

# Emergency Preparedness Training, contingency planning and exercises

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## Regional Workshop on FMD and other TADs

Yur'evets, Vladimir, Russian Federation 29/11/2017 - 30/11/2017



## Some terms and questions for the start...

## What is prepeardness?

"A state of readiness, preparation for an event" Getting ready for something.



### What is prepeardness planing?

"It is preparing for extraordinary incidents that cannot be managed with ordinary resources and routines alone"

### What is an emergency preparedness plan?

In general a "A high level document that includes all the activities required to prepare for the occurrence of one ore more diseases"

From a veterinary perspective it is a plan that "outlines what a government needs to do before an outbreak of a disease - in order to be prepared"

### What is a prepeardness program?

It is the overarching program which makes priorities (preparedness policy) into actions.

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## Some terms and questions for the start...

### What is a contingency?

"An unusual and unpredictable event; something liable, but not certain, to occur"

Some difference

## What is a contingency plan (~ crisis management plan)?

It is a <u>particle</u> tool that can be used when an extraordinary incidence occurs.

From a veterinary perspective this plan details "what a government will do in the event of an incursion of a disease, beginning from the point when a suspect case is reported."

### What is an Standard Operation Procedure (= operational manual)?

This is a comprehensive set of instructions produced by the government that instructs field staff and others how to undertake specific tasks required by the contingency plan.

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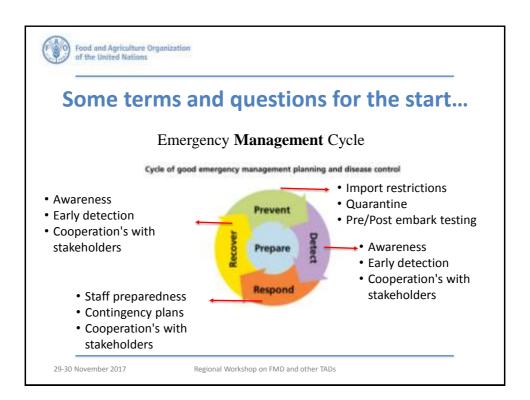
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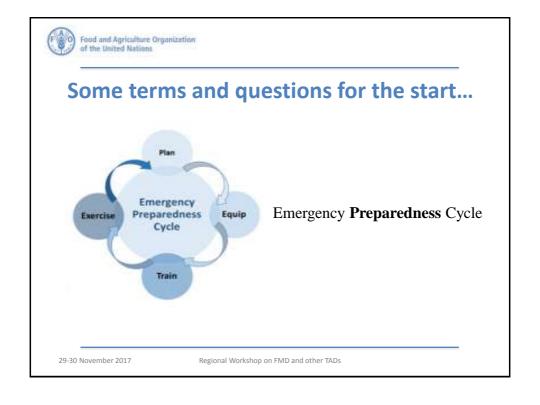


"Plans are nothing; planning is everything."

What this sentence actually means...

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## **Getting started to be prepared**

## **Good Emergency Management Practice**



http://www.fao.org/docrep/014/ba0137e/ba0137e00.pdf

## Comprehensive Preparedness Planning



https://brs.dk/eng/Documents/Comprehensive\_Preparedness\_Planning.pdf

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## So how do I manage my prepeadness?

Know what you want to be prepared for! Have clear objectives

Risk analysis will help to define what you want to be prepared for.

Have a preparedness policy and preparedness program!

At what level do you want to set your preparedness? What is the level you are satisfied with?

How much are you willing to put in - How much do you expect out of Prioritize your resources

Prioritize on diseases and focus on common elements.

Cost-benefits analysis – try to estimate the costs and benefits of being

Prepared. It is similar to insurance

Follow-up implementation regularly!

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## **Training**

The aim is "to ensure that relevant competencies are developed and maintained"

## Which competent skills do you want your staff to have?

General (tracing/surveillance in zones/monitoring emergency vaccination) and disease specific (recognizing clinical signs, disease transmission)

### Who needs to be trained?

Central – Medium – Local level official veterinarians?

