



# **AniBioThreat Exercise: Conclusions and Lessons Learned**

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France

# Multidisciplinary approaches to reduce biological threats.....



"All Hazards  
– One  
Health"



"Global  
Health"



.....by building forward resilience

# Background



2009 EU Call:  
about animal  
bioterrorism threats

- 2006: EU strategic seminars
- 2007: Green Paper on Biopreparedness
- 2008: CBRN Task Force
- 2009: EU CBRN Action Plan
- 2010-2014: Implementation
- 2015 Next step of a new CBRNE Agenda?

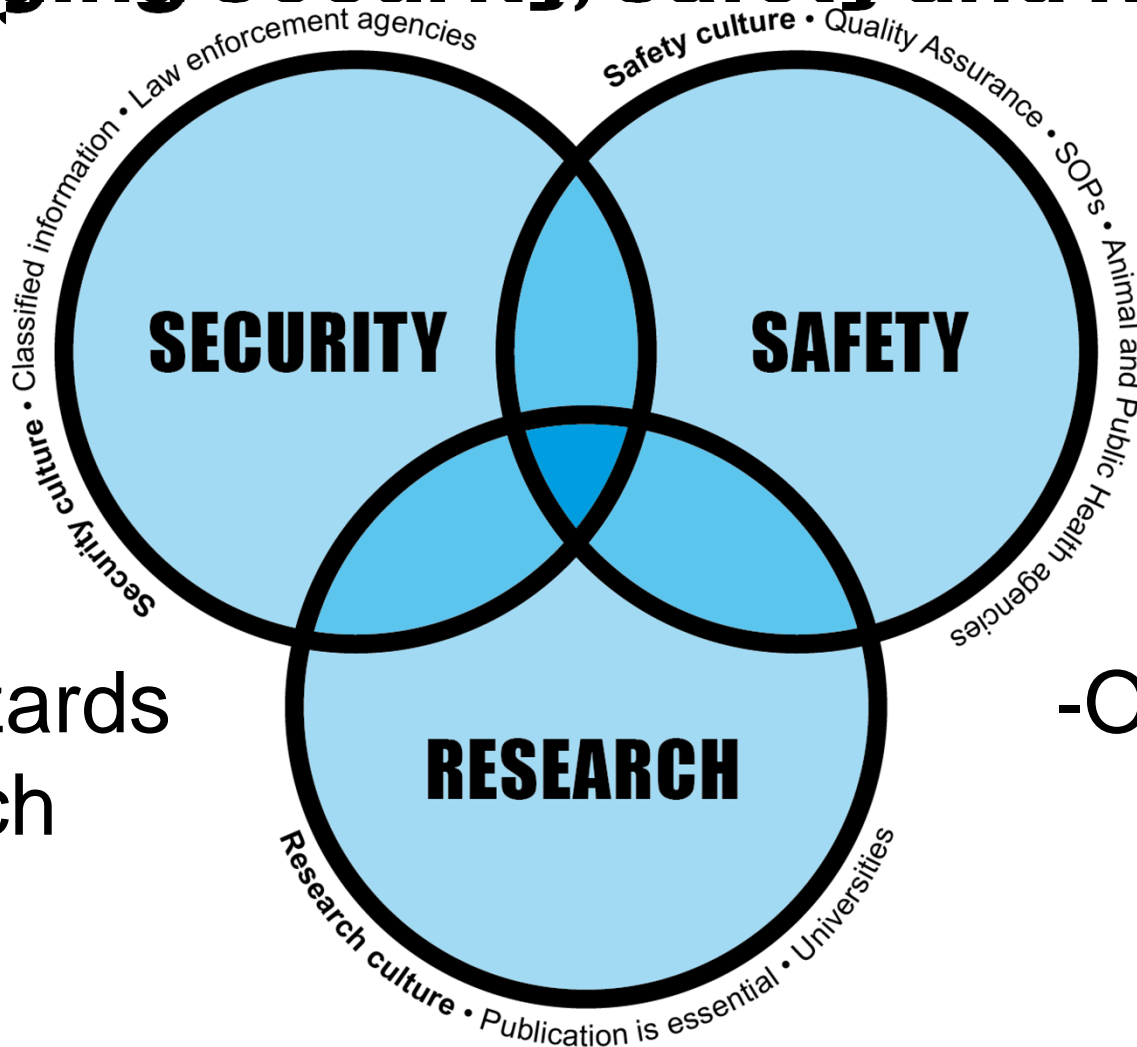
# AniBioThreat

- **Title:** "Bio-preparedness measures concerning, prevention, detection and response to animal bioterrorism threats"
- **Total Budget:** 7.003.992,26 € (70% funded by ISEC and 30% partners)
- **Project period:** 1st of October, 2010 to 30th of September 2013
- **Duration:** 3 years
- **Partners:** From 8 EU Member States
- **Overall objective:**
  - The project aims to improve EU's capacity to counter biological animal biothreats in terms of awareness, prevention and contingency.

