

# Disaster medicine for animals







#### **Swedish Centre for Animal Welfare**

- Located at the Swedish University of Agricultural Sciences (SLU)
- Director Professor Lotta Berg
- NCP for the protection of animals at the time of killing (reg. EU 1099/2009)
- WOAH Collaborating Centre for animal welfare with IZS Teramo
- WOAH CC for animal welfare global network
- Coordinator of European Union Reference Centre for Animal Welfare (EURCAW) Ruminants & Equines
  - Director Professor Harry Blokhuis
- Project Management Centre for Disaster Veterinary Medicine





# Why is preparedness important from an animal health and welfare perspective?

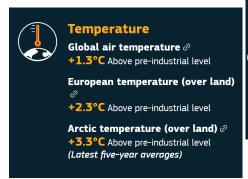
The level of threat has changed



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#### Climate change

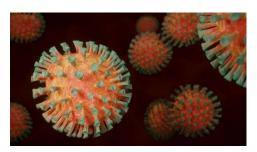






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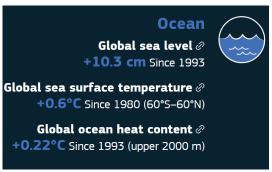
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New infections: Covid-19, mpox

#### Climate change

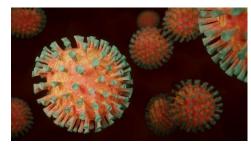






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The level of threat has changed



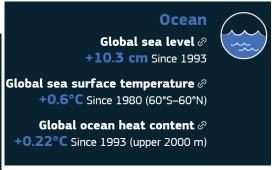
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The security level has changed

#### Climate change







### The Competent Authorities wanted to know more

- Mandate to investigate
  - How do crises impact animal health and welfare?
  - What happens to the possibilities of providing animal health care during a crisis?





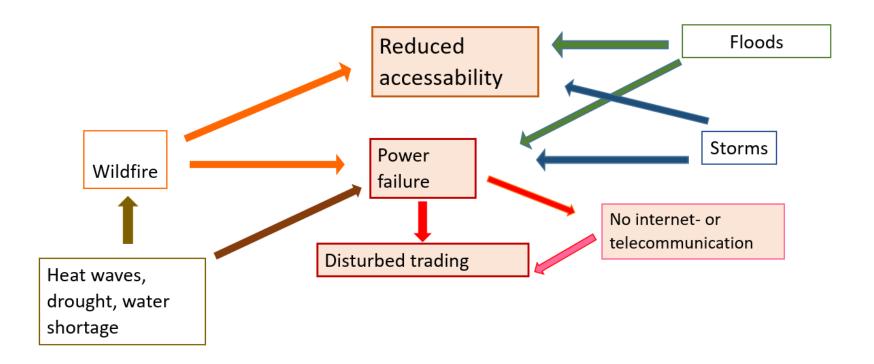
#### Important questions

- HOW does the crisis affect animal health and welfare?
- HOW is the crisis affecting the possibilities to provide health care?
- HOW can the farmer be prepared?
- WHICH actions are needed from the competent authorities?



