



Better Training for Safer Food BTSF

Implementation and evaluation of contingency plans, preparation and conduct of simulation exercises

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Legislation

- *Council Directive 92/66/EEC – NCD*
- *Council Directive 92/119/EEC – list of diseases*
- *Council Directive 2000/75/EC – BT*
- *Council Directive 2002/69/EC – ASF*
- *Council Directive 2001/89/EC – CSF*
- *Council Directive 2003/85/EC – FMD*
- *Council Directive 2005/94/EC – AI*
- *Council Directive 2006/88/EC – aquaculture diseases*

Contingency plan

- **"Contingency plan"** = to take account of a possible future event or circumstance
- **"Contingency planning"** = is to model probable emergency disease situations and on the basis of this to plan and rehearse the optimal response mechanisms to the emergency that will allow the disease to be controlled and eradicated in the most rapid and cost-effective way

Contingency plan

◦ *WHY?*

- **Accession to the EU?**
- **Provisions of EU legislation?**
- **The need of veterinary services – for quick response of all levels and all services in the case of an outbreak**

CP approval

*CP submitted to the EC for evaluation
approval at SCoFCAH
regular up-dates and approvals
implementation of official controls regarding
epizootic diseases by FVO*

Contingency plan

○ *Components of Contingency plan*

- **Contingency plan**

- Should not be very long document

- Should be clear

- With sufficient information to allow the authorities to decide on which policy to use for control and eradication of the disease, which can be enforced by law

- **Manuals**

- Operational manual for veterinarians

- Manual for emergency vaccination

- Manual for breeders

- Manual for hunters

- Diagnostic manual

Contingency plan

○ *Components of Contingency plan*

- **Legal powers**
- **Financial provisions**
- **Chain of command**
- **NDCC, LDCC**
- **Expert group**
- **Human resources**
- **Equipment and infrastructure**
- **Operational manual**
- **Emergency vaccination**
- **Trainings and disease awareness**

Operational manuals

- *Contingency plan should be supplemented by operational manuals*
 - **Manual for veterinarians**
 - **Manual (Contingency plan) for vaccination**
 - **Manual (Contingency Plan) for laboratory**
 - **Manual for farmers**
 - **Manual for hunters**
 - **Others**

Operational manual for veterinarians

- *Nature of the disease and diagnostics*
 - **Nature of the disease**
 - Etiology
 - Epidemiology
 - Susceptible species
 - Incubation period
 - Virus resistance
 - Virus transmission

Operational manual for veterinarians

- **Diagnostics**

- Clinical signs

- Pathology

- Laboratory diagnostics

- Types of samples and collection

- Sending of samples

- Laboratory tests

- Differential diagnostics

Operational manual for veterinarians

○ *Suspicion of disease*

- **Notification of suspicion**

Clinical suspicion

- Definition of suspicion
- Obligation of animal owner
- Obligation of veterinarian
- Obligation of CA

Laboratory suspicion

Suspicion at slaughterhouse

- **Procedures and measures**

Epidemiological investigation

- **Duration of measures**

Operational manual for veterinarians

- *Confirmation of the disease*
 - **Measures at the infected holding**
 - **Measures at slaughterhouse or means of transport**
 - **Restriction zones**
 - Protection zones
 - Surveillance zones
 - Others (if necessary) – killing zone, buffer zone

Operational manual for veterinarians

- *Local disease control centre*
 - **Establishment of LDCC**
 - Tasks and duties
 - Equipment
 - Communication
 - **Local operational plans**
 - Animal and holding census
 - List of contacts (staff, veterinary organisations, fire brigades, police,)
 - List of equipment
 - List of locations for burial or burning of carcasses, disinfection posts, ...

Operational manual for veterinarians

- *Evaluation of losses*
 - **Animals**
 - **Feed**
 - **Equipment**

Operational manual for veterinarians

- *Killing and disposal of animals*
 - **Methods of killing**
 - Different categories of animals
 - Animals in zoo, pens, free range
 - **Disposal of carcasses**
 - Methods of disposal
 - Transport
 - Equipment (protective clothes, equipment for burial or burning)
 - Disposal in rendering plant

Operational manual for veterinarians

- *Cleaning and disinfection*
 - **List of disinfectants**
 - **Methods of disinfection**
 - Facilities
 - Equipment
 - Feed, fodder
 - Manure, slurry
 - Means of transport
 - Killing place
 - Disinfection barriers
 - **Safeguard measures**

