

# Foresights Review

WP4/FPU

overview draft results

# Draft report

- Objectives
- Materials and methods
- Results
  - List of methods used
  - List of driving forces for EID
  - List of threats
  - List of future research topics
- Considerations

# Objectives

- To list and evaluate foresight studies (and methods used) with potential relevance for the EMIDA research agenda
- To identify topics
- To deliver and contribute to further identification of future research topics

# Materials and methods

- FPU established
  - The following countries are represented in the FPU of work package 4:
    - The Netherlands (WP-leader + FPU-leader)
    - Belgium
    - United Kingdom
    - Spain
    - Norway
    - Czech Republic
- Potential relevant foresight studies collected (43)
- Foresights reviewed & analysed; reviews rated
- Lists drafted: methods used, driving forces, threats and research topics

# List of methods used

- Literature reviews
- Expert opinions/panels
  
- Scenario studies
- Working groups / workshops
- Questionnaires, interviews, disease risk assessments

# List of driving forces

for future threats to animal health and their relevant importance:

1. Climate change
2. Int. travel, transport and trade (incl livestock)
3. Economy and trade
4. Land use change
5. Wildlife, biodiversity
6. Policy
7. Environment
8. Urbanisation
9. (bio)terrorism
10. Agriculture practice change
11. Change in society and attitude towards animals
12. and many many more ....

# List of threats

And their relevant importance:

- West Nile fever
- Bluetongue
- Rift Valley fever
- Climate change
- African horse sickness
- Avian influenza
- Invasion of exotic organisms that carry disease
- Dengue
- Japanese encephalitis
- (Visceral) Leishmaniosis
- Leptospiroses
- Crimean-Congo haemorrhagic fever
- Hanta-virus
- Environmental degradation
- .....

# List of future research topics

Ranked according no of times found in literature:

- Medication
- Prevention
- Fundamental disease knowledge
- New technologies
- Early detection diseases/pathogens
- Vectors and vectorborne diseases
- Surveillance systems
- Remote sensing
- Climate
- Convergence of animal health and public health strategies
- .....

# Considerations

- Various authors clearly have **various definitions** of both drivers and threats
- **Literature searches** seem to be important as means to get a grip on future developments
- **Importance is based on the opinion of the referee** who rated the literature, not on a formal set of criteria
- list of future research topics reflects the **opinion of the authors of the literature** reviewed
- overview provides enough information to use as **basic input for the Delphi study**
- a research **gap analysis** will be necessary to create a thorough foundation for the common SRA
- There will always be new developments, so this exercise should be **repeated every few years**