



GET Prepared:

Developments in FMD Training and for improved Emergency Response

Keith Sumption,

Nadia Rumich, Mark Hovari, Chris Bartels and Jenny Maud

EuFMD, Rome Italy



















GET Prepared: <u>Guide to Exercises and</u> <u>Training for Preparedness for emergency</u> response to animal diseases



a pathway towards improved emergency response









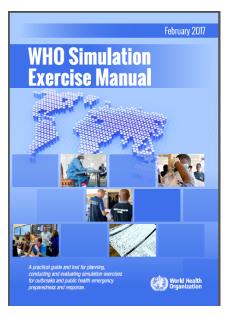


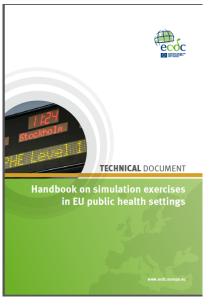


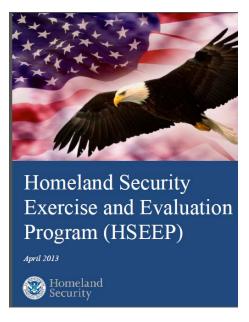
The GET Prepared Pathway

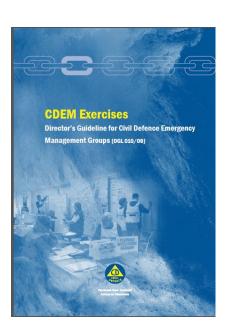
Addresses the lack of guidance on simulation exercises for FMD (or other TADs) in a European Veterinary Setting.

Several guides exist on simulation exercises (WHO, ECDC, HS (US) CDEM (NZ) in the human health field.













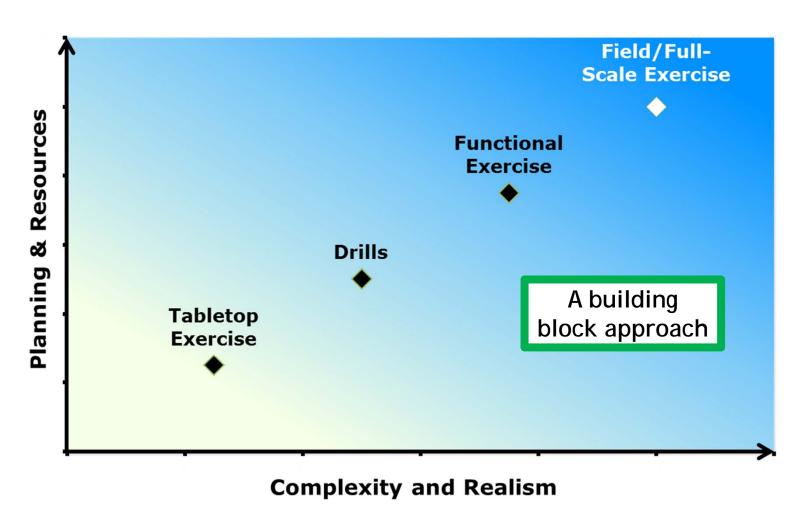








Building exercise depth, Step-by-Step















Outline of the GET Prepared pathway















GET Prepared: first steps in the Balkans

For the 3 pilot countries

- Guidance by EuFMD to start along the pathway
- Assist with defining weakspots
- Assist with planning a calendar
- Provide training materials on FMD
- Help design and implement simulation exercises (including costs endured)

What we also provide expect from the pilot countries

- On line assistence (self-assessment of preparedness tools)
- Knowledge bank of resources to address emergency response issues













Assured Emergency Supply OPtions (AESOP) - for FMD vaccines

A new, potential additional option for access to vaccines in emergencies







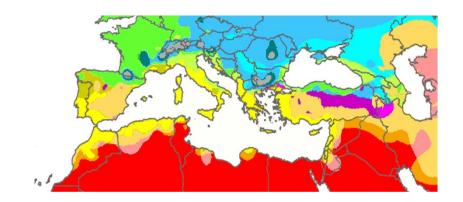






Emergency supply: current issues

- Sufficient, suitable vaccine stock is NOT available on the open market in a crisis
- Cost to buy millions of doses
- Dynamic risk: changing antigens is very costly
- In a crisis, funds not the principal issue.
- 2. FMD free and non-free: who are most likely to use emergency access?
- 3. Who should organize, pay, benefit?