Operational manual for veterinarians

- *Procedures in slaughterhouse*
 - **Slaughter of animals from restricted zones**
 - **Designation of slaughterhouse**
 - **Conditions for slaughter of animals**
 - Protection zones
 - Surveillance zones
 - **Procedures with meat from protection zones**
 - **Labelling of meat**

Operational manual for veterinarians

- *Repopulation of holdings*
 - **When**
 - **How**
 - **Control**

Operational manual for vaccination

- *Principles of vaccination*
 - **Vaccines**
 - **Vaccination area**
 - **Vaccination**
 - Supply and storage of vaccines and equipment
 - Staff
 - Vaccination procedures
 - Suspicion of the disease

Operational manual for veterinarians

○ *Annexes*

- **List and maps of organisational units of CA**
- **List of labs (national, regional)**
- **List of rendering plants**
- **EU/OIE reference labs**
- **List of forms and instructions**

Procedure at visit of holdings
Epidemiological investigation

Operational manual for veterinarians

○ *Annexes*

- **List of forms and instructions**

 - Posters and leaflets (warnings)

 - List of equipment

 - For holding visits
 - For sampling

 - Reports

 - Expert group
 - Killing of animals
 - Evaluations
 - Vaccination

Other manuals

- *Laboratory*
 - **Staff and equipment**
 - Expert group
 - Other laboratory staff
 - **Supplies and storage of diagnostic materials and equipment**
 - **Laboratory capacity**
 - Serology
 - Virology and molecular diagnostics
 - **Delivery of samples**
 - **Testing protocol (which test when, duration)**

Other manuals

- *Animal owners*
 - **Disease awareness**
 - **Legal obligations**
 - Notification of suspicion
 - Biosecurity measures

Other manuals

- *Hunters*
 - **Disease awareness**
 - **Procedures**
 - Hunting
 - Found dead animals
 - **Vaccination in wildlife**

Contingency plan

Trainings

- **All staff should be thoroughly trained in their roles, duties and responsibilities in the case of an outbreak**
- **More intensive training needed for key positions**
- **Training of back-up staff**
- **Trainings**

Refresh courses for veterinary staff on the disease diagnosis and control (clinical pictures, pathology, notification, ...)

Courses on sampling

Courses for animal owners on notifiable diseases (when to report suspicion, ...)

Laboratory staff – NRL, CRL

Simulation exercises (procedures at NDCC, LDCC, ...)

Simulation exercise

- *Simulation exercise and training programme as a part of CP*
 - **Vital tool for preparing administrative and functional responses to emergencies**
 - **Conducting exercises is an important component of planning processes that ensure that responses to emergency events are effective**
 - Real time simulation exercises
 - Alert exercises

Simulation exercise

- *Objectives of training programme*
 - **virological, serological, epidemiological aspects of the disease**
 - **measures on the control and eradication of the disease**
- *Objectives of simulation exercise*
 - **To expose participants to new disease situations requiring**
 - Rapid analysis of changing of the situation
 - Decision making on practical issues related to the disease surveillance, suspicions, confirmation and eradication, including culling and disposal of carcasses
 - Coordination of emergency measures at regional and national level

Simulation exercise

◦ *Programme*

- **training programme (day I)**

- **field exercise**

 - demonstrated precautions to be taken during the suspicion

 - implementation of epidemiological investigation

 - sampling and submission of samples to the NRL

 - coordination of activities between owner, vets, NRL, RO and HQ VARS

- **work in groups**

 - CP, operational manual, forms to be completed, maps

Simulation exercise

conclusions, evaluation, recommendation

- **role of expert group in the context of epidemiological surveillance**
- **contracts**
- **forms (ready for use)**
- **equipment of LDCC**
- **information material (clinical disease, epidemiology of the disease, notification procedures and control measures)**



