



# **Foot-and-Mouth Disease situation in Northern Africa and EU risk mitigation actions**

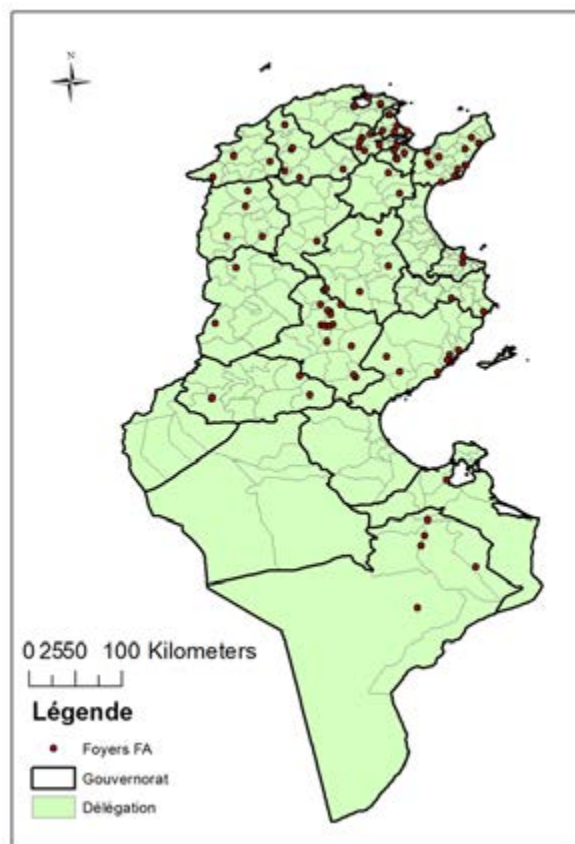
**8 October 2014  
Unit G2 Animal Health  
DG SANCO**



## FMD situation in Northern Africa

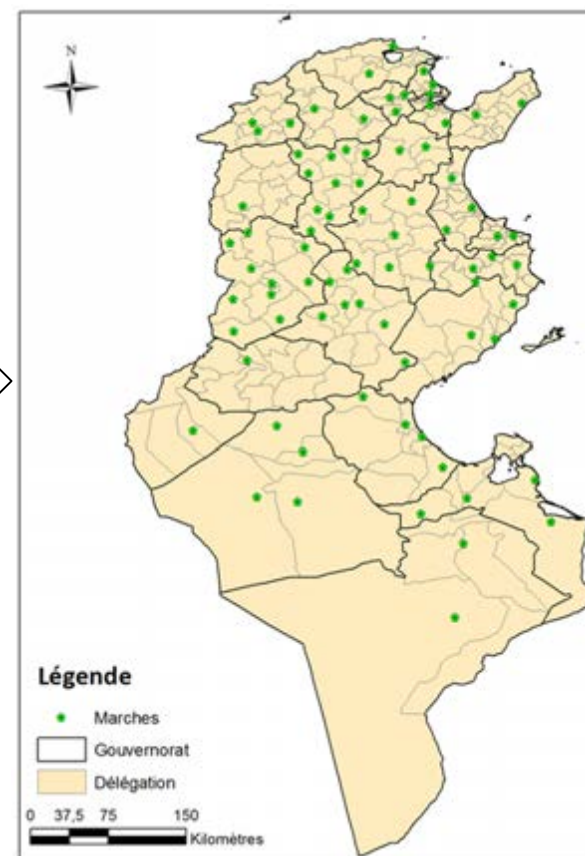
- FMD absent from Northern Africa since outbreak in Tunisia (O - West Africa) in 1999
  - EU supplied vaccines to control the outbreak
- FMD in **Libya** since 2009 (A, SAT 2, O<sub>ME-SA/Ind-2001</sub>)
- OIE endorsed official control program for FMD for Tunisia, Algeria and Morocco in May 2014
- FMD (O<sub>ME-SA/Ind-2001</sub>) introduced into **Tunisia**, 134 outbreaks since 25.4.2014
- FMD (O<sub>ME-SA/Ind-2001</sub>) in **Algeria**, 418 outbreaks since 25.7.2014
- No outbreak of FMD in **Morocco** so far