Creating an ""assurance option""

Separating costs of antigen storage from costs of final product

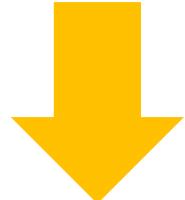
Creates options:

- One party to pay for storage costs
- Assures stock is held available
- Assured party to pay for final formulation and delivery



Assured availability

- contracts to hold sufficient stock



Assured access:

Stock released to assured party after guarantee of payment (final product +delivery cost)







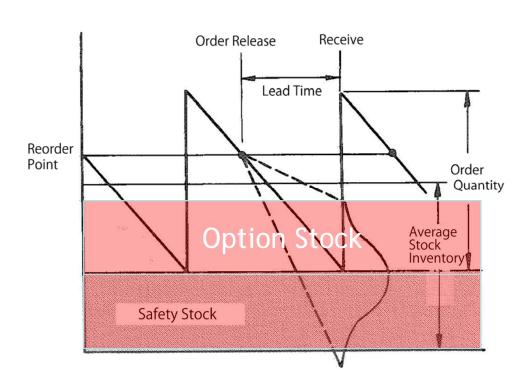






Assured emergency supply options (AESOP) for FMD vaccine – how it may work

- Vaccine producers always carry safety levels of stock to deal with demand and level of re-supply from production cycles
- Under AESOP, these are contracted to carry higher safety levels of stock (Antigen OR vaccine) as ""option stock""
- The Option Stock antigens remain property of the producer
- The holder of the contract has the option to buy the stock
- The system separates the cost of ""holding the stock"" from the vaccine cost (per dose supplied)















Potential future development: risk –sharing to reduce costs

The cost of the AESOP contract to hold antigen stock could be shared between countries

The best option and ""premium"" to pay would depend on the ""risk"" each applicant country adds

No profit, Mutual management system: Could be managed by EuFMD/FAO as a neutral party















What could the AESOP system look like in 2-5 years?

- ✓ Pilot scheme Europe, tested by 2019
- ✓ Costs and premiums will be identified opening "assurance options""
- ✓ (Expected) Several vaccine producers engaged, offering range of priority antigens
 - ✓ Independant expert group in place to recommend antigen priorities
 - ✓ financial mechanisms expected to be in place in April 2019
 - ✓ potential to open to interested parties from 2019

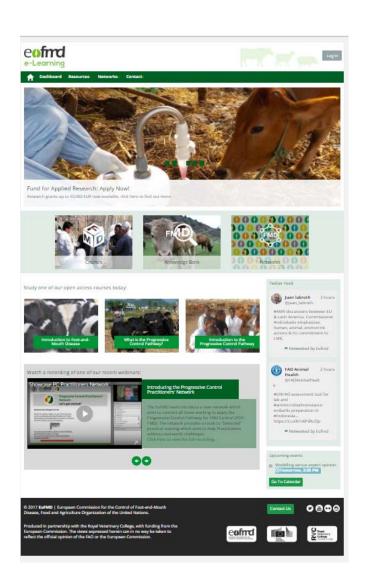
✓ Potentially the system is a model for other emergency supplies as well.





EuFMD Training – global access

- Rapid expansion in the past 2 years
- High uptake 1000 new users registered to elearning in past 6 months I (Now over 5500 vets)
- High delivery rate: 12 e-learning courses
- delivered I past 6 months
- One new course offered every 2 weeks
- MULTIPLE LANGUAGES and REGIONS







Knowledge Bank

Open access courses

Networks

Tutored online training courses

Introduction to Foot-and-Mouth Disease

Introduction

to the

Progressive

Control

Pathway

Supporting Member States

Modelling

Planning

Contingency

Vaccination

Biorisk Management Progressive Control Practitioners Network Supporting Regional networks FMD Emergency
Preparation Course

FMD Investigation Training
Course

FMD Laboratory
Investigation Training
In partnership with The
Pirbright Institute