- **up-date of contingency plan**

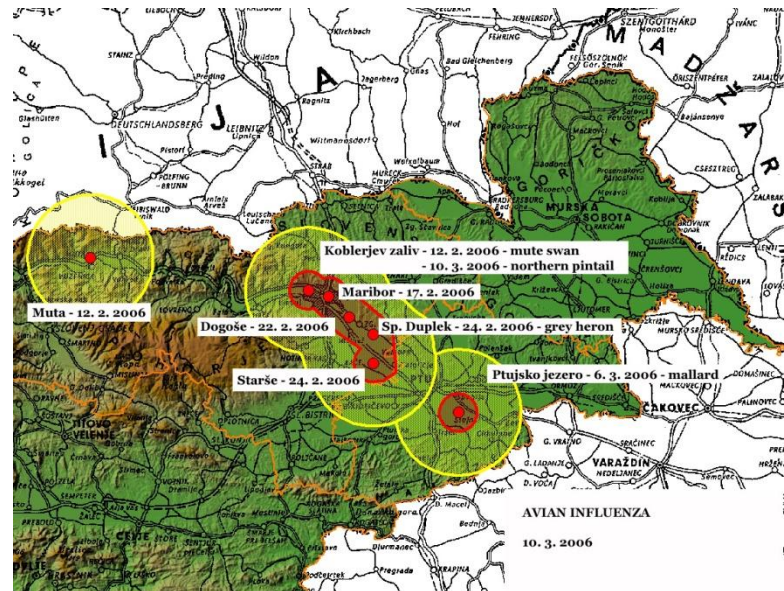
Simulation exercise

"alert exercise"

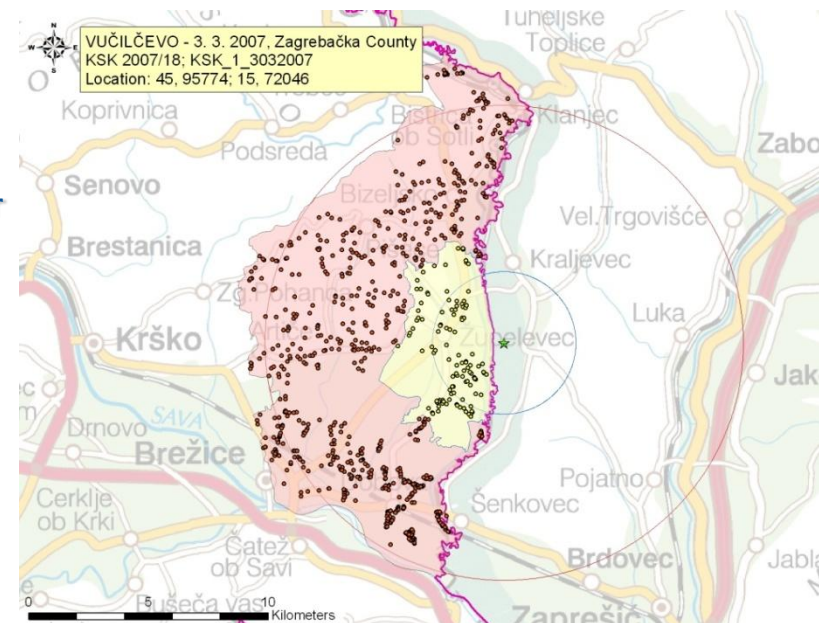
- **Avian Influenza (H5N1) in wild birds**

Protection (3 km) and surveillance (10 km) zones were established around the positive cases and all the necessary measures according to Commission Decision 2006/115/EC were applied

- **High risk area was established**
- **Control of implemented measures**



- *"alert exercise"*
 - **CSF outbreaks in neighbouring TC**
 - **protection and surveillance zones**
 - **measures in line with the 2001/89/EC**
 - **problems:**
 - transport of manure, slurry, ...across the border
 - cleaning and disinfection
 - human resources
 - movements of animals



Simulation exercise

- *simulation exercise on cases in wildlife population*
 - **outbreaks in domestic pig population often related to CSF in wild boar**
 - **procedures in game collection centres, procedures in wild boar pens, procedures in hunting areas**
 - **publishing of manual for hunters**



up-date of contingency plan

Contingency plan

o *Disease awarness*

- **Organisation of awareness exercises through lectures/presentations at national and local level**
- **Posters and leaflets at veterinary practices, offices informing animal owners about the CSF, biosecurity measures,**
- **Posters and leaflets at airports, ports and BIP informing passengers of the rules relating to the illegal import of meat**
- **Intensive mass-media campaigns in the event of a disease outbreak**
- **This would involve information and instructions given via**
 - press conferences, press releases
 - national TV and radio stations, newspaper
 - local media
 - Internet web pages

Contingency plan

Conclusions

- **When prepared, contingency plan should not be treated as a static document**
- **It should be regularly reviewed and updated**
- **When reviewing and updating contingency plan the following factors should be taken into account**

changing epidemiological situations, both within the country and externally
new disease threats

changes in livestock production systems and internal or export trade requirements

changes in national legislation or in the structure or capabilities of official veterinary services

experiences (both within the country and in neighbouring countries), results from training or simulation exercises and feedback from stakeholders and farmers

Contingency plan

- **cooperation of all services is required**
- **regular training**
- **preparation of the service for rapid and efficient actions in the case of an outbreak**

Simulation exercise



Simulation exercise







Local disease control center and disinfection barrier near the border





Thank you for your attention