CONTINGENCY PLANNING IN THE NORDIC-BALTIC COUNTRIES FROM 2006 – 2016

Jørgen M. Westergaard
OVERVIEW

• Cooperation: Nordic-Baltic Countries
• 10 years activities
• Disease situation and challenges
• Achievements
• The Future
• Cooperation: What is gained?
## Nordic Council of Ministers

<table>
<thead>
<tr>
<th>YEAR and location</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003 Tallinn, Estonia</td>
<td>Declaration on enhanced cooperation on food safety in Nordic-Baltic region</td>
</tr>
<tr>
<td>2005 Aarhus, Denmark</td>
<td>Resolution on Nordic Veterinary Contingency Planning</td>
</tr>
<tr>
<td>2006 Jevnaker, Norway</td>
<td>Adoption of a strategy plan concerning Nordic – Baltic Veterinary Contingency Planning</td>
</tr>
</tbody>
</table>
Cooperation - Strategy Plan

AIM:

• To maximize the potential of Nordic/Baltic cooperation and work together to prevent and combat serious animal diseases such as:
  • Foot and mouth disease
  • Avian influenza
  • Classical swine fever
  • Any other animal disease, including zoonoses
Implementation of Plan

- The Chief Veterinary Officers of the Nordic and Baltic countries established a working group called:
  - The Nordic - Baltic Veterinary Contingency Group (N-B VCG)

- The Veterinary Administrations of the Nordic – Baltic countries has each one representative in the N-B VCG

- The N-B VCG submits budget proposals and reports to the Nordic Council of Ministers
Activities 2005 - 2006

• President: Sten Mortensen, DK
- Inter-nordic FMD simulation exercise 2005
- Depopulation of poultry flocks
- Exchange of staff during emergency situations
2005 – 2006 NORDIC COUNTRIES

Iceland

Norway, SWEDEN

FINLAND

DENMARK
Norway
Sweden
Finland
Denmark
Iceland

Import of milk sheep
Seminar on organic farming
Exchange of products

Home made products
Air-borne
Horses
Live pigs
Live cattle

Epidemiological links between herds during FMD exercise
Personkontakt uten smitte

Kontakt; MKS påvises ikke

Utbrudd; MKS påvises

Slakteri

Meieri

Personkontakt med smitte

Transport av dyr med smitte

Utredning mhp rein

Fåsetbru, Tynset

3.8 Import av 5 stk MKS-infiserte sauer

3.9 Seminar på gården

Fosen, Bergen

Risa, Nærbø

Norddal, Dale

Håskjold, Volda

Nordmo, Andøy

Løvaug, Salangen

Kvalbuk, Bleivassli

Karasjok

Vandsemb, Årnes

Gravningen, Skollenborg

7.9. Salg av 20 purker

ØVELSE PHEST - en nordisk MKS-øvelse 19.-23.09 -2005
Primary outbreak & epidemiological links, FI