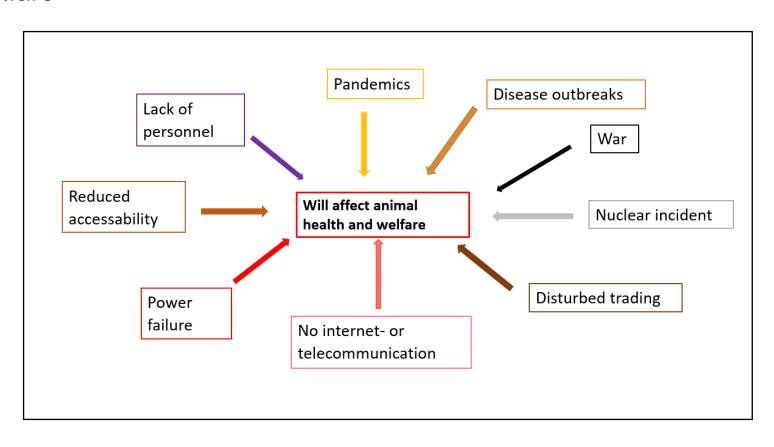


#### Natural disasters and their consequences





Many disasters and their consequences will affect animal health and welfare





### **Conclusion – there is room for improvement**



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- Many problems will affect both animal health per se, and the possibility of providing veterinary services
- Prevention of crises where possible
- Preparation for climate change
- Need for education, training and exercises
- Increase international collaboration (Nordic countries, WOAH)
- How will NATO affect the situation?
- In case of war or conflict situations, other problems in the society will occur simultaneously. Which ones and in what order can be difficult or even impossible to predict. We need to be prepared for every event.



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**A Centre for Disaster Veterinary Medicine** 



### **Swedish Centre for Disaster Veterinary Medicine**

- Pilot project 2025-2027 to evaluate possibilities for a permanent Centre
- Safeguarding of animal health, animal welfare, and supply of food products of animal origin
- All animals
  - Food-producing animals
  - Wild animals and fish
  - Service animals (military, police, customs, but also guide dogs)
  - Pets: people don't evacuate without their pets, also important for willingness to defend the country)



Source: UNHCR



# Focus area: Preparedness and contingency planning

#### Climate related

- heat waves
- o long-term drought
- water shortage
- o wildfires
- o storms
- o floods



#### Increased preparedness and war

- o CBRNE\*
- o IT overload
- Refugees with pets → potential new infections
- No tele- och internet communication
- Power failure
- Interrupted/disturbed import/export



<sup>\*</sup> Chemical, biological, radiological, nuclear and explosive



# Focus area: Preparedness and contingency planning

#### Existing and emerging threats

- Vector-borne diseases, new and/or invasive species (e.g. Impatiens glandulifera- Himalayan balsam)
- Mass evacuation big herds
  - · What, who, which, when, where, how, why?
- Triage for food-producing animals eg. animals with burns
  - o Treat, slaughter or kill?
  - o Rapid decisions with great economic impact
  - Direct impact: loss of farm and stables, feed, animals, income etc.
  - Long-term consequences: treatment costs, secondary diseases, impaired immunity, reduced production, ash on fields and water supplies, reconstruction costs etc.
- Etc.







## A knowledge centre

- A network for collecting and developing competencies
- Collaboration between authorities and institutes/organisations
- Research and education, continuous professional development
- Training and simulation exercises
  - Training of trainers
  - o "When we drill together, we win together." Dr D. Tin
- Communication: website, workshops, seminars
- Support to veterinarians and other relevant actors



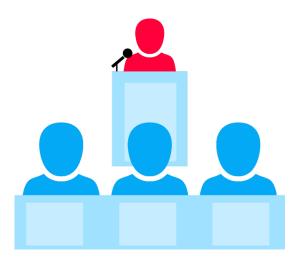
### Next steps – autumn 2025

- Workshop: In case of a disaster, humans are a priority How to deal with situations when standard medicines, materials, and equipment are not available
- 2-day visit with exercise at the Human Centre for Disaster Medicine
- Workshop at the Royal Swedish Academy of Agriculture and Forestry
- Workshop: Where Do We Go from Here? (Suggestions from report)
- Workshop: Needs of the Competent Authorities
- Workshop: Needs of the industry, farmers' associations, NGO:s for food-producing animals
- Workshop: Needs of the industry, organisations, NGOS:s for pets, police and military dogs, rescue dogs, service animals, therapy animals etc.



### We need you!

- Do you want to speak at our webinars in **November**?
- Does your country have a Centre for Disaster Veterinary Medicine or similar that we can visit in 2026-2027?
- Please contact me!





### **Partners**

- Swedish Veterinary Agency
- Swedish University of Agricultural Sciences
- Swedish Centre for Animal Welfare
- Swedish Food Agency
- National Board of Agriculture
- District veterinarians
- Swedish Armed Forces
- National Board of Health and Welfare
- County Administrative Boards
- Centre for Disaster Medicine (University of Gothenburg)
- NGOs

























# Thank you for your attention!

Questions and suggestions are welcome!

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