



**EUFMD**

EUROPEAN COMMISSION FOR THE CONTROL OF FOOT-AND-MOUTH DISEASE



**eofmd**  
e-Learning



**III**  
3 PILLARS of  
the EuFMD



# THRACE surveillance programme

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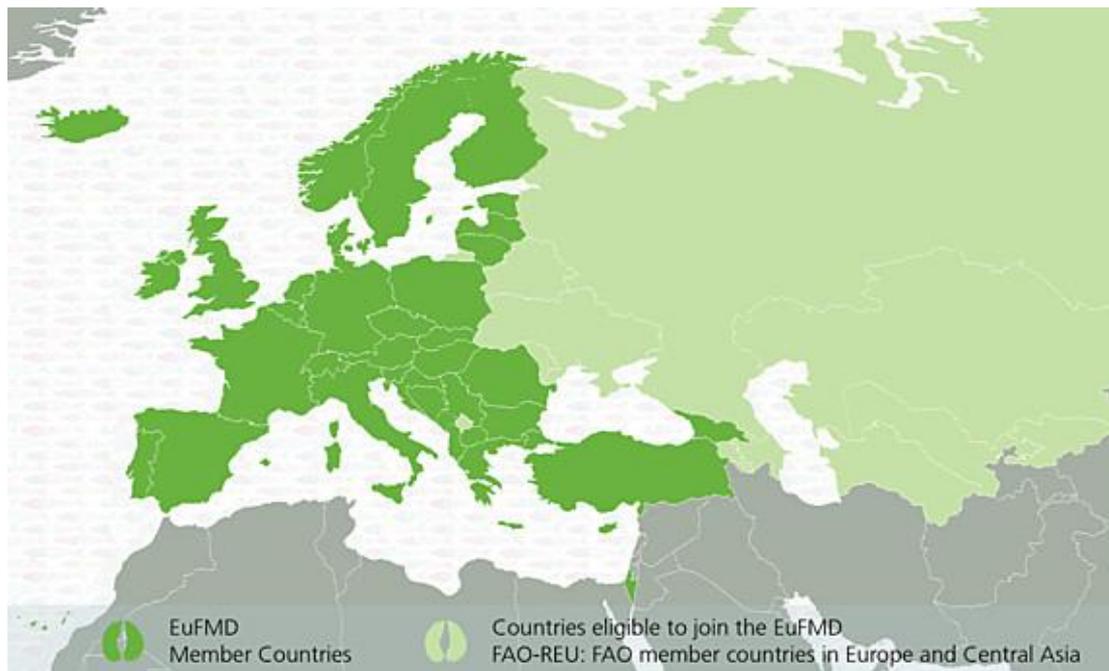


# EuFMD Commission

**One of the first Commissions of the Food and Agriculture Organization (1954)**

- Support member countries in the European region to prevent and/or control FMD
- Funded by Member States and the European Commission

## 39 Member States



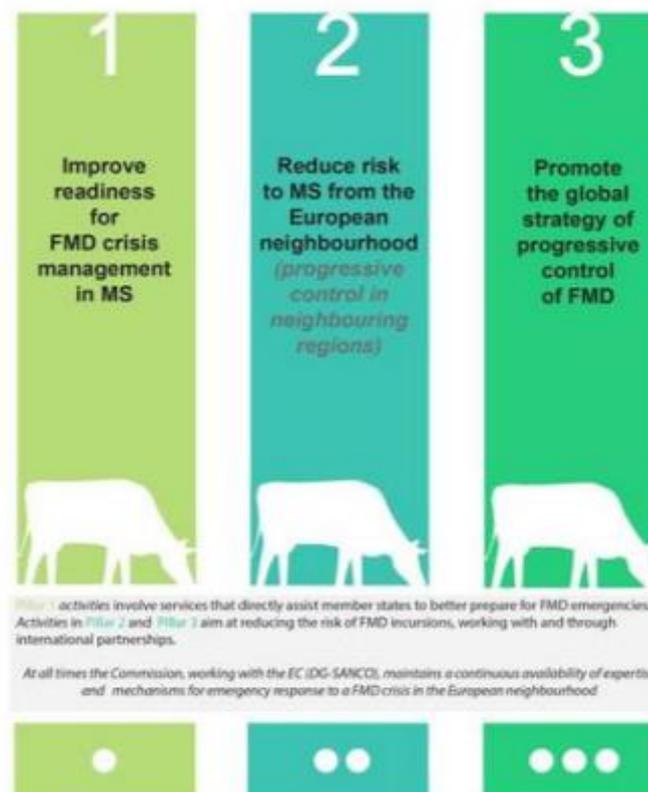


# Three Pillars

## The Three Pillars

- 1) **Improve readiness** for FMD crisis management by member states
- 2) **Reduce risk** to Members from the FMD situation in the European Neighbourhood
- 3) Greater implementation of the **Global Strategy for the control of FMD**