Private veterinarians?

Other stakeholders?

**How** do you want to deliver it and how will you maintain it?

Face-to-face or on-line. Regular training program or Just in Time Training

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## **Example: On-line FMD Emergency Preparation Course in Russian**

## language by EuFMD

### Who is the course for?

Veterinarians who are involved in diagnosing and investigating an outbreak of foot and mouth disease. The course is for field or regional veterinarians and also for veterinarians at central veterinary services.

### What does the course cover?

- · FMD aetiology and pathogenesis
- · Clinical diagnosis, lesion ageing
- FMD epidemiology, outbreak investigation
- Biosecurity
- Vaccines and vaccination for FMD
- · Introduction to the Progressive Control Pathway

## What does the course involve?

12 hours to complete.

Up to 150 participants

### Open for 4 weeks

Endemic and free countries of West Eurasia were invited to take a course (*Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Turkmenistan, Uzbekistan, Tajikistan, Moldova, Ukraine*) The course was run in middle of October 2017.







## How do adults learn?

### Independent/self-directed/autonomous

Make own choices related to what they want to learn

→ Involve trainee in setting objectives of training



### Make use of pre-existing knowledge and life experiences

Objectives are directed by background, ambition, interest, and guided by mentors

- → Consider diversity of Trainees in training
- → Use the wide range of experiences of participants during the training

### Goal-oriented

Look how they are going to use the training in current profession Personal interest

→ Steps of knowing, understanding, be able to do at the end



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## How do adults learn?

### Relevance and impact on life

When tasks/assignments are directly related to an interest or will be directly useful in personal or professional life

- → Examples that relate to the Real-world of Trainees are important
- → Training should be problem-centred for Trainees to see immediately how instructions will help them to solve problems

### Balancing theoretical concepts with practicality

Internal motivation to learn and different types of students

→ Provide "How to ...." (not only "What is ...")

### Mentor/tutor/trainer as a colleague

Collaborative and respectful relationship with Trainer

→ Acknowledge contribution to training, include Trainees in developing your programme, make use of experience already present

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## **Learning styles**

### Activist

- · Learn by doing
- Pro-active
- · Short attention spans

### Pragmatist

- · Like to know 'Why?'
- Direct application to own situation

### Reflector

· They stand back and take in (contemplate, making notes)



### Theorist

- · Analysts of audience
- · Want to know who, why, when,
- Need instructions, references, further reading, fact sheets





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### Theorist

- · Analysts of audience
- Want to know who, why, when,
- · Need instructions, references, further reading, fact sheets

- · Need exercise, action, puzzle
- · Wants to move on

### **Pragmatist**

- Explain upfront why you train/teach
- · Need for debrief as to explain why it is relevant to them

### Reflector

- Ask feedback, opinion after a break, or ask questions before training
- · Require regular breaks

### **Theorist**

- · Provide references, further reading materials
- Instructions to activities need to be very clear, debriefs very structured and comprehensive





## **Contingency Plans**

## What are the characteristics of a good contingency plan?

- Action oriented
- Comprehensible
- Up-to-date
- Accessible
- Realistic
- · Read and understood
- Tested

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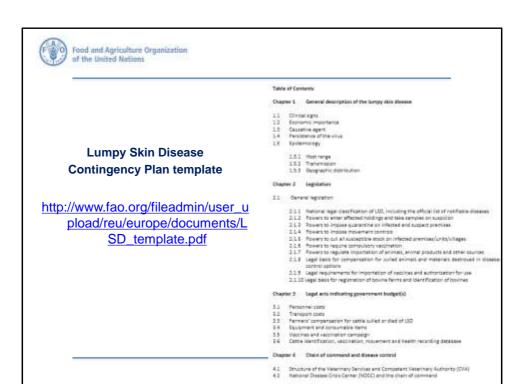


