

Increasing emergency preparedness: EuFMD training approach



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Recently updated: open access e-learning courses

Content

- EuFMD training approach
- EuFMD training options
- The work done in Thrace

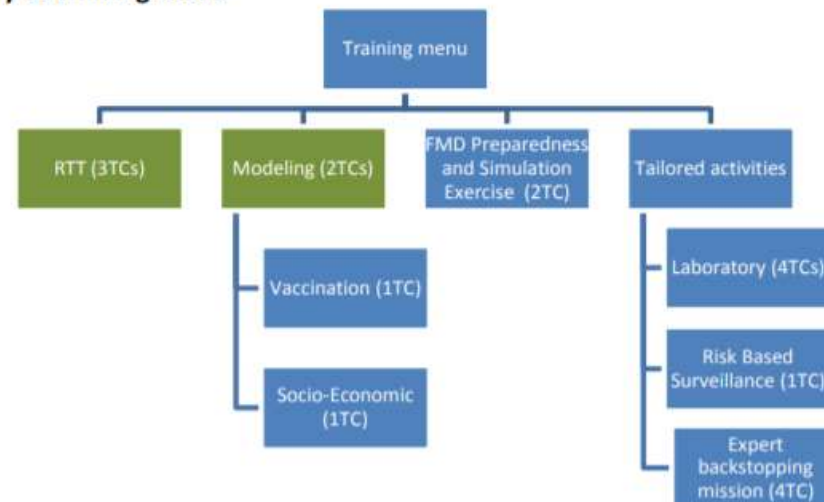
EuFMD training approach: A training programme based on needs

- Needs assessment: expert opinions + consultation to the member states
- Network of training focal points
- Two-year training period
- Development of a training menu

EuFMD training approach: Our training menu

- Each country is given 10 training credits (TC) at the beginning of the training period
- Each training option has a cost in TC: Each country decides how to spend their 10 TC

Summary of training menu



EuFMD training options




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**program
training
eofmd**

We have designed an innovative training programme for you

Face 2 face, online, in the field and on-demand training.
Open access to courses, resources and webinars. National consultations.

 Food and Agriculture
Organization of the
United Nations

 **eofmd**
european commission for the
control of foot-and-mouth disease



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Workshops in Europe

- Foot-and-Mouth Disease Containment Zones
- Simulation exercises for FMD
- FMD wildlife surveillance
- Crisis management and communication
- Putting vaccination into practice
- Modelling workshop



E-learning courses: FMD Emergency preparation course

- In English with participants from different countries
- Country specific: Hungarian, Estonian, French,...
- Bilingual: ES/EN for the Caribbean, in collaboration with Caribvet and Panaftosa

FMD Emergency Preparation Course for the Caribbean Region



Welcome

A warm welcome to the FMD Emergency Preparation Course for the Caribbean region. This course is designed to allow you to prepare for a foot-and-mouth disease (FMD) emergency by rapidly improving your knowledge of FMD diagnosis and outbreak investigation.

Course trainers / Instructores del curso:



María de la Puente Arévalo,



Rossana Allende,



Melissa McLaws and



Pablo Romero Barrios

Bienvenidos

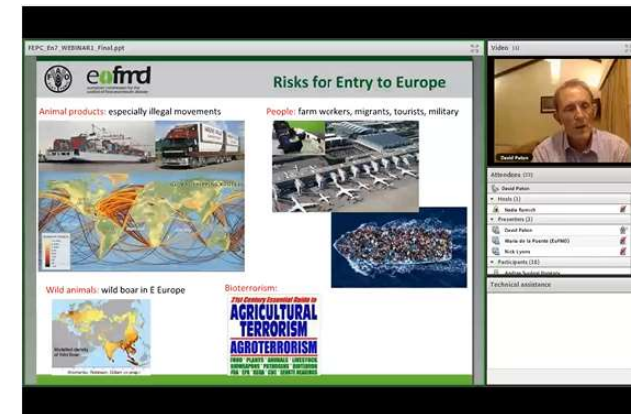
Bienvenido al Curso de Preparación para Emergencias de fiebre aftosa para la región del Caribe. Este curso se ha diseñado para ayudarte a prepararte en el caso de una emergencia sanitaria debido a fiebre aftosa (FA), por medio del desarrollo de tu conocimiento en el diagnóstico de FA y las investigaciones epidemiológicas de un brote.

