burkina Faso, Erythrée, and Israël. Sampling points are indicated by blue circles, with a few red circles highlighting specific locations. The points are concentrated along the Mediterranean coastlines, particularly in France, Italy, Greece, and Turkey, and are more sparsely distributed in North Africa and the Middle East.

Current and future perspectives



Three main lineages dominate the epidemiology of foot-and-mouth disease in North Africa:

- A / AFRICA / G-IV
- O / EA-3,
- SAT 2 / VII

Unable to establish exact virus origin due to scarcity of available samples / sequences

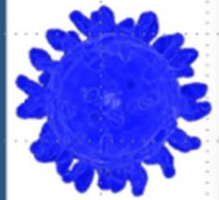
EPIDEMIOLOGIE DE LA FIEVRE APHTEUSE

**OUTILS A NOTRE DISPOSITION POUR LE CHOIX
DES SOUCHES VACCINALES**

6^{ème} Journée scientifique sur les MAT, Tunis

Lazare TANO,
Nicolas DENORMANDIE,

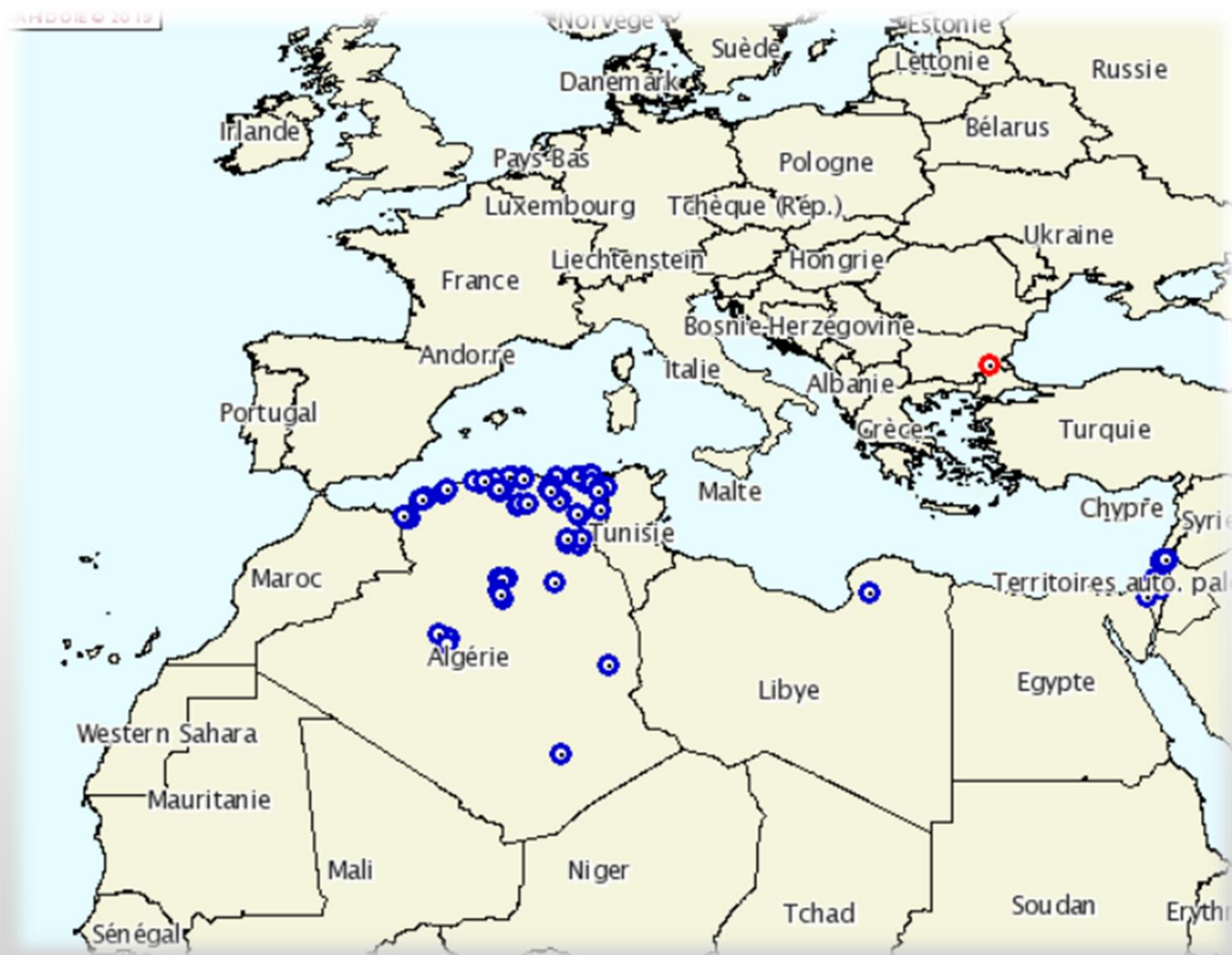
22 Novembre 2018





PPR

PPR situation (2019)



A large, solid red oval shape centered on a white background. The word "RABIES" is written in white, bold, sans-serif capital letters across the middle of the oval.