## **Contingency Plans**

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## **Contingency Plans**

## **Chapters:**

General Description of LSD
Legislative background
Legal acts indicating government budget
Chain of command and disease control
Overall policy for Lumpy Skin Disease
Chain of notification on LSD in case of
suspicion or occurrence
NRL and sample collection from

suspected animals

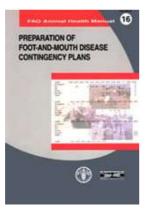
### **Chapters:**

Lumpy skin disease control strategy
Prevention Measures
Training and awareness
Surveillance measures
Lifting of zones
Epidemiological investigation
Evaluation of the contingency plan
Suggested annexes

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## **FAO CP publications on TADs**





http://www.fao.org/docrep/006/Y4382E/y4382e00.htm

http://www.fao.org/3/a-i1196e.pdf

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## **Exercise**

Preparing to manage an extraordinary event – outbreak of FMD.

It is a tool to develop your:

- Staff
- Contingency plans and SOPs
- Equipment and technology
- Cooperation with external partners!

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## Simulation exercises – what is it good for?

Is a tool that helps to:

- improve overall the emergency response of an organization;
- train the veterinary staff on the relevant procedures, specific tasks and responsibilities and assess the capabilities of emergency response;
- build an emergency team;
- · improve resource planning;
- · acquire and develop managerial, training and coaching skills
- extend knowledge on different approaches in animal disease control and their practical applicability for the country/region;
- test and assess the contingency plans and the SOPs in place;
- · test and improve the chain of command;
- test newly adopted disease control strategies and related procedures;
- test equipment
- · identify procedural, administrative, training gaps and needs
- · improve inter-institutional cooperation
- raise public awareness (increase risk perception)
  - · apparently a lot of things... lets sort this out a bit



(III)	
(F & O)	Food and Agriculture Organization of the United Nations
(9)	of the United Nations

## Simulation exercises – what is it good for?

Is a tool that helps to make your overall response better

NDCC LDCC

improve overall the emergency response of an organization;

Field Ops

train the veterinary staff on the relevant procedures, specific tasks and responsibilities and assess the capabilities of emergency response;

build an emergency team;

Setting up DCCs Suspicion visit to a farm

improve resource planning;

acquire and develop managerial, training and coaching skills

extend knowledge on different approaches in animal disease control and their practical applicability for the country/region;

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## Simulation exercises – what is it good for?

Is a tool that helps to find what did not go so well so next time it will go very well

- test and assess the contingency plans and the SOPs in place;
- · test and improve the chain of command;
- test newly adopted disease control strategies and related procedures;
- test equipment;
- identify procedural, administrative, training gaps and needs



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## Simulation exercises – what is it good for?

Is a tool that helps to:

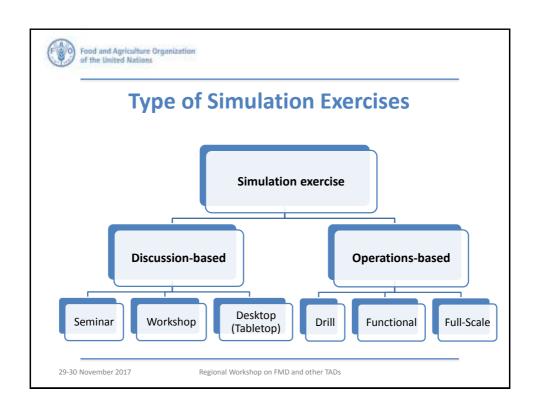
Make new friend before the crisis occurs and let the public know that you are doing your part