# Bridging Security, Safety and Research



- All hazards approach



-One Health

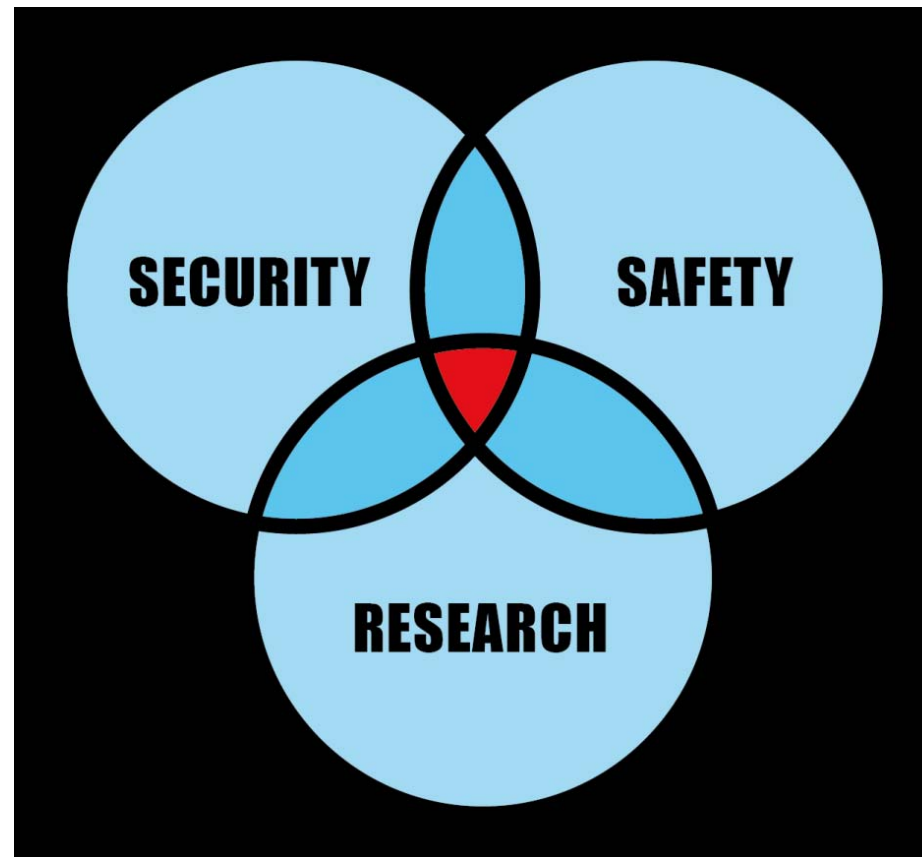
**Engagement of academia, security, public & animal health partners**

## Kick-off: 5-8 Oct, 2010, Uppsala



**Multidisciplinary: veterinarians, medical doctors, bacteriologists, virologists, agronomists, molecular biologists, epidemiologists, communicators, superintendents, police officers, seargents, forensic experts, lawyers, professors, Post Docs, PhD students**