(and at all times maintain availability of expertise required for emergency response)





# THRACE surveillance programme

(Transboundary High-Risk Area Coordinated Epidemio-surveillance)

High-risk area for the introduction of exotic diseases into Europe

Current objectives of the risk-based surveillance:

- increase confidence of freedom
- increase the likelihood of early detection of incursion





# Surveillance for Thrace region

## Ongoing surveillance activities

- Clinical examination
- Serosurveys
- Abattoir surveillance
- Passive farmer reporting

Performed by national consultants



# Database

Files

✓ Bulgaria THRACE Ma...

✓ Greece THRACE Mas...

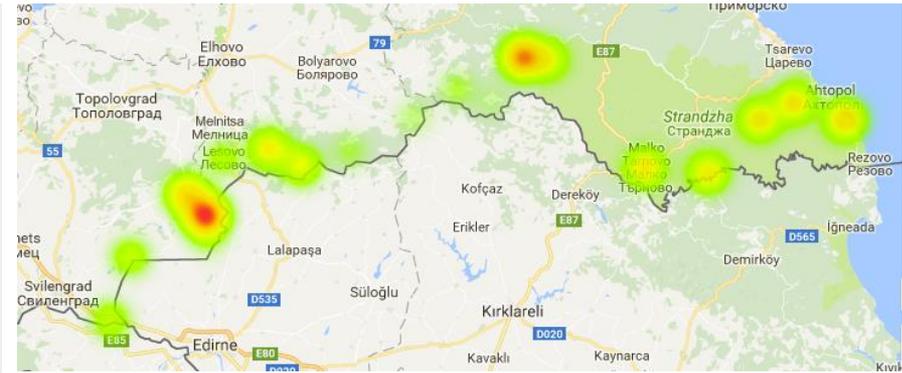
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✓ tna\_for\_google

✓ Turkey THRACE Mas...



## Bulgaria THRACE Master Database

Copied at Wed Dec 30 05:01:55 PST 2015 from <http://www.google.com/fusiontables/DataSource?do...> [more >>](#)  
Edited at 01:32

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Rows 1

Cards 1

Map 1

Filter No filters applied. Sorted by 'Date of inspection'

Saved

1-100 of 328

Date of inspection	Country	District	Village	Farm Latitude	Farm Longitude	Cattle	Sheep	Goats	Pigs	W Buffalo	Cattle clin exam	Cattle clin pos FMD	Cz
2017-02-21	Bulgaria	Svilengrad	Kapitan Andreevo										
2017-02-20	Bulgaria	Malko Tarnovo	Slivarovo				41	40					
2017-02-16	Bulgaria	Topolovgrad	Filipovo (Topolovgrad)			206	32				51		
2017-02-16	Bulgaria	Topolovgrad	Prisadets			101		131			45		
2017-02-15	Bulgaria	Sredets	Belevren			160					50		
2017-02-14	Bulgaria	Elhovo	Lesovo			266	630	197		35	30		
2017-02-14	Bulgaria	Topolovgrad	Radovets			95	335	414			43		
2017-02-14	Bulgaria	Sredets	Gorno Yabalkovo			148	356	17			49		
2017-02-13	Bulgaria	Tsarevo	Brodilovo			101	178	63		10	45		