Socioeconomics

Risk-Based Surveillance

Introductory epidemiology (in development)

Reseau Francophone

FMD free Countries not countries free of FMD

Both

Post vaccination monitoring

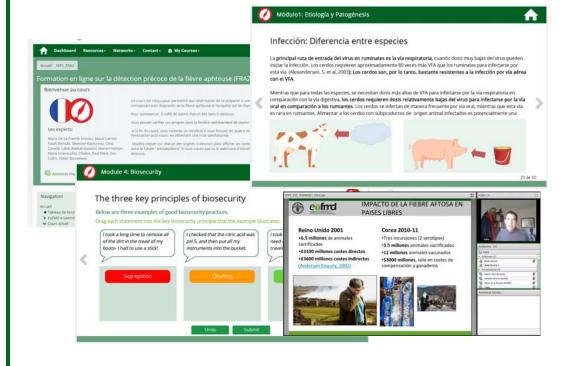




FMD Emergency Preparation Course (4)

7th EuFMD-wide course, plus national e-learning courses for France (2nd), Spain (3rd) and Australia (2nd). 100-150 per course.

Beneficial involvement of public and private veterinarians



Tutored online training courses

FMD Emergency
Preparation Course

FMD Investigation Training
Course

FMD Laboratory
Investigation Training
In partnership with The
Pirbright Institute

Socioeconomics Risk-Based Surveillance

Post vaccination monitoring

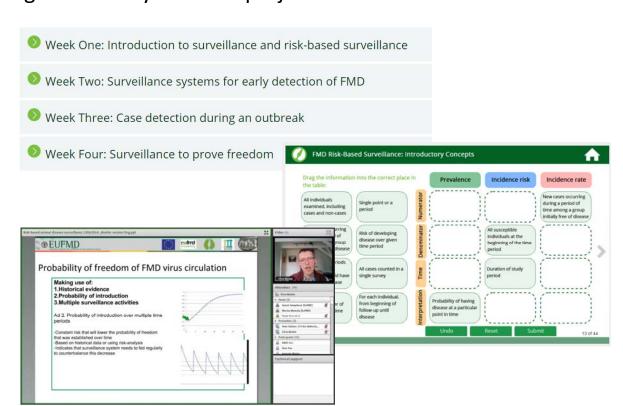




Risk-Based Surveillance for FMD (new)

3 Participants from each EuFMD Member State

4 weeks tutored course making use of materials generated by RISKSUR project.



ored online training courses

FMD Emergency reparation Course

Investigation Training
Course

FMD Laboratory
vestigation Training
In partnership with The
Ourse
Pirbright Institute

cioomics Risk-Based Surveillance

ost nation toring





FMD Investigation Training Course (2)

First Arabic language course, working in partnership with Jordan Institute Science and Technology





180 participants nominated from 11 countries

First Turkish language national course for Turkey, working with ŞAP Institute and GDFC







Tutored online training courses

Preparation Course

FMD Investigation Training
Course

Investigation Training
In partnership with The
Pirbright Institute

Socioeconomics Risk-Based Surveillance

Post vaccination monitoring





In-depth tutored courses for Pillar II neighbourhood countries (new)

- Six week courses, four hours per week
- Strong tuition (weekly webinar, weekly marking of assignments by experts)
- Based on existing FAO/OIE guidelines
- Develop expertise needed at central level for leadership on progressive control

FMD Socio-Economic Impact Assessment: May 2017 FMD Risk Analysis Along the Value Chain: Sept 2017 4 participants from each neighbourhood country



Tutored online training courses

FMD Emergency Preparation Course

FMD Investigation Training
Course

FMD Laboratory
Investigation Training
In partnership with The
Pirbright Institute

Socioeconomics

Post vaccination monitoring

Risk-Based Surveillance

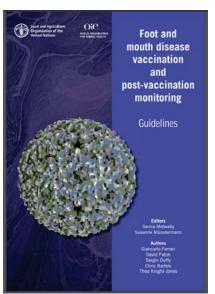


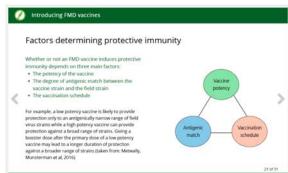


Post Vaccination Monitoring (new)