- Participant from the seminar 7.9.
- Pig herd, susp. 19.9.
  - Pigs for slaughter 15.9.
  - Feed lorry three farms?? 16.9.
- Carcass collection 12.9.
- Dairy herd with sows susp. 20.9.
  - Milk collection 12.9.-20.9.
- 8 pigs to another farm 14.9.
- Two calves for delivery, lorry visiting 17 other farms 20.9.
- One cattle farm (art.insemin. 14.9.)
- 5 cattle farms (art.insemin. 20.9.)
<table>
<thead>
<tr>
<th>Date (yyyy-mm-dd)</th>
<th>Time (hhmm)</th>
<th>Country</th>
<th>Event</th>
<th>Initiator</th>
<th>Responder</th>
<th>Anticipated response</th>
<th>Tested element</th>
<th>Annex name - filename</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005-09-05</td>
<td>1500</td>
<td>I</td>
<td>Import of FMD virus to Iceland</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Background</td>
</tr>
<tr>
<td>2005-09-20</td>
<td>0900</td>
<td>I</td>
<td>Suspicion of FMD in a sheep herd</td>
<td>IS game master</td>
<td>DVO at the abattoir</td>
<td>The DVO notifies the CVO, puts on precautionary measures at the abattoir, contacts the laboratory, takes samples and sends them to the laboratory</td>
<td>The CVO's contingency plan and equipment for the DVO, the abattoir's contingency plan, sampling and sending of specimens</td>
<td>Abattoir - scenario and anticipated response</td>
</tr>
<tr>
<td>2005-09-20</td>
<td>0910</td>
<td>I</td>
<td>Suspicion of FMD in a sheep herd</td>
<td>DVO at the abattoir</td>
<td>CVO</td>
<td>The CVO notifies the Minister, establishes a disease control centre, notifies veterinarians and stakeholders about the suspicion and restrictions, contacts CVOs abroad</td>
<td>The CVO's contingency plan for the disease control centre, decision making for official restrictions, notifications, census of livestock, epidemiological investigation, communications between countries</td>
<td>Disease control centre - scenario and anticipated response</td>
</tr>
<tr>
<td>2005-09-20</td>
<td>0915</td>
<td>I</td>
<td>Suspicion of FMD in a sheep herd</td>
<td>CVO</td>
<td>DVO in the district of the suspect farm</td>
<td>The DVO visits the suspect farm, makes clinical examination, takes samples and sends them to the laboratory, puts on precautionary measures</td>
<td>The CVO's contingency plan and equipment for the DVO, clinical examination, sampling and sending specimens, epidemiological inquiry</td>
<td>Sheep farm - scenario and anticipated response</td>
</tr>
<tr>
<td>2005-09-20</td>
<td>0910</td>
<td>I</td>
<td>Suspicion of FMD in a sheep herd</td>
<td>DVO at the abattoir</td>
<td>The lab</td>
<td>The lab receives notification, contacts Lindholm, sends the samples, receives the results and notifies the CVO</td>
<td>The contingency plan of the laboratory and the sending of specimens to Denmark</td>
<td>Laboratory - scenario and anticipated response</td>
</tr>
</tbody>
</table>
Activities 2007 - 2009

• President: Eivind Liven, NO
  - Seminar on Risk Analysis, Oslo
  - Bluetongue simulation exercise
  - Seminar on Contingency Plans, Tallinn
  - West Nile Fever simulation exercise
  - Seminar on Vectorborne animal diseases, Riga
Activities 2010 - 2011

- President: Joakim Holmdah, SE
- Seminar on Risk based disease surveillance and Contingency Planning
- Workshop on rapid qualitative risk assessments for use in Veterinary Administrations
- African swine fever simulation exercise
- Strategy plan
Activities 2012 - 2013

• President: Audur Arnthorsdottir, IS
- Workshop on African swine fever preventive measures, Latvia
- Ad-hoc meeting on operational Expert groups, Denmark
- Seminar on wildlife diseases, Poland
- Simulation exercises on Viral haemorrhagic disease in rainbow trout, Norway
Activities 2014 - 2015

- President: Sipa Kiviruusu, FI
- Seminar on biosecurity in livestock production, Sweden
- Workshop on preparation, conduct evaluation of simulation exercises
- Memorandum of understanding for exchange of staff during emergency situations and for staff training
- African Horse Sickness simulation exercise
Disease situation
### Disease situation: 2005-2010

<table>
<thead>
<tr>
<th>Country</th>
<th>Avian Influenza Poultry/Wild</th>
<th>Bluetongue, BT</th>
<th>Foot and Mouth Disease, FMD</th>
<th>African / Classical Swine Fever</th>
</tr>
</thead>
<tbody>
<tr>
<td>Denmark</td>
<td>1/26</td>
<td>16</td>
<td></td>
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<tr>
<td>Estonia</td>
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<tr>
<td>Finland</td>
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<tr>
<td>Iceland</td>
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<tr>
<td>Latvia</td>
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<tr>
<td>Lithuania</td>
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<td>1 CSF</td>
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<tr>
<td>Norway</td>
<td>4</td>
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<td></td>
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<tr>
<td>Sweden</td>
<td>3/13</td>
<td>28</td>
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</tr>
</tbody>
</table>
Surveillance - H5 positive birds in Sweden