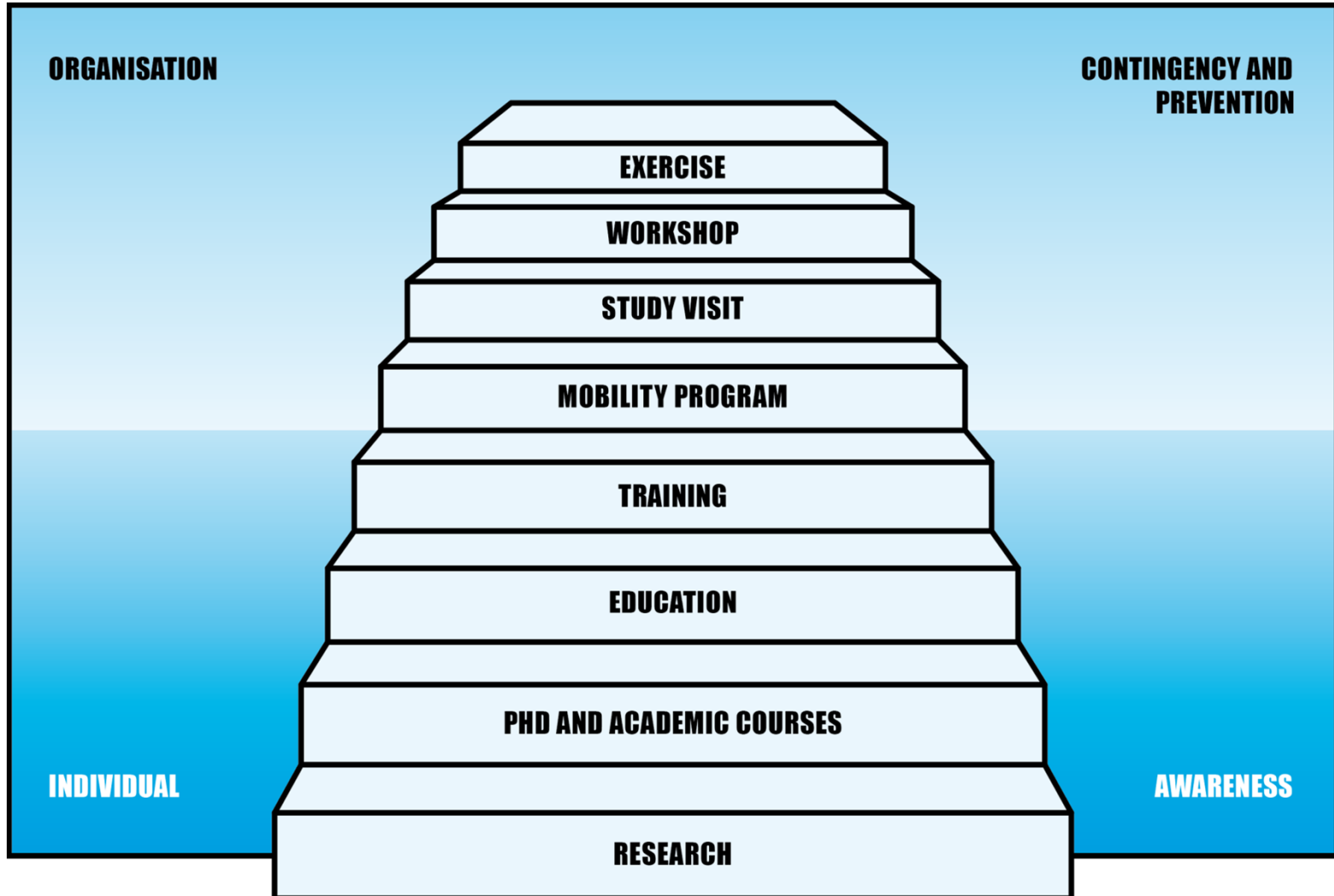
# The conflict zone...