E-learning courses: FMD Emergency preparation course





Learning modules, webinars, discussion forum, FMD experts,...

About 150 vets per course, to learn:

- Aetiology and pathogenesis
- Clinical and laboratory diagnosis
- Epidemiology and outbreak investigation
- Biosecurity



Add A New Discussion Topic

| Discussion | Started by |
|---|--|
| Virus Transmission |  David Paton |
| Risk of FMD being introduced in Europe/USA/Canada |  Maria de la Puente Arevalo |
| Aetiology and Pathogenesis Discussion |  Adam Smith |
| Risk of FMD being introduced in Europe, Bulgaria |  Nikolai Nenov |





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Real Time Training (Kenya, Uganda, Nepal)

- Unique opportunity to gain first-hand experience in the diagnosis and investigation of FMD outbreaks
- Participants attending these courses commit themselves to cascade down what they have learnt



Regional approach & in-country missions

- Incentives for regional initiatives to promote better cooperation between neighbouring countries
- In-country missions for better tailored training options: Modelling missions



Laboratory course

- This course helps countries that need to build capacity in FMD laboratory diagnostic techniques.
- Organized by The Pirbright Institute



Bio-risk management course (in development)

- Online course with different modules targeted to different professionals according to their level of responsibility in the bio-risk management system of the laboratory



- From an introductory course to a complete course on the Minimum Bio-risk Management Standards



Simulation exercises in The Balkans

- Multiple simulation exercises and missions to assist these countries to improve their contingency plans





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EuFMD networks

Would you like to access regular webinars, to connect to colleagues from all over the world working on similar issues and to be up to date with the latest FMD news and research? Then our EuFMD online networks could be for you!

- Modelling Network
- Contingency Planning Network
- Vaccination Network
- Biorisk Management Network
- Progressive Control Practitioners' Network
- Réseau francophone pour le contrôle de la fièvre aphteuse



The work done in Thrace: Coordinated active surveillance activities





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Thrace: Parts of Bulgaria, Greece and Turkey. High-risk area for the introduction of exotic diseases into Europe



Thrace Surveillance Programme Objectives:

- Increase confidence of freedom (Our target: To maintain confidence in disease freedom over the 90%)
- Increase the likelihood of early detection of incursion

Surveillance for Thrace region

The current specific surveillance for FMD in Thrace includes a number of components:

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

Information originated from these components is used to assess the sensitivity of the surveillance system in place

Confidence of freedom

Model developed to estimate the probability of FMD freedom over time, given that no animals are found positive.

The model takes into account the sensitivity of each surveillance component:

- Surveillance sensitivity
- Multiple surveillance activities
- Accumulation of historical evidence over time
- Risk of introduction of disease over time



