



Nederlandse Voedsel- en
Warenautoriteit
Ministerie van Economische Zaken

Risk ranking in the red meat supply chain

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For more information, visit <http://www.vwa.nl>

AF 56th meeting, 11 June 2015 (Riga)

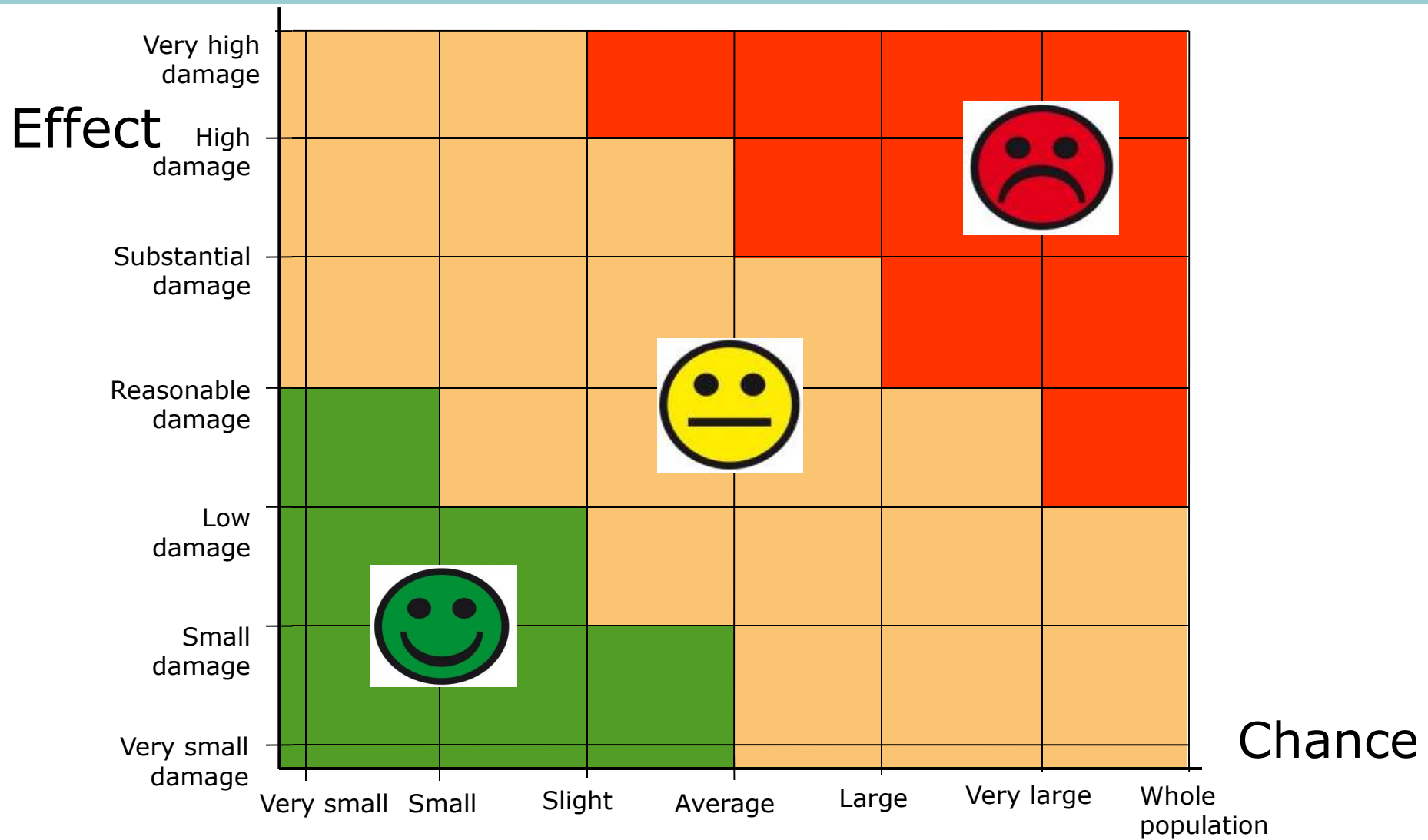
Risk ranking



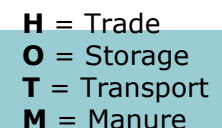
- Risk ranking has been recognized as starting point for risk-based priority setting and resource allocation at the level of risk management.
- Red meat supply chain risk analysis calculates backwards from societal values such as human health, plant- and animal health and animal welfare, identifies hazards and risks and provides advice on how to manage these risks.