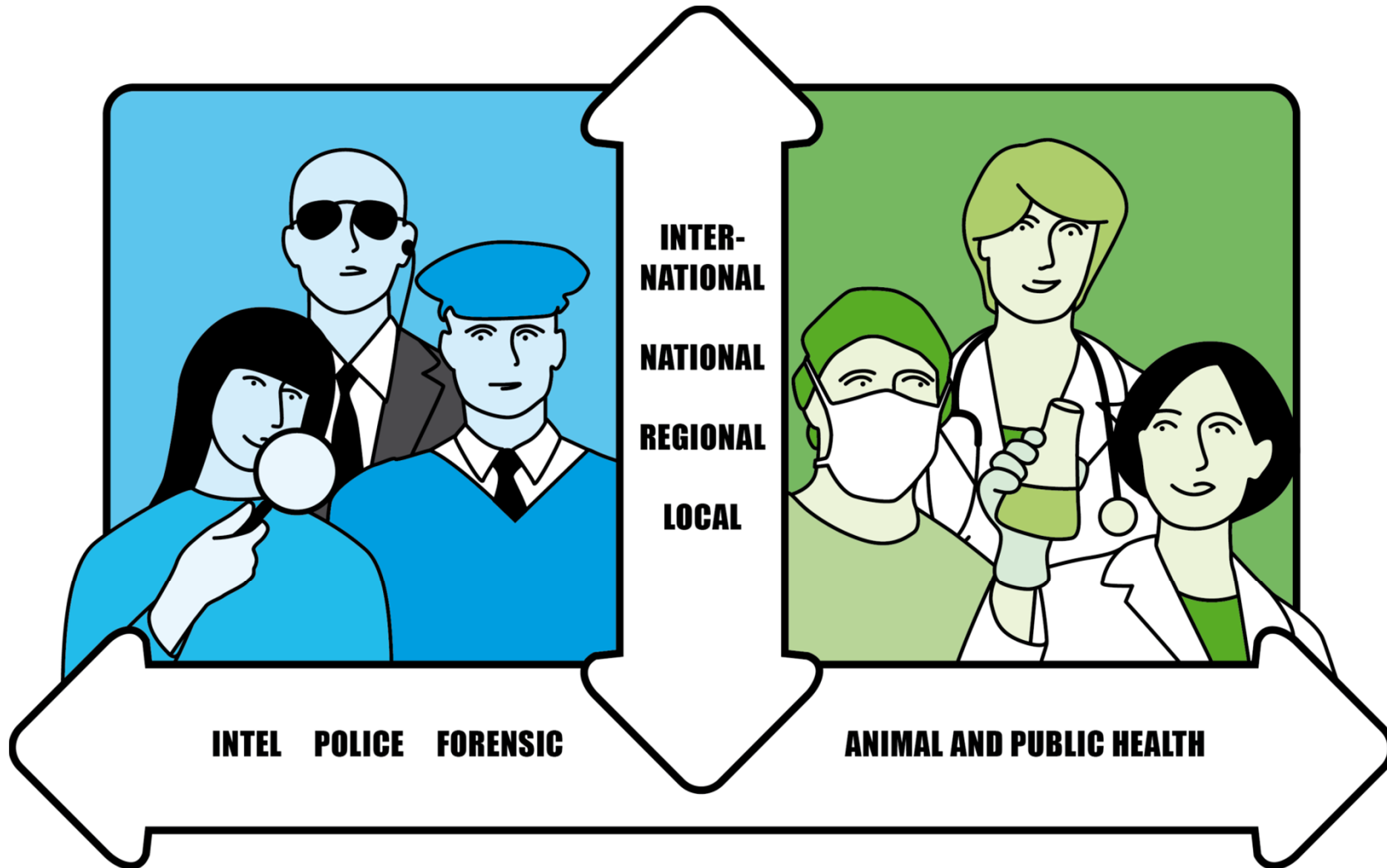
**Collision of cultures**



# Building the Bridge



# Interoperability & Biothreat Reduction



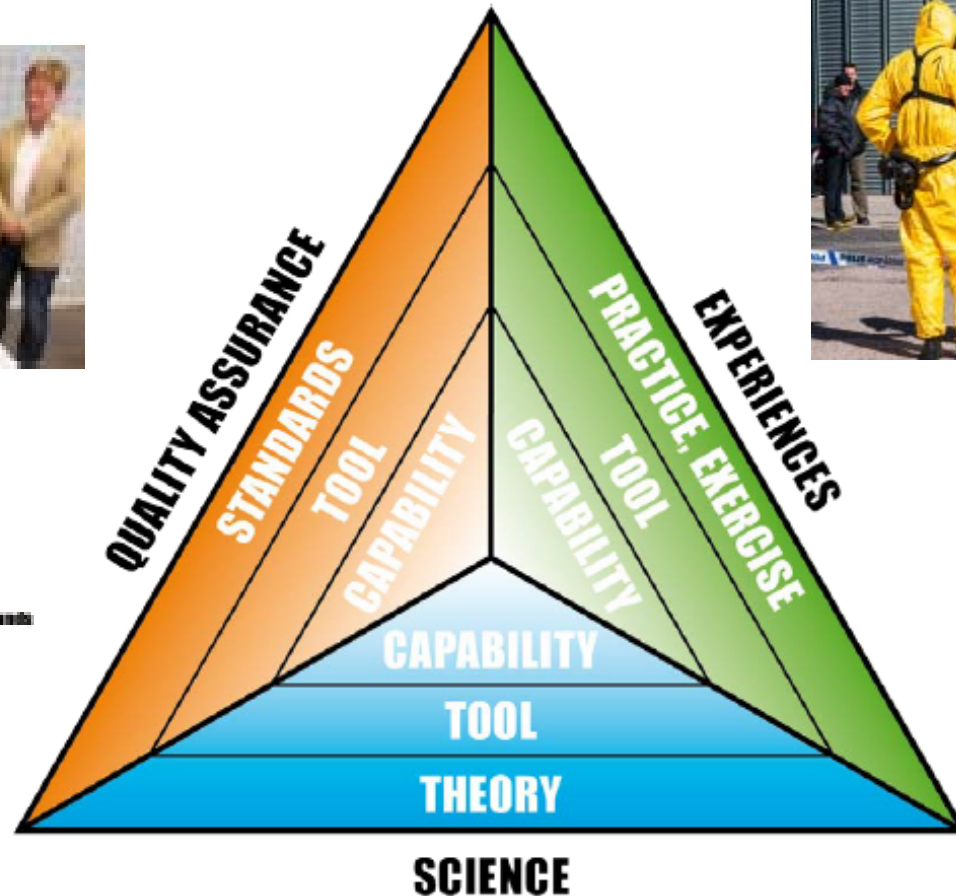
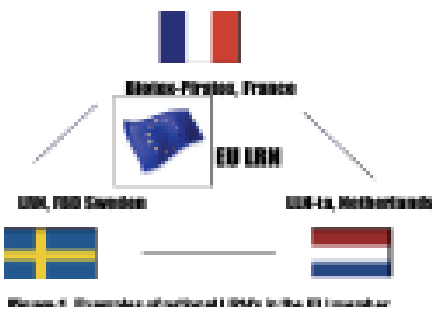
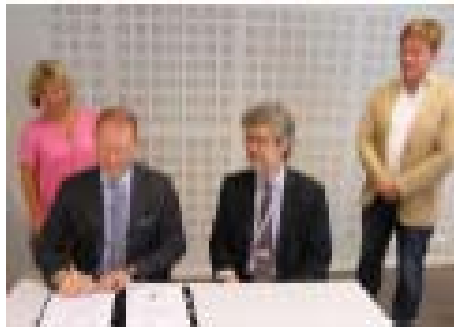
# Three main topics