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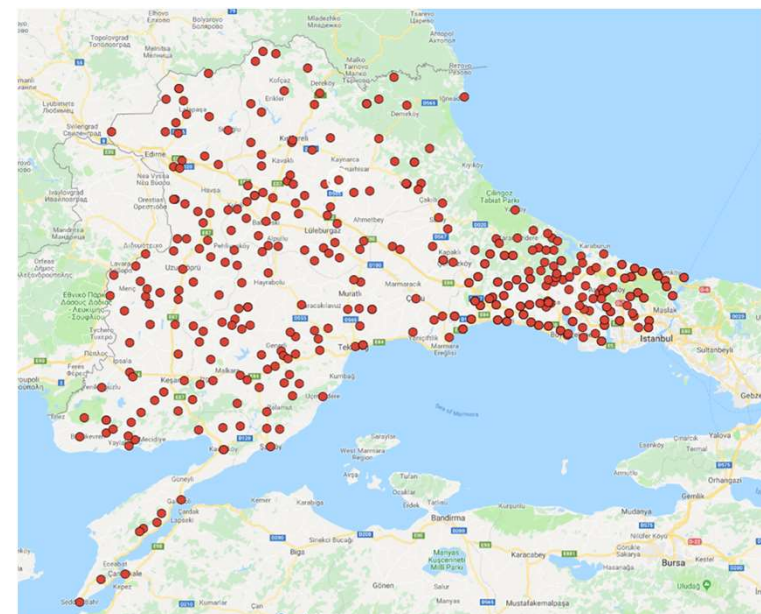
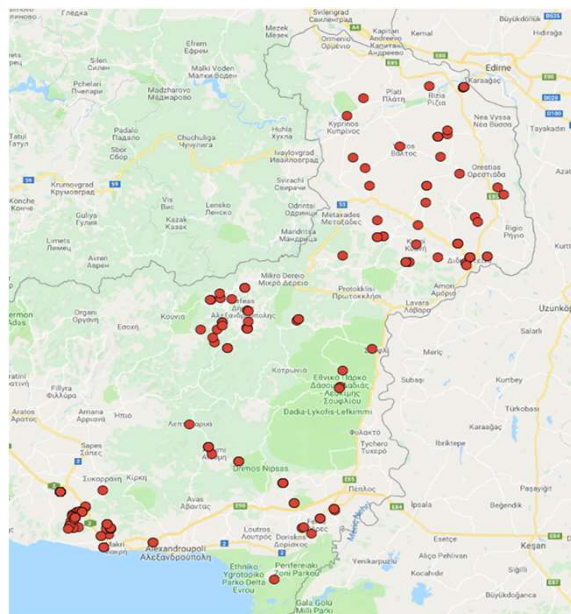
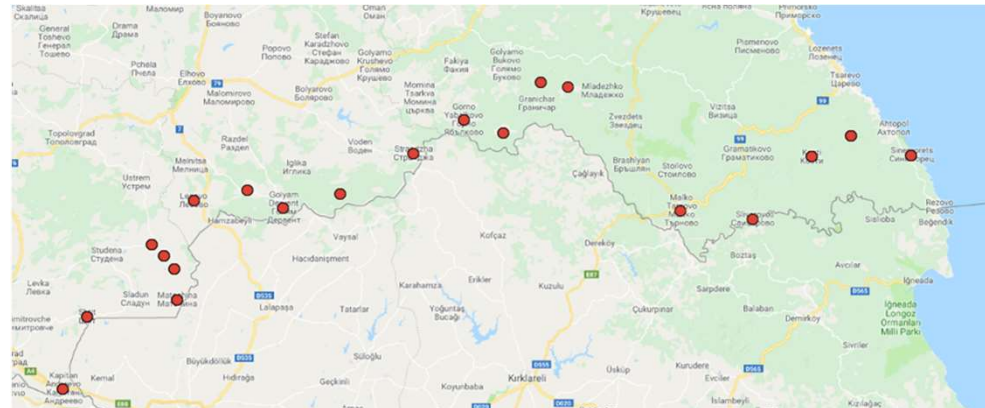
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Thrace Epi Units