# FMD situation in Tunisia

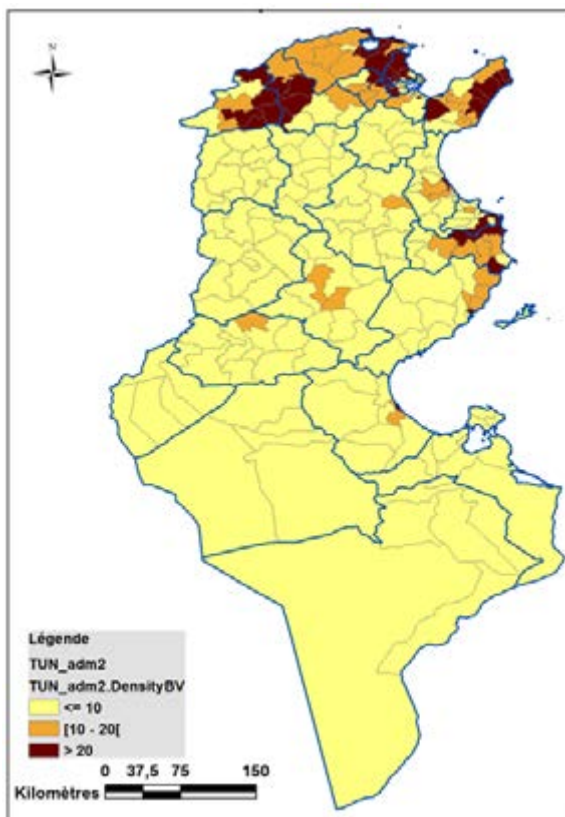


FMD outbreaks

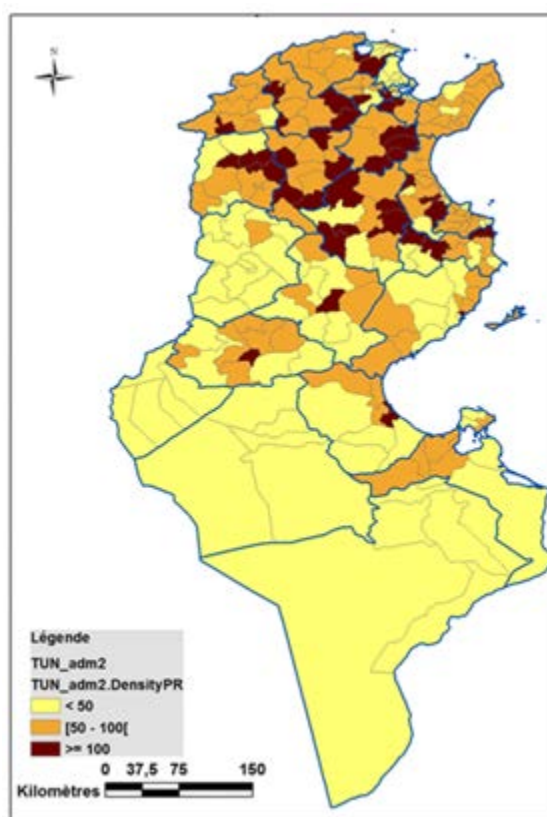
Markets



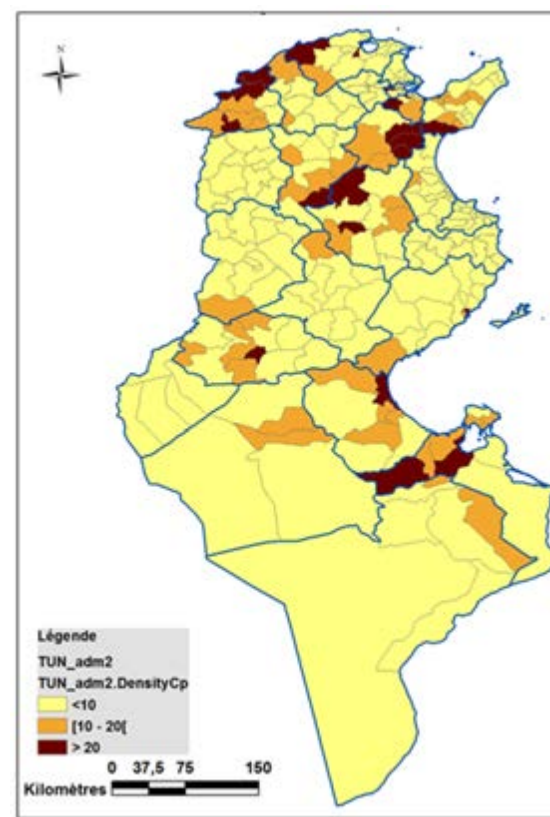
## Livestock densities (animals/km<sup>2</sup>)