RABIES

Overall picture of Rabies (Algeria, Morocco and Tunisia)

Examen de la rage et de son contrôle en Afrique du Nord :
situation dans la région

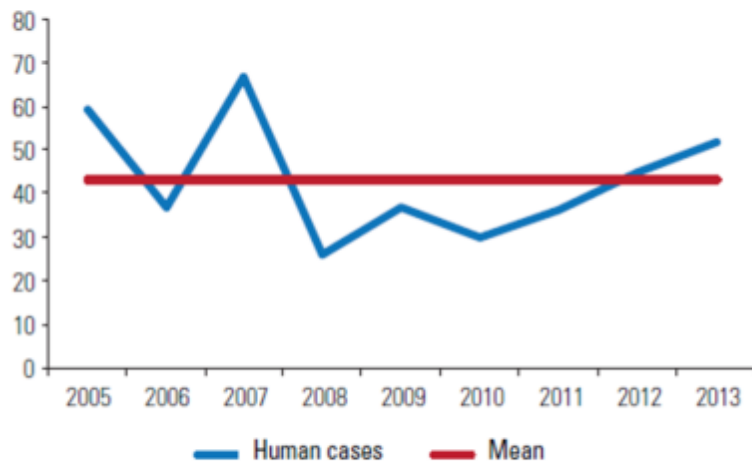


Fig. 1

Total number of human rabies cases in Algeria, Morocco and Tunisia between 2005 and 2013

Source: World Organisation for Animal Health (OIE), World Animal Health Information System (WAHIS)–World Animal Health Information Database (WAHID)

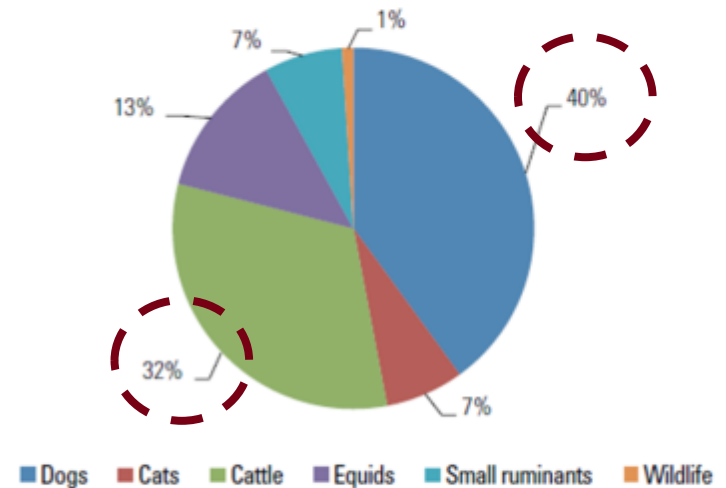


Fig. 2

Percentage of rabies cases in animals by species in the North African region in 2012