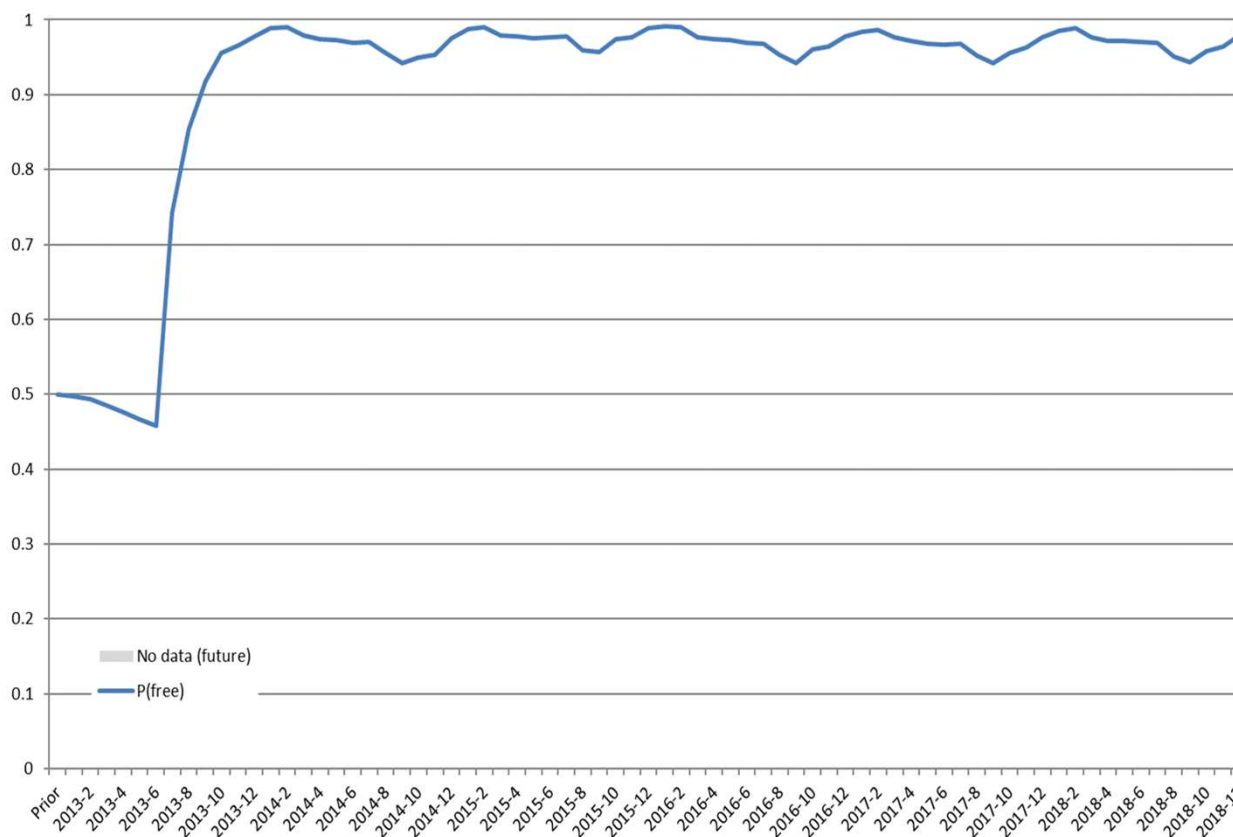
Samples are collected regularly ➡ data uploaded on the online repository ➡ Model to analyze FMD surveillance data to demonstrate freedom from disease (quarterly)

| Country | Num. animals clinically examined 2018 | Num. samples tested 2018 |
|----------|---------------------------------------|--------------------------|
| Bulgaria | 28579 | 4489 |
| Greece | 23540 | 4529 |
| Turkey | 107922 | 4921 |



Bulgaria

| 2018 | |
|-----------|-----------------------|
| Month | Confidence of Freedom |
| JANUARY | 96.8% |
| FEBUARY | 96.4% |
| MARCH | 96.1% |
| APRIL | 97.2% |
| MAY | 97.2% |
| JUNE | 97.0% |
| JULY | 97.0% |
| AUGUST | 95.1% |
| SEPTEMBER | 94.3% |
| OCTOBER | 95.9% |
| NOVEMBER | 96.5% |
| DECEMBER | 97.9% |