- Bridging
- Multi-sectoral
- Actionable



# Multi-sectoral capability

Biorisk Management  
CWA 15793

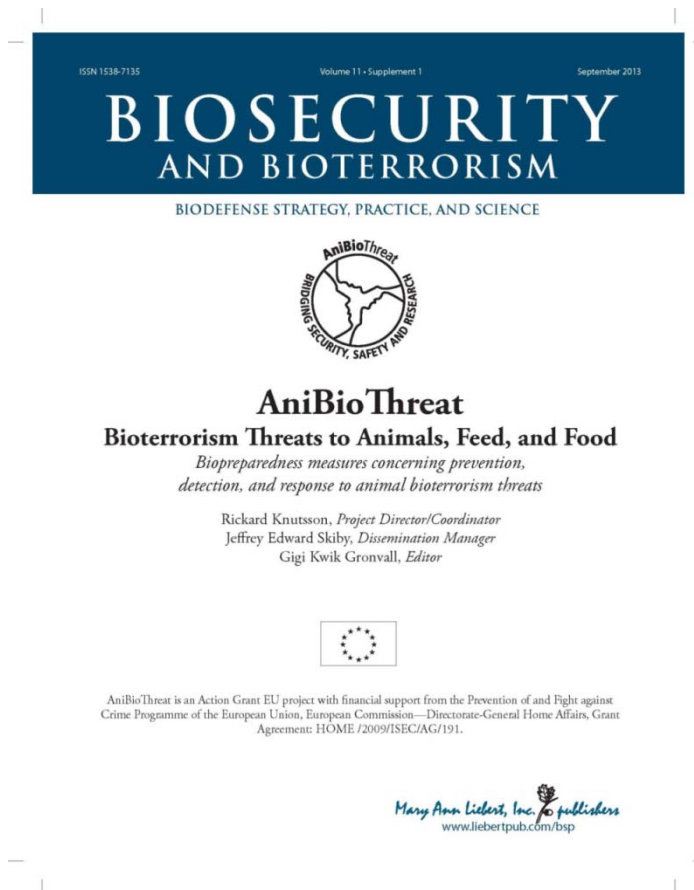


SAMBIO2013



Anthrax  
outbreak

# Supplement Issue: Bioterrorism Threats to Animals, Feed and Food



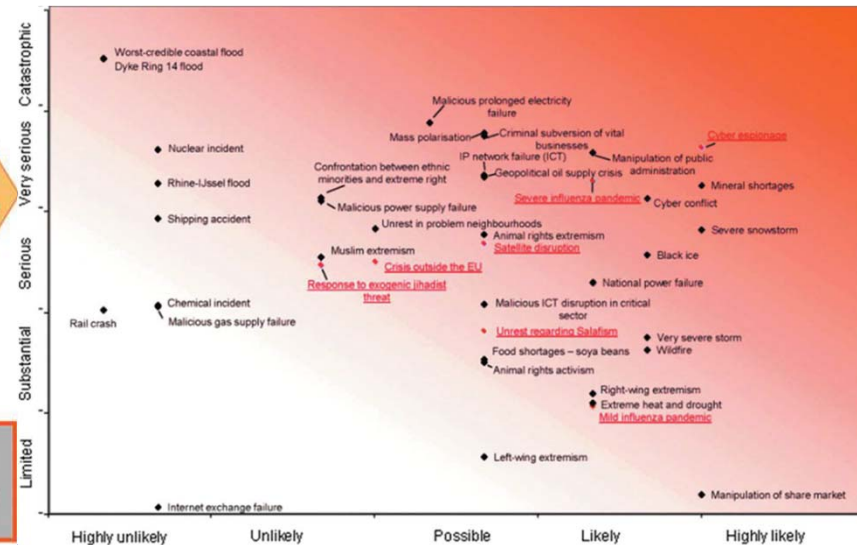
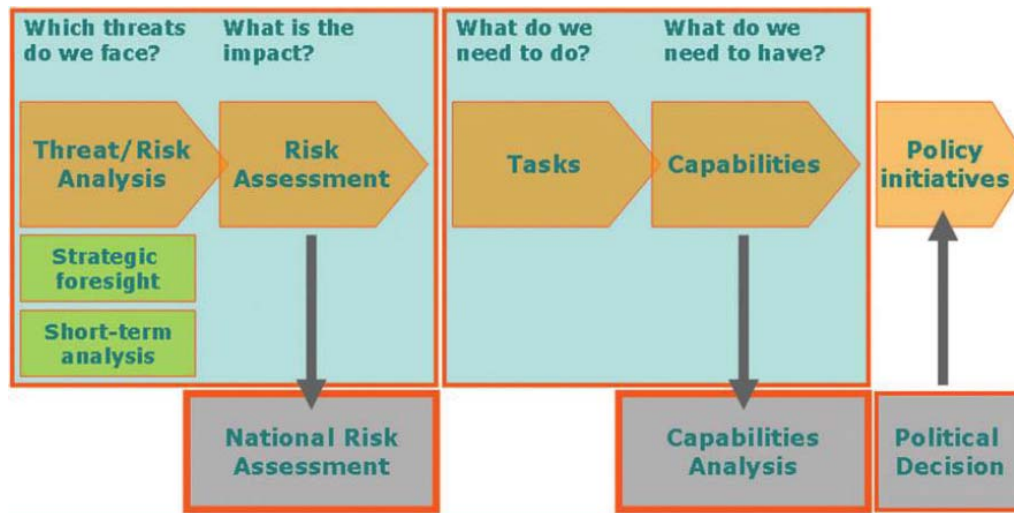
-Original research