<http://www.efsa.europa.eu/en/press/news/130627a.htm>

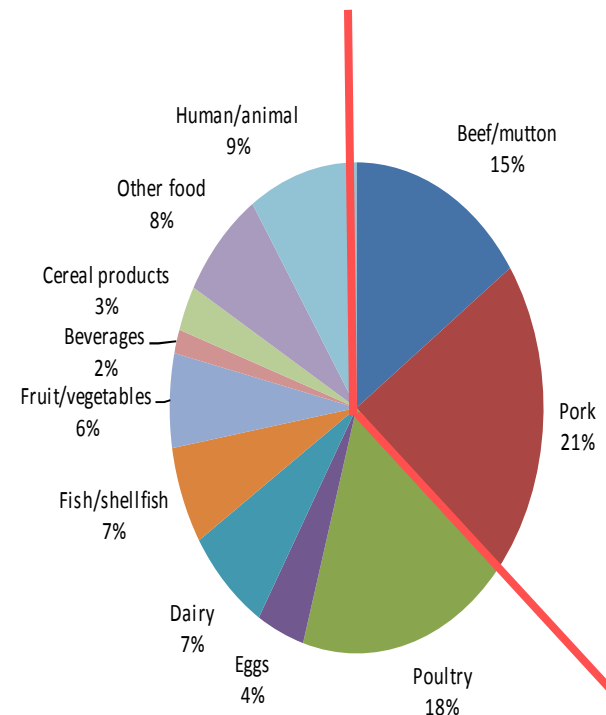
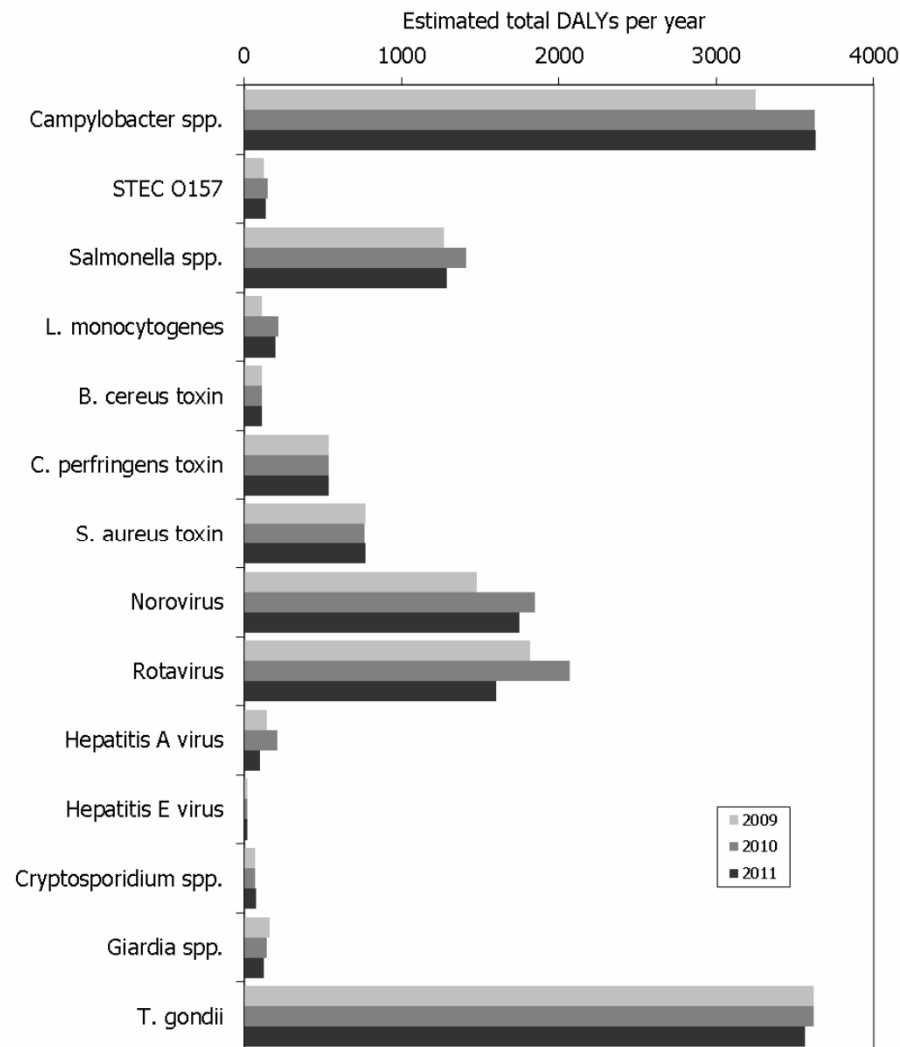
Risk matrix