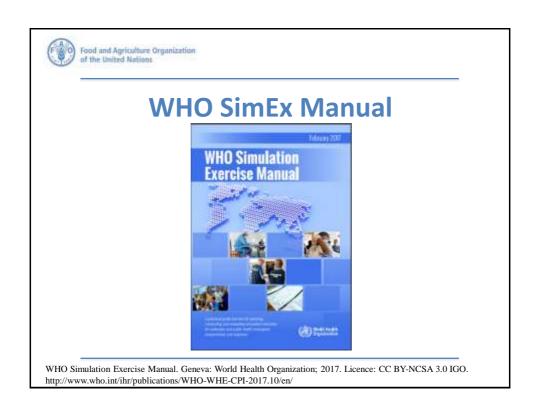
- improve inter-institutional cooperation
- An FMD outbreak in an FMD free country without vaccination will very likely out scale the capacities of a Veterinary Service
- raise public awareness (increase risk perception)





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## Drill

- · It is a functional exersise
- Can be simple, or more complex as a component of a larger field exercise
- At its most simple designed to <u>test</u> a single activity Tests person and instruction
- Can be a circuit/carousel of drills
- Can be Incorporated into training
- (+) immediate result/feedback; can be easily re-run on the day (low cost); validates training; validates instructions/SOP; popular with participants; easy to set up; can be done locally
- (-) doesn't fit well into command structure except operational (less good for tactical/strategic)

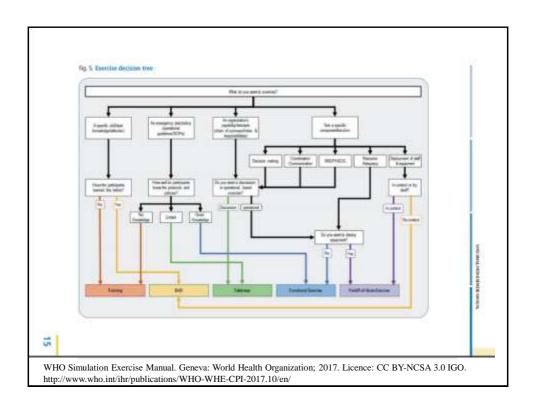
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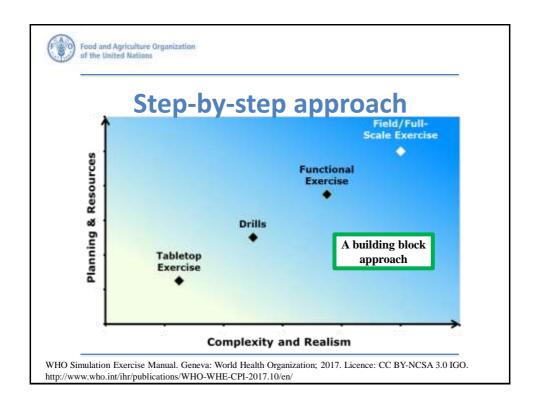
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## **Desktop (tabletop)**

- · Participants learn by thinking and discussing (rather than by doing)
- Held in an informal setting where key personnel are gathered to discuss simulated emergency situations in a relaxed atmosphere
- · Can also be used for educational enhance general awareness
- · The focus is on problem solving
- Can be with or without a scenario
- Varies is size therefore complexity (planning) varies, but it is less than a functional exercise
- (+) Participants do not need a lot of pre-preparedness
- (+) Expenses depend on travel cost of the participants and meeting place costs, but this is rather inexpensive to carry out
- (+) You have on-the-spot feedback and produced materials
- (+) Better involvement/understanding of more complex exercises in the future
- (-) Discussing is always easier than doing therefore further exercises would be needed to get participants prepared







## How to plan an exercise

- Define the AIM based on the need identified...
- "The aim is a statement of intent that gives direction to what will or is desired to be achieved in the exercises"
- · One sentence
- Only ONE aim (there is no "and")
- It has a purpose and a context
- It should start with a (one) verb (test/assess/practice/develop/review ect.)
- · Positive, clear, concise and achievable
- Practice the local veterinary office's ability to respond to an FMD outbreak in the their region
- Should specify which part of the contingency plan is to be exercised
- Objectives will branch from here