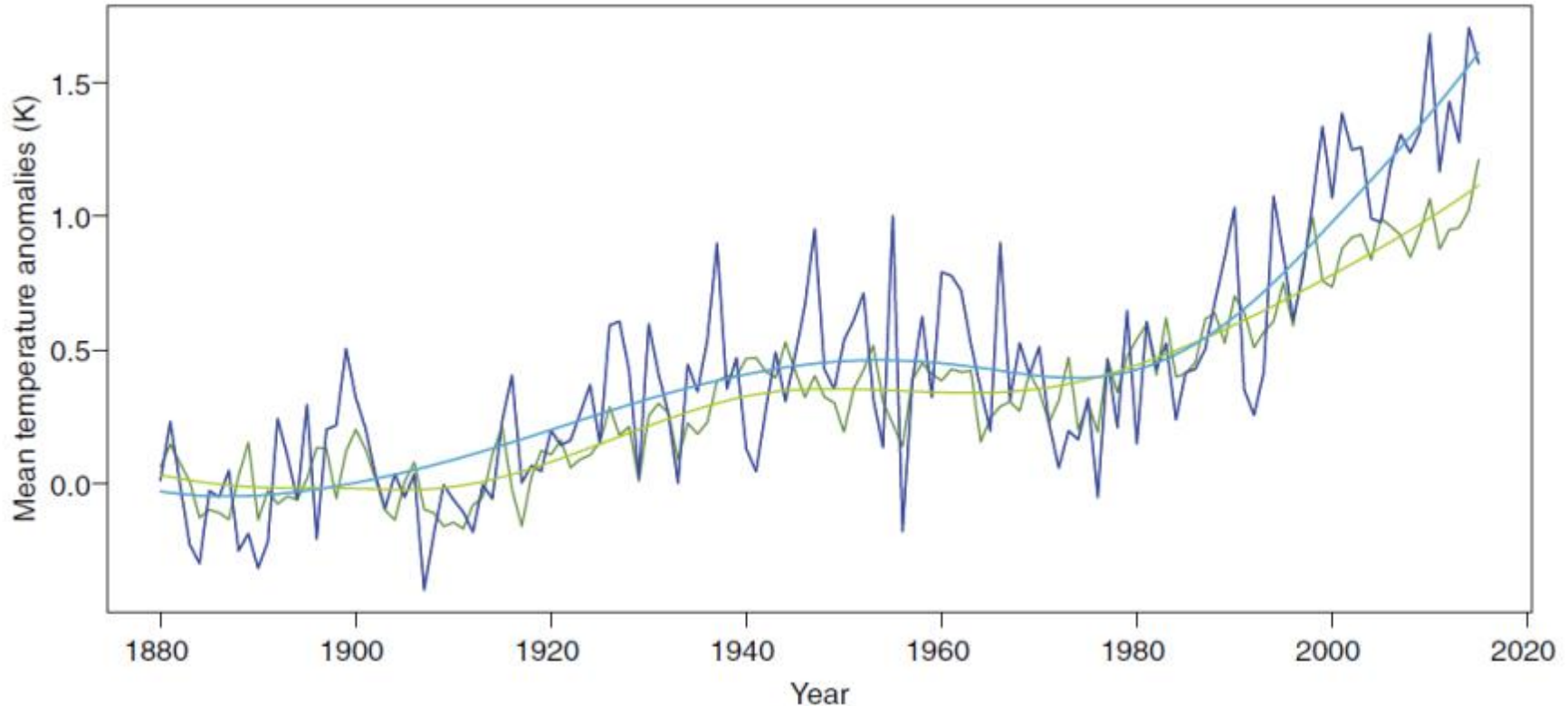
Source: World Organisation for Animal Health (OIE), World Animal Health Information System (WAHIS)–World Animal Health Information Database (WAHID)

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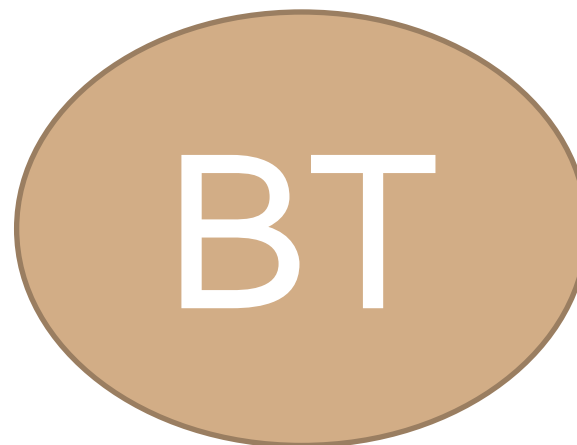
CLIMATE CHANGE AND VECTOR- BORNE DISEASES