# Cameron Model

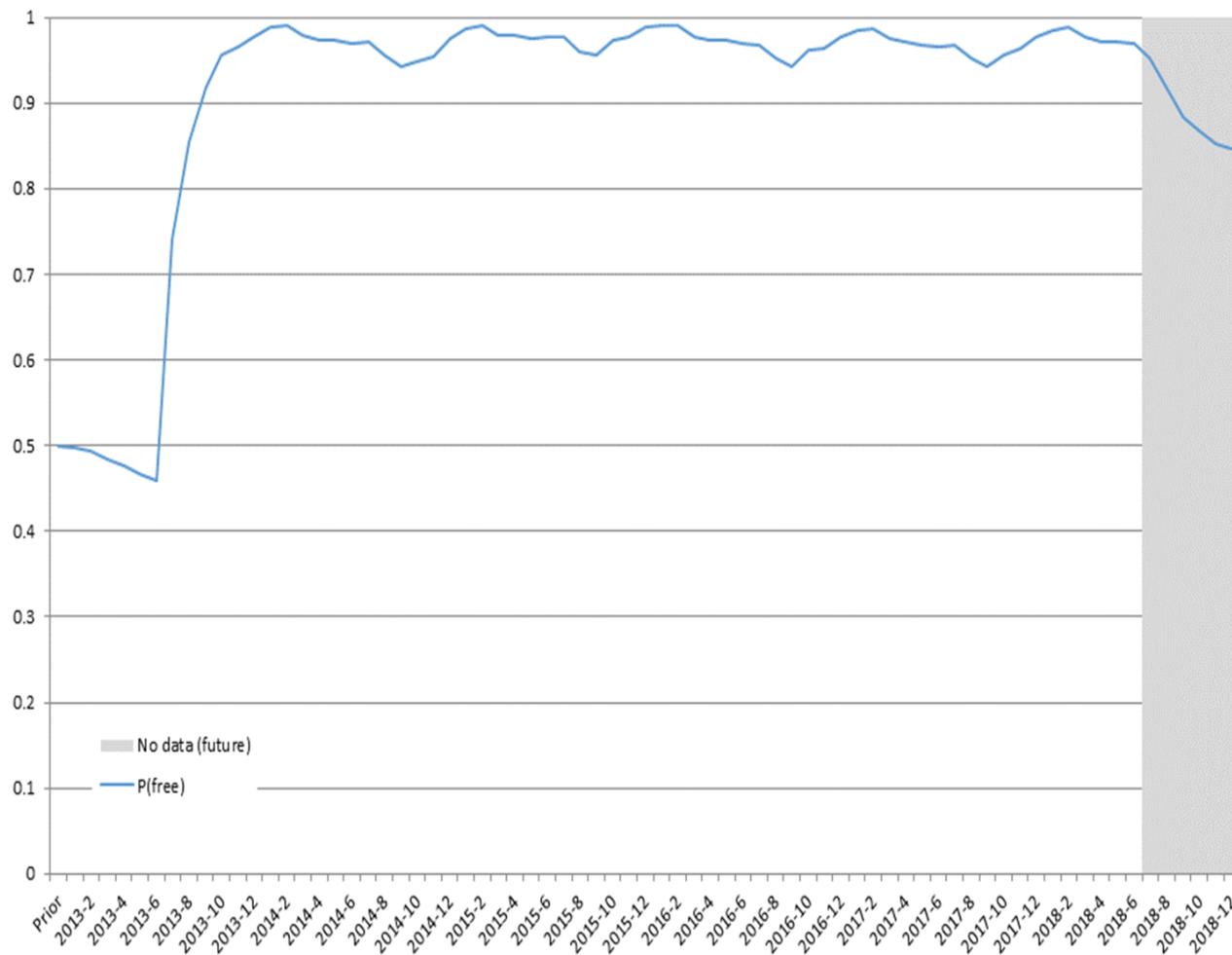
## PARAMETERS

- Design prevalence values
- Probability of introduction of Infection
- Seasonal Variation
- Herd-Level Risk Factors
- Surveillance sensitivity (type)