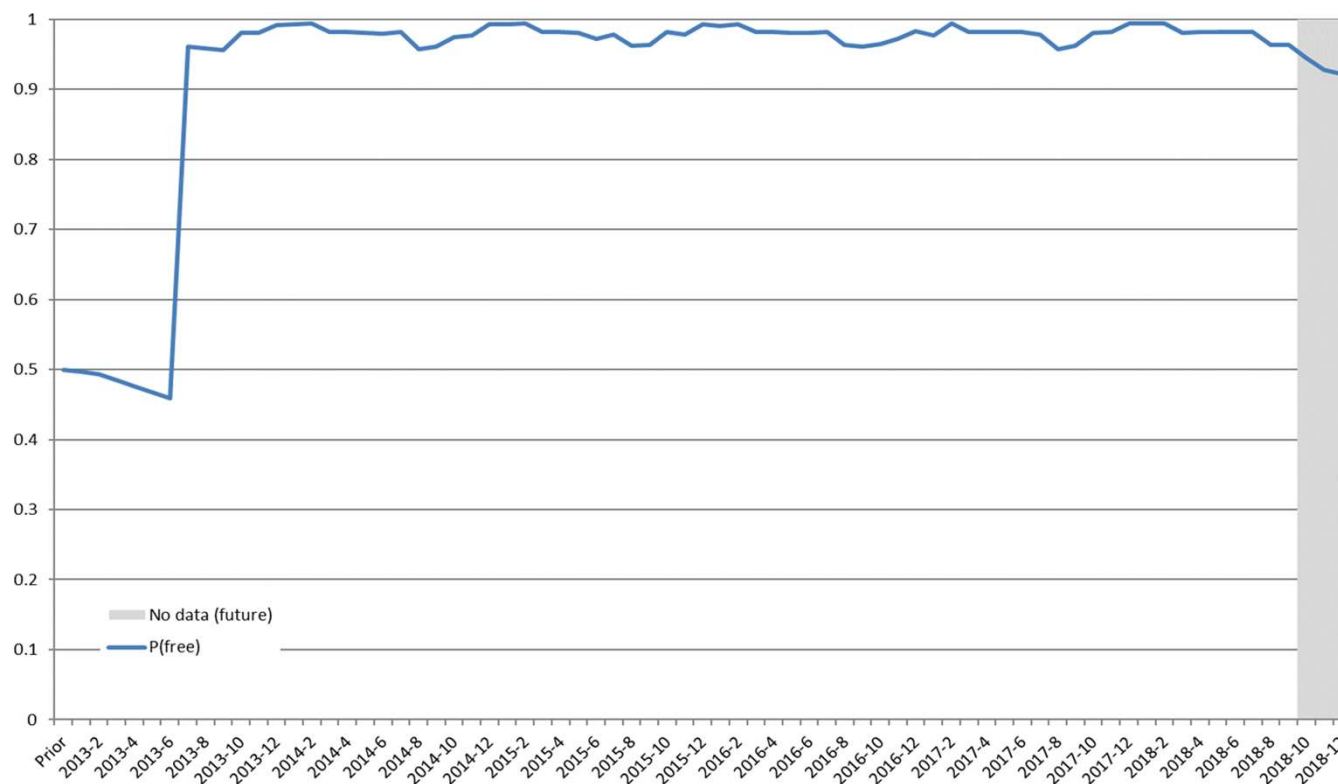


2018 saw 28579 animals clinically examined and 4489 samples tested for FMD.



| 2018 | |
|-----------|-----------------------|
| Month | Confidence of Freedom |
| JANUARY | 98.6% |
| FEBUARY | 98.3% |
| MARCH | 98.5% |
| APRIL | 98.1% |
| MAY | 98.1% |
| JUNE | 98.5 % |
| JULY | 98.0% |
| AUGUST | 96.3% |
| SEPTEMBER | 96.3%% |
| OCTOBER | 98.1% |
| NOVEMBER | 98.1% |
| DECEMBER | 98.2% |