Bovine animals



Ovine animals



Caprine animals



## Control measures in Tunisia

- **Annual Vaccination programme** for bovine and small ruminants since 1999 in the period from September to November (A, OManisa, SAT 2)
- **Emergency vaccination** in May 2014 in all bovine herds and vaccination in small ruminants in September 2014
- **NO** movement restrictions (absence of traceability)
- **NO** closing of animal markets (risk of illegal markets)
- **NO** stamping out (absence of funds for compensation)

# FMD situation in Algeria

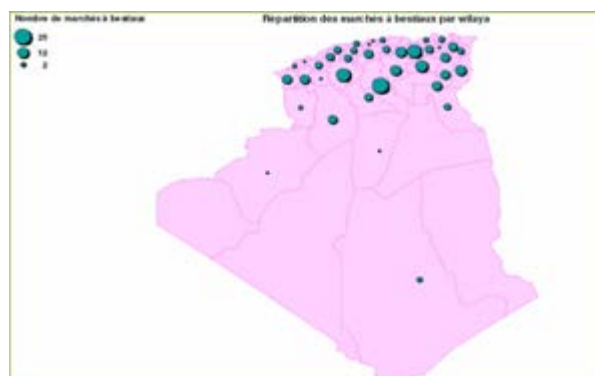
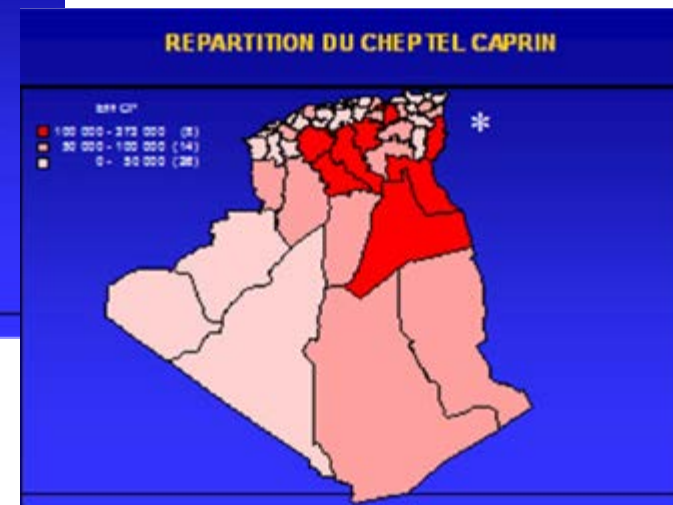
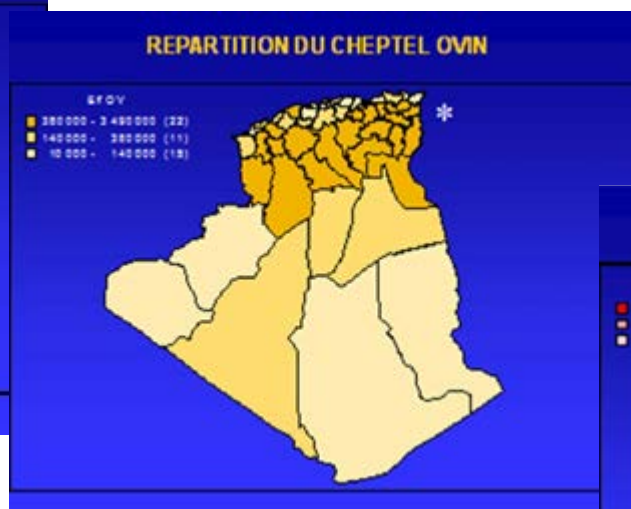
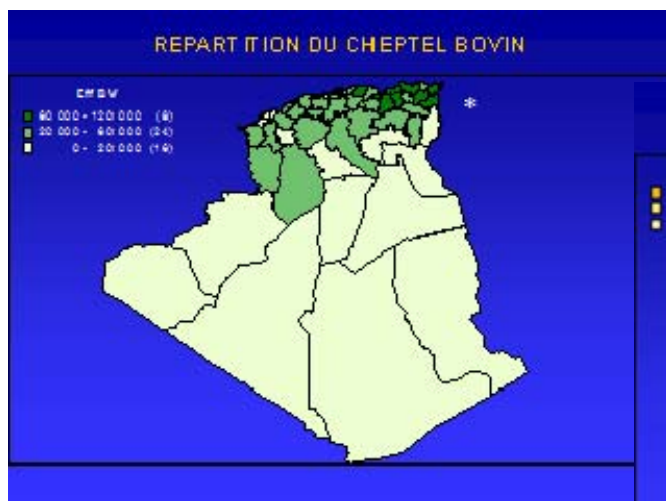
## Event summary: Foot and mouth disease, Algeria