-Next steps for  
research

-New cross-  
collaborations  
identified

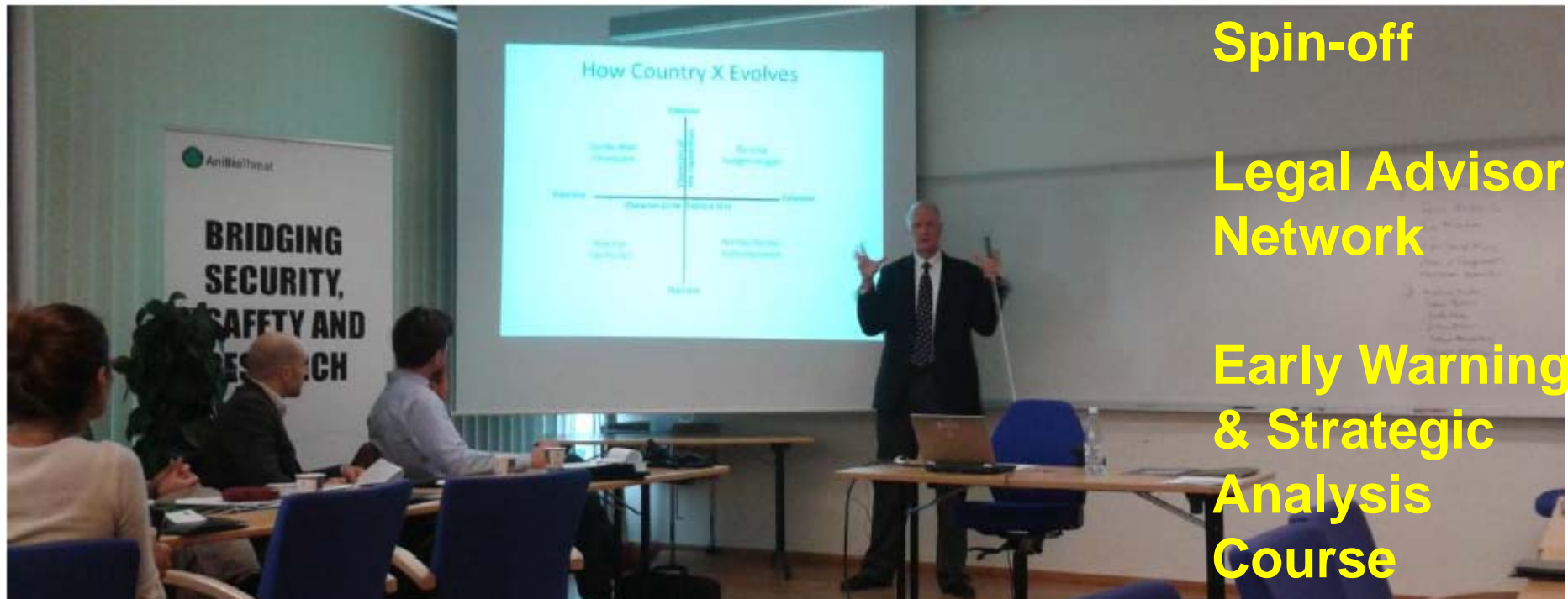
- Comprehensive  
and Full-scope of  
issues

# National Risk Assessment Studies – Example the Netherlands



van Tuyll 2013 Dealing with Future Risks in the Netherlands; Biosec Bioterror, Vol 11 p, S55-63