Greece

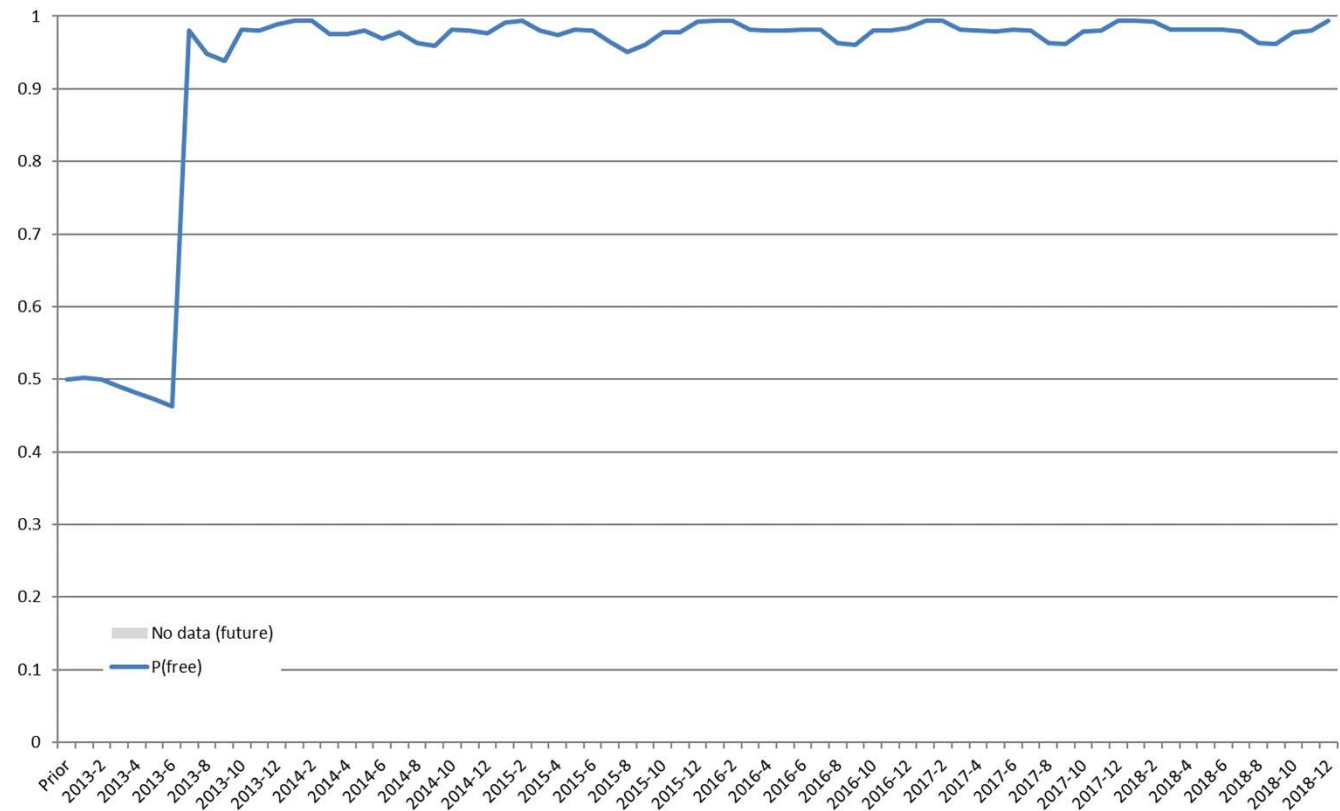


2018 saw 23540 animals clinically examined and 4529 serum samples taken and tested for FMD

1208 of serum samples were tested for PPR

Turkey

| 2018 | |
|-----------|-----------------------|
| Month | Confidence of Freedom |
| JANUARY | 99.3% |
| FEBUARY | 99.3% |
| MARCH | 99.3% |
| APRIL | 98.2% |
| MAY | 98.1% |
| JUNE | 98.2% |
| JULY | 98.0% |
| AUGUST | 96.3% |
| SEPTEMBER | 96.1% |
| OCTOBER | 97.8% |
| NOVEMBER | 98.0% |
| DECEMBER | 99.4% |



107922 animal clinically examined and 4921 serum samples tested for FMD

THANKS FOR YOUR ATTENTION!