Following the first pilot online courses for Southern African and South Asian Countries under Pillar III this in depth course:

- 3 participants from each country in SAARC/Southern Africa
- Based on FAO/OIE PVM guidelines
- Tutored by Giancarlo Ferrari/David Paton/Nick Lyons





Tutored online training courses

FMD Emergency Preparation Course

FMD Investigation Training
Course

FMD Laboratory
Investigation Training
In partnership with The
Pirbright Institute

Socioeconomics

Risk-Based Surveillance

Post vaccination monitoring





FMD Laboratory Investigation Training

- In partnership with The Pirbright Institute who have developed the training modules.
- Pilot course started September
- Over 100 participants (from FMD laboratories) from over 50 countries
- 4 weeks, approx. 12 hours
- Co-tutored by TPI and EuFMD









Tutored online training courses

FMD Emergency
Preparation Course

FMD Investigation Training

Course

FMD Laboratory
Investigation Training
In partnership with The
Pirbright Institute

Socioeconomics Risk-Based Surveillance

Post vaccination monitoring





What's next?



Pillar I Training for EuFMD Member States

2017-19 training menu includes:

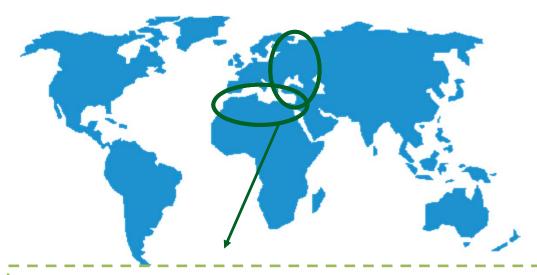
- E-learning and national courses
- Real Time Training Workshops:
- Practical vaccination
- Crisis Management
- FMD in Wildlife
- Simulation Exercises
- Ethical considerations in FMD Decision Making

New Regional Approach





What's next?



Pillar II Training for Neighbourhood Countries

Focus on integrating e-learning and face to face support to progressive control and vaccination issues

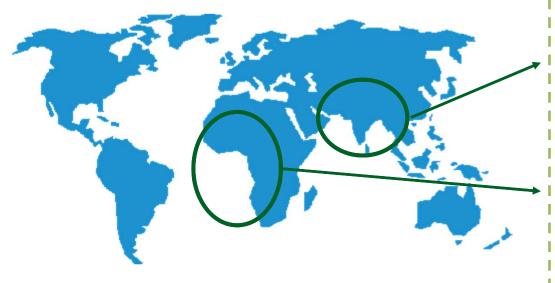
French and Russian language e-learning for central veterinary services

Additional Arabic language resources for local level veterinary services and stakeholder communication





What's next?



Pillar III Support to Global Strategy

Particular focus on training and networking support to:

- South Asia
- West and Central Africa

Training needs assessment process

Training of PCP experts

Progressive Control
Practitioners network and
Francophone Network





Knowled

Open access courses

Introduction to Foot-and-Mouth Disease

Introduction to the Progressive Control Pathway

Introductory epidemiology (in development) **Networks**

Progressive

Control

Practitioners

Network

Reseau

Franco-

phone

Supporting Member States

Modelling
Contingency
Planning

Vaccination

Biorisk Management

FMD free countries

Countries not free of FMD

Progressive Control Practitioners' Network

Training and experience sharing network: 2 webinars and at least 3 online exercises covering a different topic each month: so far NSP serosurveys and outbreak investigation. Certificates and "levels" of completion.



To join: Click the networks icon













































What should I do next?
How can I join the network?

- E-mail eufmd-training@fao.org for more information
- Share this opportunity with colleagues





EuFMD training is a team effort!

Thanks to Nadia, Chiara, Amir, Mark, Jenny, Maria, Ruth, Malin, Eunice, Chris, Melissa, Kees, Carsten, Maud, Giancarlo, David, Keith, Fabrizio, Nick, Gunel, Dinara, Bishnu, Karima, RVC, Erica, Cecile, Maurizio, Emanuela, Silvia, Filippo, Francesca















Thank you for your attention!

Any questions?