# Bulgaria

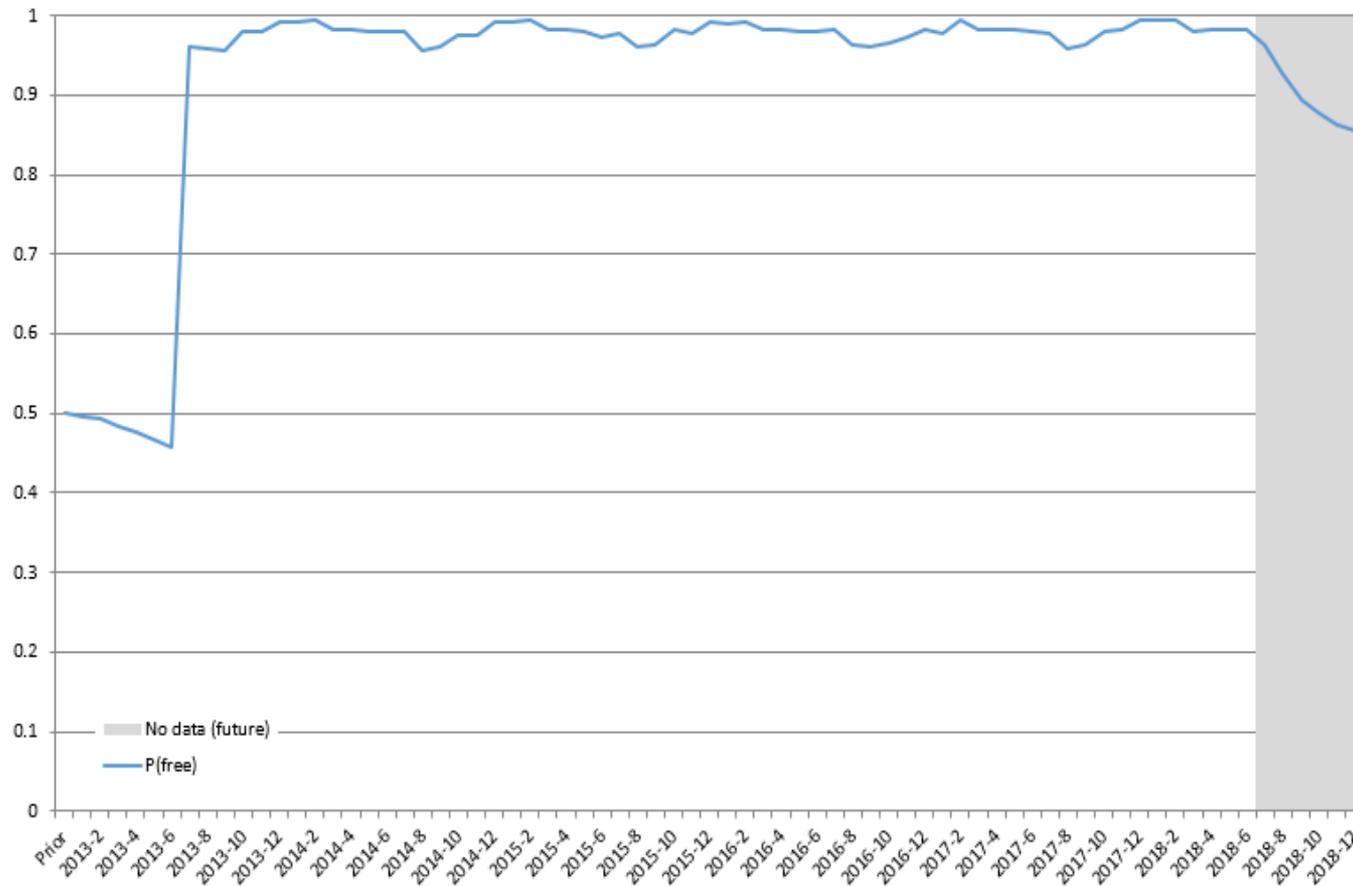
Month	Confidence of Freedom
JANUARY	96.8%
FEBUARY	96.4%
MARCH	96.1%
APRIL	97.2%
MAY	97.2%
JUNE	97.0%