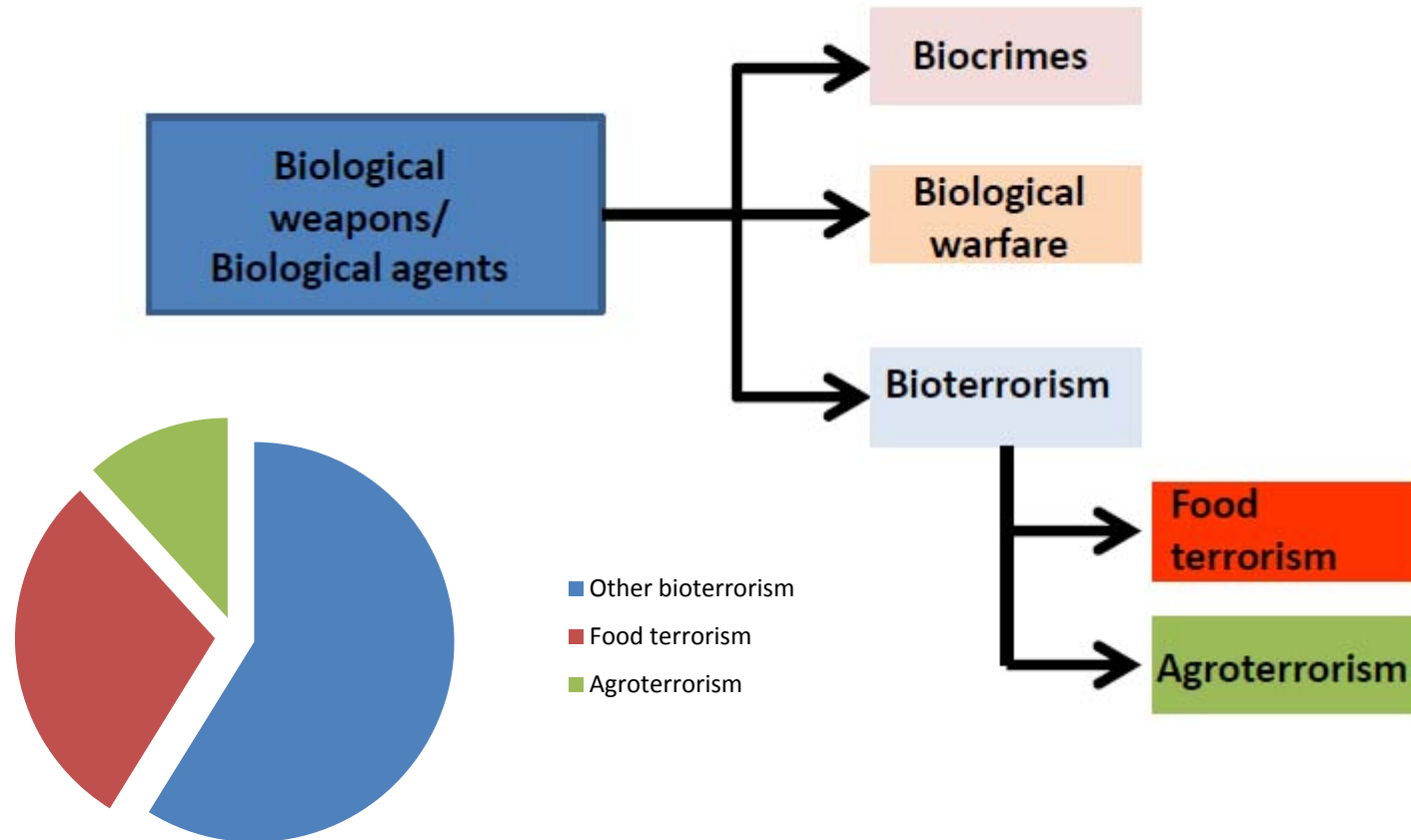
# Actionable Knowledge Workshop



## Building a Collaborative Culture

Mårtensson, P-Å., Hedström, L., Sundelius, B., Skiby, J., Elbers, A., Knutsson, R. 2013; Actionable Knowledge and Strategic Decision Making for Bio- and Agroterrorism Threats: Building a Collaborative Early Warning Culture, Biosec Bioterror, Vol 11 p, S46-54.

# Historic Perspective Agroterrorism



Keremidis, H., Appel, B., Menrath, A., Tomuzia, K., Normark, M., Roffey, R., Knutsson, R. 2013; Historical Perspective on Agroterrorism: Lessons Learned From 1945 to 2012 ,Biosec Bioterror, Vol 11 p, S46-54.