CLIMATE CHANGE

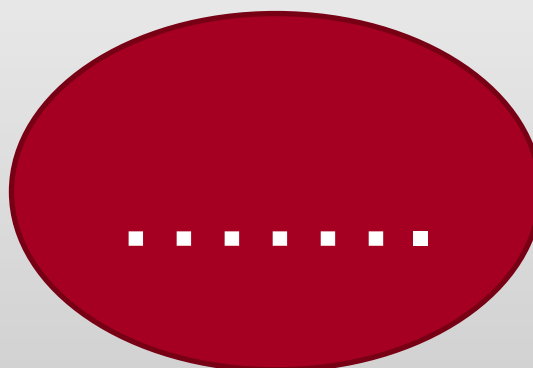
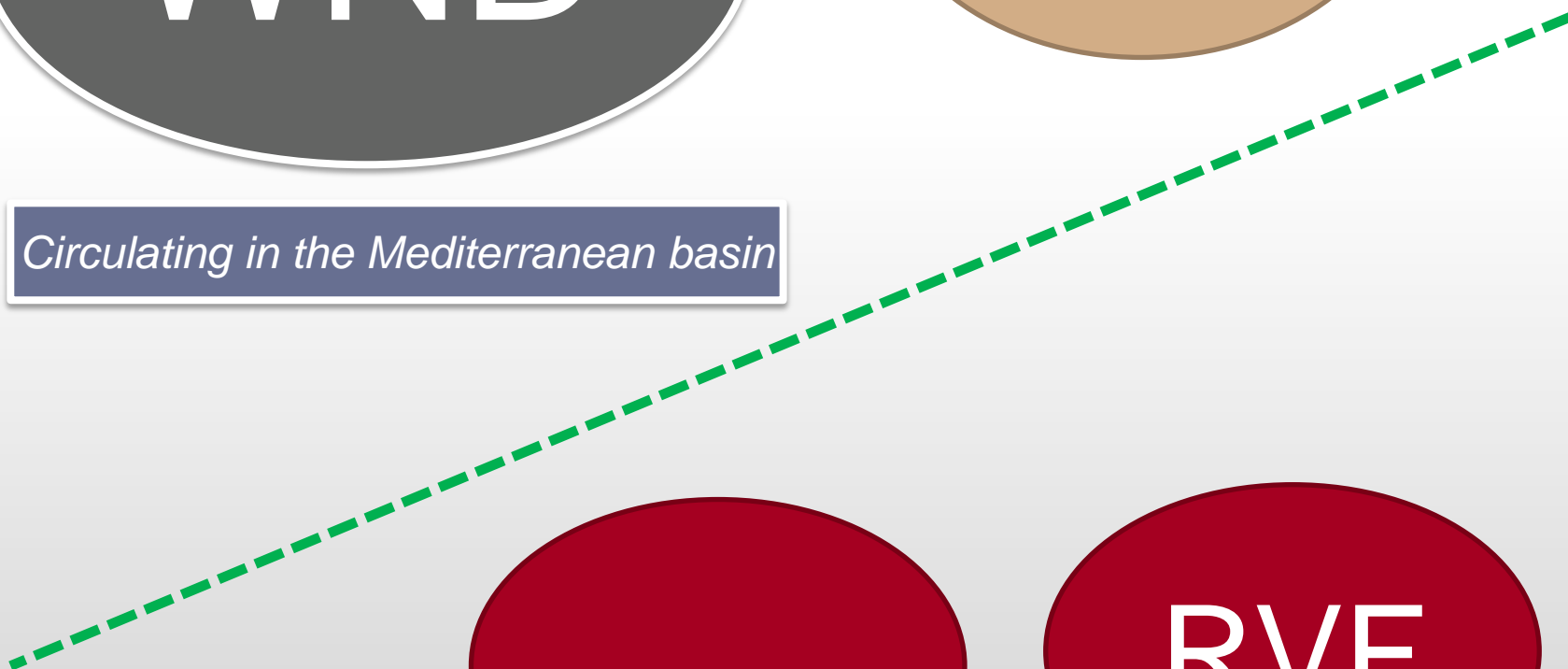
The Mediterranean basin is warming faster than the whole planet. The annual average temperature has already risen by 1.4 ° C compared to pre-industrial temperatures, compared to an average of 1.1 ° C worldwide.



Data from <http://berkeleyearth.org/>



Circulating in the Mediterranean basin



A large, solid red oval is centered on a light gray background. Inside the oval, the text "Other diseases of interest for REMESA" is written in white, bold, sans-serif font, arranged in three lines.

Other diseases
of interest for
REMESA

Brucellosis

Leishmaniasis

Tuberculosis



Present in the Mediterranean basin



Other
emerging
diseases

PRION DISEASE IN DROMEDARY

- ❑ Camel prion disease (CPD) is a newly identified prion disease, recognised in 2018 by Algerian researchers in the region of Ouargla, central Algeria and found subsequently in 2019 in the neighbouring Tunisian region of Tataouine.
- ❑ At the regional level, the CPD was first discussed in the [18th Joint Permanent Committee of REMESA](#) held in Cairo in June 2019.
- ❑ The CPD was later discussed during the 15th Conference of the OIE Regional Commission for the Middle East in November 2019 as an item of the agenda. During the conference, the [CAMENET \(Camel Middle East Network\)](#) launched a wide-ranging proposal for training, surveillance and research on CPD.

Thank you for your attention



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