# Greece

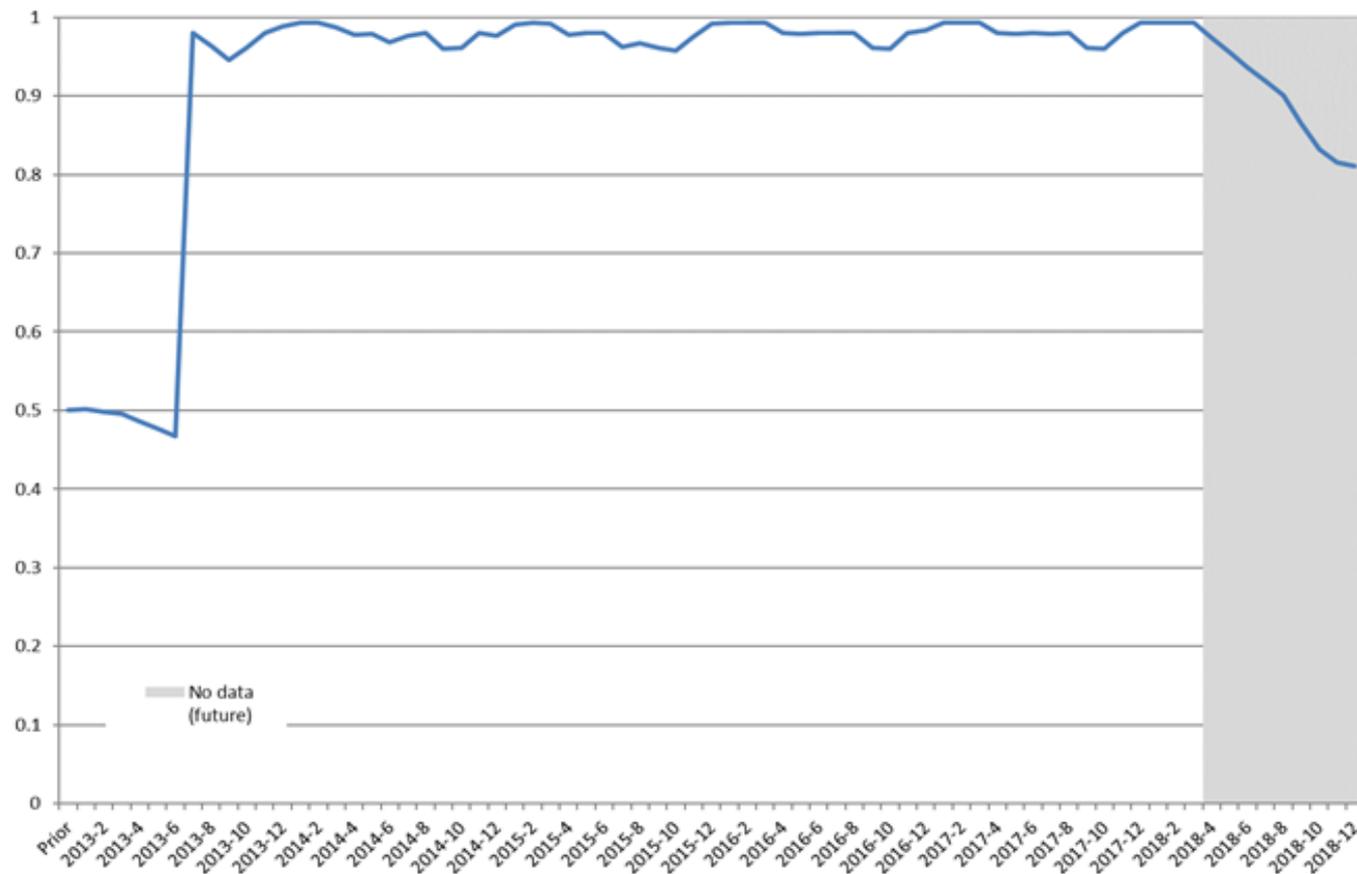
Month	Confidence of Freedom
JANUARY	98.6%
FEBRUARY	98.3%
MARCH	98.5%
APRIL	98.1%
MAY	98.1%
JUNE	98.5 %





# Turkey

Month	Confidence of Freedom
JANUARY	99.3%
FEBUARY	99.3%
MARCH	99.3%
APRIL	98.2%
MAY	98.1%
JUNE	98.2%





# FMD diagnostic bank for Balkan countries

- Current stocks of reagents for FMD in the countries are low
  - mainly limited to PTS requirements
  - enough to test small number of samples (suspicions)
- In case of an FMD outbreak – there will be rapid rise in demand

## Ongoing study to identify needs and options for diagnostic FMD bank in Balkan countries

- Location/storage
- Capacity – number of tests/methods
- Sustainability (use of reagents before expiration dates)
- Communication and coordination
- Import issues ?



## Lab SimEx 2016 results

Import procedures in the non-EU countries identified as serious problem  
(and labs technically competent to perform the tests)

	Delivery on time	Antibody ELISA	Antigen ELISA	PCR
EU Country 1	10	10	10	10
EU Country 2	10	10	10	10
EU Country 3	10	10	10	10
EU Country 4	10	10	10	10
Non EU Country 1	7	10	10	0
Non EU Country 2	3	10	10	10
Non EU Country 3	7	10	10	10
Non EU Country 4	0	10	10	10
Non EU Country 5	7	10	10	0
Non EU Country 6	10	10	10	10
Non EU Country 7	Delivery not possible due to import issues			

### Delivery

0 = not delivered normally  
 3 = 15 days delay  
 7 = 7 day delay  
 10 = no delay

### Diagnostics

0 = not performed  
 10 = performed



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# THANK YOU



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