# AniBioThreat Exercises: Contingency Planning & Simulation

- Insider (Sundqvist et al, 2013 Biosec Bioterror, Vol 11 p, S36-44).
- ShareSec (Deliverable 2.2: [www.anibiothreat.com](http://www.anibiothreat.com))
- **SAMBIO 2013 – Animal Bioterrorism Exercise** (See Poster Session, Anna Tubbin, National Board of Agriculture and Deliverable 6.3: [www.anibiothreat.com](http://www.anibiothreat.com))
  - Organized by National Board of Agriculture, Sweden



## Joint exercise between security & public/animal health sectors

### Field Exercise



### Table Top Exercise



# Conclusions

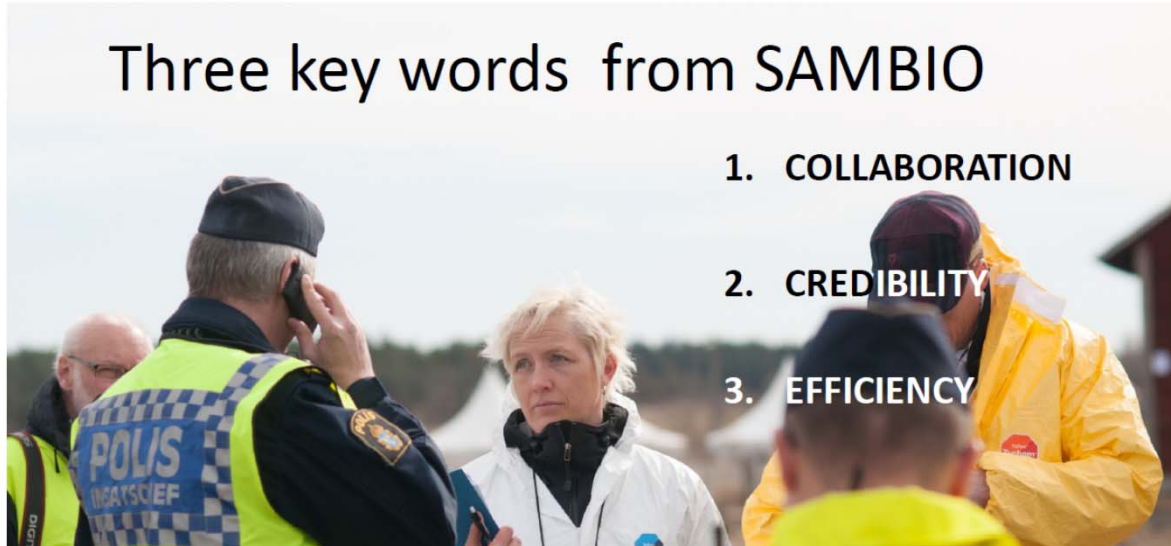
- It was a pilot exercise for a multi-sectoral response to an animal bioterrorism incident
- Several collaboration perspective and 10 developments areas have been identified
- Increased awareness about other organizations role and responsibilities
- Updated contingency plans for deliberate acts
- The need for sustainable training & exercises





## Three key words from SAMBIO

1. COLLABORATION
2. CREDIBILITY
3. EFFICIENCY



## Three recommendations for the future

1. DEVELOP A CLOSE COLLABORATION
2. PREPARE AN EFFICIENT READINESS
3. CONDUCT MORE CRISIS MANAGEMENT EXERCISE



# AniBioThreat In Summary: Output

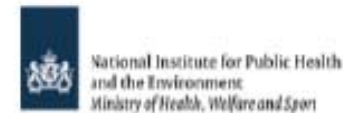
- 8 EU countries
- More than 170 participants
- 5 Consortium meetings
- Early Warning and Strategic analysis course
- 2 Education movies security
- 2 Training events for first responders
- 5 Mobility program
- 10 workshops
- 3 exercises (SAMBIO2013)
- Biopreparedness tools and protocols
- Updated Contingency Plans
- Implementation of decision
- More than 70 publications

# Recommendations from AniBioThreat

- Integrating bio agro preparedness to ensure the safety and security of EU citizens
- Invest to ensure sustainable networks, expertise, research
- Continue development and implementation of communication technologies, decision making tools and defined responsibilities
- Widen the awareness through outreach to EU28 and further, sectors, disciplines
- Strengthen and develop the multi-sectoral approach through bridging actions
- Facilitate multidisciplinary interaction between scientists, practitioners and first responders
- Foster a holistic mindset

# Acknowledgement

- European Commission
- All hard working AniBioThreat Partners and Associated Partners
- WP and Task Leaders, AniBioThreat Steering Committee
- External Advisory Board; Heather Sheeley (HPE), Jan Langermans (BPRC), Joris De Baerdermaeker (INTERPOL)





1 AM Garderen, Holland



2 AM Budapest, Hungary



3 AM Åre, Sweden



Final AM Brussels, Belgium





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