Start of event	23/07/2014
Confirmation	25/07/2014
Report date	27/07/2014
Submission date	27/07/2014
Reason	Reoccurrence
This event pertains to	a defined zone within the country
Number of outbreaks	418
Date resolved	Continuing
Epidemiological comments	Other control measures: - Closing of livestock markets in the affected wilaya and the neighboring wilayas - Ban on movement of animals within the infected wilaya - Movement control in the neighboring wilayas - Investigations strengthened. It is an outbreak in an area of high concentration of cattle, in a 20 km <sup>2</sup> area; this is an area of high concentration of fattening cattle.



**418 outbreaks notified to OIE by 7 August 2018**

# Livestock densities (animals/km<sup>2</sup>)



← Markets



## Control measures applied in Algeria

- **Annual vaccination campaign for bovine** herds since 1999 ( A, OManisa)
- **Emergency vaccination** of all bovine herds in May 2014
- Closing of livestock markets in the affected and neighbouring administrative regions (wilayahs)
- **NO** vaccination in small ruminants
- **NO** systematic stamping out of infected herds
- **NO** effective movement restrictions (no traceability)





## FMD situation in Morocco

- **No outbreak** so far
- Morocco ceased annual vaccination in 2007
- Emergency vaccination in all bovine herds in border regions with Algeria in August 2014
- Remaining bovine herds to be vaccinated in October 2014
- Routine vaccination of bovines to continue for some years to maintain OIE FMD free status with vaccination
- No vaccination foreseen in small ruminants