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## How to plan an exercise

### Define the **OBJECTIVES**

- This greatly depends in the type of the exercise and also on funding
- What is to be achieved by individuals, groups or agencies participating
- Objectives flow from the aim, not the reverse!
- There can be more than one objective, but not too many
- · Agree early on!
- · The objectives determine all future planning
- Must be clear and simple (commonly understood)
- should follow SMART (or SMARTER)

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## **SMART(ER)**

- S pecific (Simple)
- M easurable (Manageable)
- A chievable (Appropriate)
- R ealistic (Relevant)
- T imely (Time based/bound, Task related)
- E valuation
- · R eview

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## **Exercise Scope**

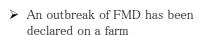
- Describes the boundaries of the exercise
- Inclusions
- Exclusions (RR)
- Avoids 'exercise creep'

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## **Outbreak of FMD in your country**

## **Discussion Based**



- > The farm has been closed off
- Culling to commence tomorrow morning
- > 3km and 10 km zones are being established



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## Scenario / Event/ Inject

What has happened? / Where it has happened? / When it has happened? / Who is immediately affected? / How it has happened?

- Scenario
- Have background information leading up to the event (inst. participants)
- Lay down the consequences of the event (= FMD outbreak), such as control measures already taken
- Time and place (location) of the scenario
- Check that your assumptions are correct
- Create a timeline of (expected) events
- How to deal with time? (time jumps)

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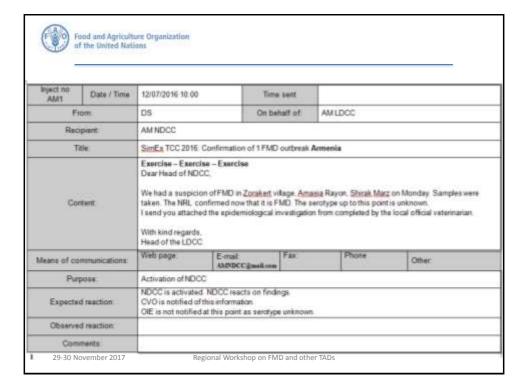


## **Exercise Injects**

- Create situations arising from the scenario to test of validate the plan
- Inject team
- Realistic
- Specifically directed
- Methods face to face, telephone, test, email, note
- Timing
- Flexibility vary depending on how exercise is going
- Master events list
- · Many shapes and sizes
- · Materials needed for the injects!

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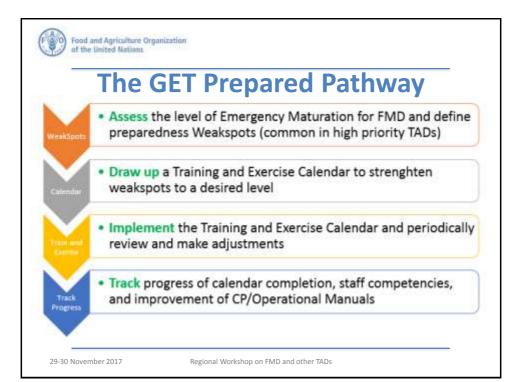
## **The GET Prepared Pathway**

### In progress...

### The concept:

- 1) Nearly all MSs have a legal obligation to do SimExs
- 2) The know-how for veterinary services is not widespread
- 3) SimExs are a great capacity building tools
- 4) There are several type of exercises not just the "BIG ONE"
- 5) Staff (victims and directing staff) need to be prepared for exercises
- 6) SimExs should not be standalone events but should be in a series of training and exercises to achieve a set goal
- 7) The goal needs to be established based on reviewing "weakspots" in preparedness
- Cross synergies between TADs should be taken into account based on priorities
- 9) Progress needs to be tracked

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## **Acknowledgement**

Keith Sumption and the European Commission for the control of Footand-Mouth disease (EuFMD)

http://www.fao.org/ag/againfo/commissions/eufmd/commissions/eufmd-home/en/



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## Thank you for your attention

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