Mallard (1 / 101 = 1%)
Tufted duck (36 / 83 = 43%)
Herring gull (3 / 32 = 10%)
Mute swan (6 / 30 = 20%)
Goosander (6 / 23 = 26%)

(& 1 mammal)

20 aug 2006
SURVEY IN WILD BIRDS

- Cloacal swabs for virological examination
- Distribution between species:
  - 70% waterfowl
  - 20% shorebirds
  - 10% other free living birds
- Wild bird species presenting a higher risk

<table>
<thead>
<tr>
<th>ORDER</th>
<th>Species</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatina</td>
<td>Anas platyrhynchos</td>
<td>Mallard</td>
</tr>
<tr>
<td>Anserinae</td>
<td>Anser albifrons</td>
<td>White –fronted Goose</td>
</tr>
<tr>
<td>Aythyinae</td>
<td>Aythya fuligula</td>
<td>Tufted duck</td>
</tr>
<tr>
<td>Larii</td>
<td>Larus canus</td>
<td>Common gull</td>
</tr>
</tbody>
</table>
EU MEASURES

• Legislation/measures for:
  - HPAI in poultry
  - LPAI in poultry
  - HPAI in wild birds
• Measures frequently updated
• Special measures covering import of poultry and poultry products and captive birds
Risk areas in Denmark
25 Oct - 1 Dec 2005
Vaccination program

- Meat turkeys

- 1st administration 25 – 45 days
- 2nd administration 60 – 80 days
- Booster in case of introduction of H5 or H7
## Disease situation: 2011-2015

<table>
<thead>
<tr>
<th>Country</th>
<th>Avian Influenza Poultry/Wild</th>
<th>Bluetongue &amp; Foot and Mouth Disease</th>
<th>Classical swine fever D/W</th>
<th>African swine fever D/W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Denmark</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Estonia</td>
<td></td>
<td></td>
<td></td>
<td>18 D/764 W</td>
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<tr>
<td>Finland</td>
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<tr>
<td>Latvia</td>
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<td>3D/48W</td>
<td></td>
<td>42 D/ 901 W</td>
</tr>
<tr>
<td>Lithuania</td>
<td></td>
<td>5 D</td>
<td></td>
<td>18 D/ 156 W</td>
</tr>
<tr>
<td>Norway</td>
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<td>Sweden</td>
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</tbody>
</table>
African swine fever

Risk considerations at time of movements of animals and products

- African swine fever
- Preventive measures
- Direct and indirect contacts
- Qualitative & quantitative Risks
Border Inspection Posts
Wild boar biology
Biosecurity and partnerships

BIOSECURITY

Elements
- Animals
- Persons
- Biologicals
- Equipment
- Wildlife

Husbandry systems
- Industrial type
- Back yard

Measures
- Standards
- Protocols/ plans
- Legislation
Disposal of wild boar, LT
HURIKAN 1000E
Owned by Swedish Board of Agriculture

Total Events

5 Seminars
5 Simulation exercises
4 Workshops
> 20 Working group meetings

Publications: www.norden.org/en/publications
 Achievements

• Better understanding of epidemiology and disease control specifically related to:
  - Avian influenza
  - Bluetongue
  - African swine fever
• Better National animal disease contingency plans
• Enhanced Competence international veterinary relationships
Achievements

• Include the Baltic Veterinary administration in the Nordic “family”.
• Memorandum of understanding related to:
  - Animal Health Emergency Reserve
  - Platform for veterinary contingency planning studies
• Better Nordic-Baltic Communication system
• Cooperation with Artic Veterinary Contingency Collaboration (AVCC)
The Future

• Challenges:
  - Globalisation
  - Environmental changes
  - Diagnostics
  - Biosecurity
  - Economics
  - Converging technologies (Cognitive sciences, Nano, Bio, Information)
WHAT IS GAINED?

• Competence in developing and conducting simulation exercises
• Strong professional and private networks
• Sharing epidemiological data
• Training in Cross-border cooperation
Horace: CARPE DIEM

COOPERATION
NETWORK

Leadership