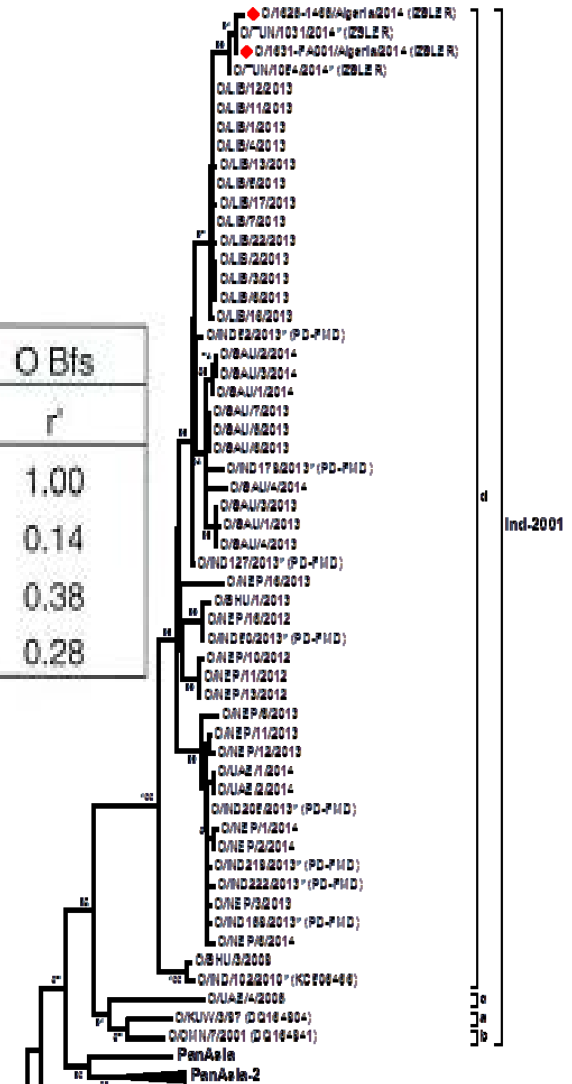
## Main risks identified

- Lack of coordination between and insufficient measures to control FMD in the affected countries
- Aid El Adha 5 October 2014
  - large numbers of FMD susceptible animals are moved
  - risk of illegal introduction of meat into EU
- Movements of lorries/cars from infected areas
- Imports of horses - risk of contamination of transport
- Limited resources of the most effective vaccines in EU antigen bank

# FMD virus and vaccine

- Multiple incursions into Middle East and North Africa of FMD viruses from India/Buthan
- Weak match with vaccine strains typically used in North of Africa

Virus	$r'$
O BFS VV	1.00
O LIB 17/13	0.14
O NEP 01/14	0.38
O UAE 01/14	0.28





## Measures taken by Commission

- Genetic and antigenic **characterisation** of the causative virus (EU Reference Laboratory)
- **Donation of trivalent vaccines**
  - 1 million doses to Tunisia (21 August)
  - 100 000 doses to Algeria (19 August)
- **Participation in OIE meeting** in September in Tunisia with the CVOs of Algeria, Morocco and Tunisia and EuFMD
- **Training** of veterinarians (Trust Fund EuFMD)
- Coordination with **REMESA** Member States
- Arrangements for the procurement of antigens



## EU rules to prevent introduction of FMD

- **Directive 2004/68/EC** laying down animal health rules for the importation into and transit through the Community of certain live ungulate animals
  - **Approval of third countries through veterinary inspections**
- **Regulation (EU) No 206/2010** laying down lists of third countries, territories or parts thereof authorised for the introduction into the European Union of certain animals and fresh meat and the veterinary certification requirements
- **Directives 91/496/EEC** and **98/78/EC** laying down the principles governing the organization of veterinary checks on animals and products entering the Union from third countries



## Reinforced controls at borders

- **COMMISSION IMPLEMENTING DECISION**  
2014/689/EU of 29 September 2014 on measures to prevent the introduction into the Union of the foot-and-mouth disease virus from Algeria, Libya, Morocco and Tunisia
  - operator or driver of a livestock vehicle or livestock vessel on arrival from Algeria, Morocco, Libya or Tunisia provides to the competent authority of the Member State at the point of entry in the Union information showing that the vehicle or vessel has been cleansed and disinfected after the last unloading of animals



# EU rules to control FMD

- **Council Directive 2003/85/EC**
  - **Comprehensive set of rules for the control of FMD in the EU**
  - **Compulsory notification of suspicion of FMD**
  - **Movement restrictions**
  - **Stamping out**
  - **Emergency vaccination**
  - **Contingency plans**
  - **EU antigen bank**
  - **EU Reference laboratory**



## EU rules to minimise risk of spread of FMD

- **Regulation (EU) No 652/2014** of the European Parliament and of the Council of 15 May 2014 laying down provisions for the management of expenditure relating to the food chain, animal health and animal welfare, and relating to plant health and plant reproductive material, ...
  - Financing of Control measures, compensation to farmers, establishment of vaccine banks, reference laboratories, collaboration with neighbouring countries and international organisations
- **Safe trade** (64/432/EEC, 91/68/EEC, 92/65/EEC)
  - Conditions regulate movement with the prospect of disease in mind
- **Veterinary checks** (90/425/EEC and 89/662/EEC)
- **Regulation (EC) No 1069/2009** on animal by-products
  - Safe disposal of dead animals, placing on the market of ABP