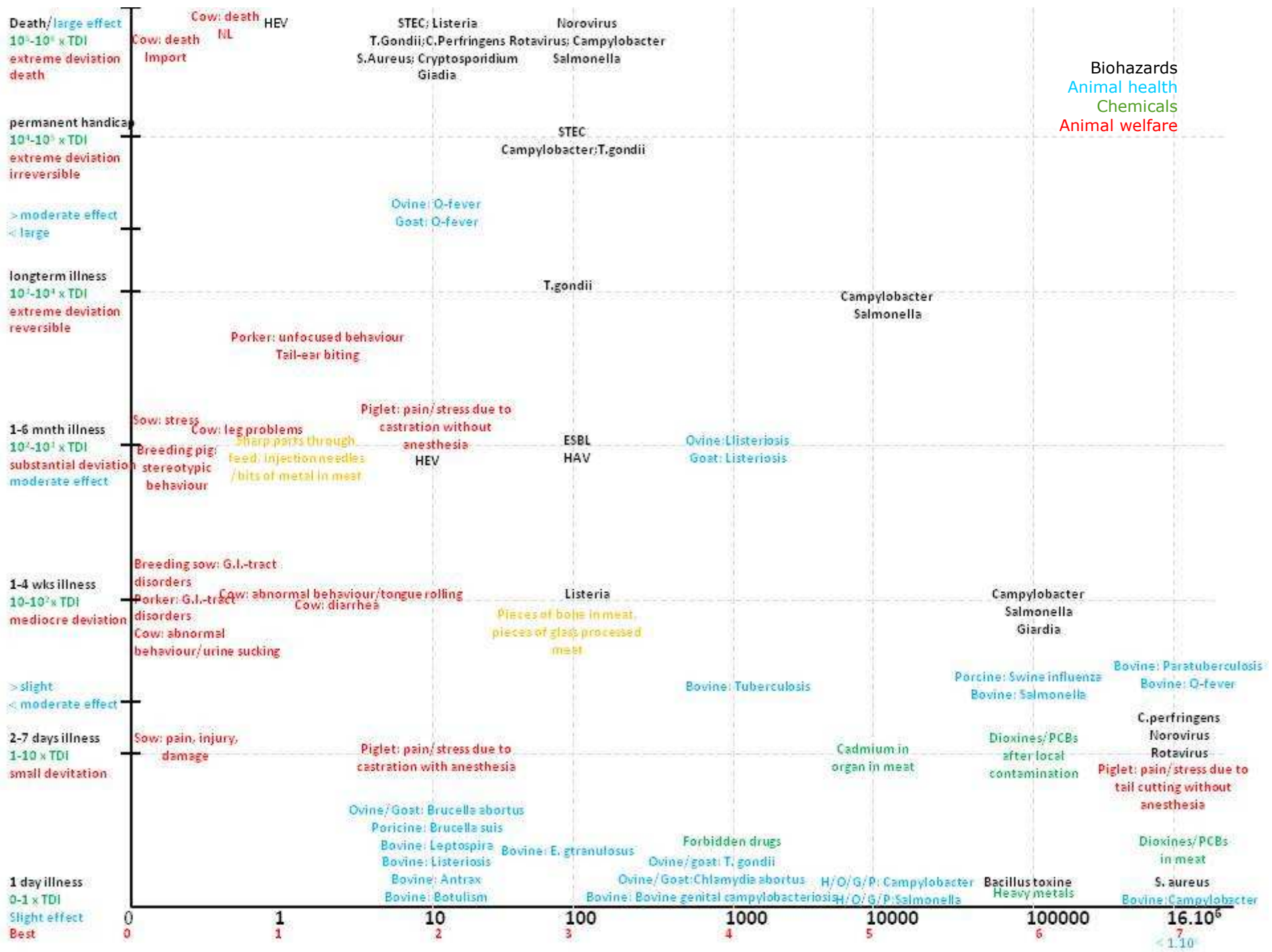


1st Part



Disease burden





Biohazards



Health Effect

Death

Permanent Handicap

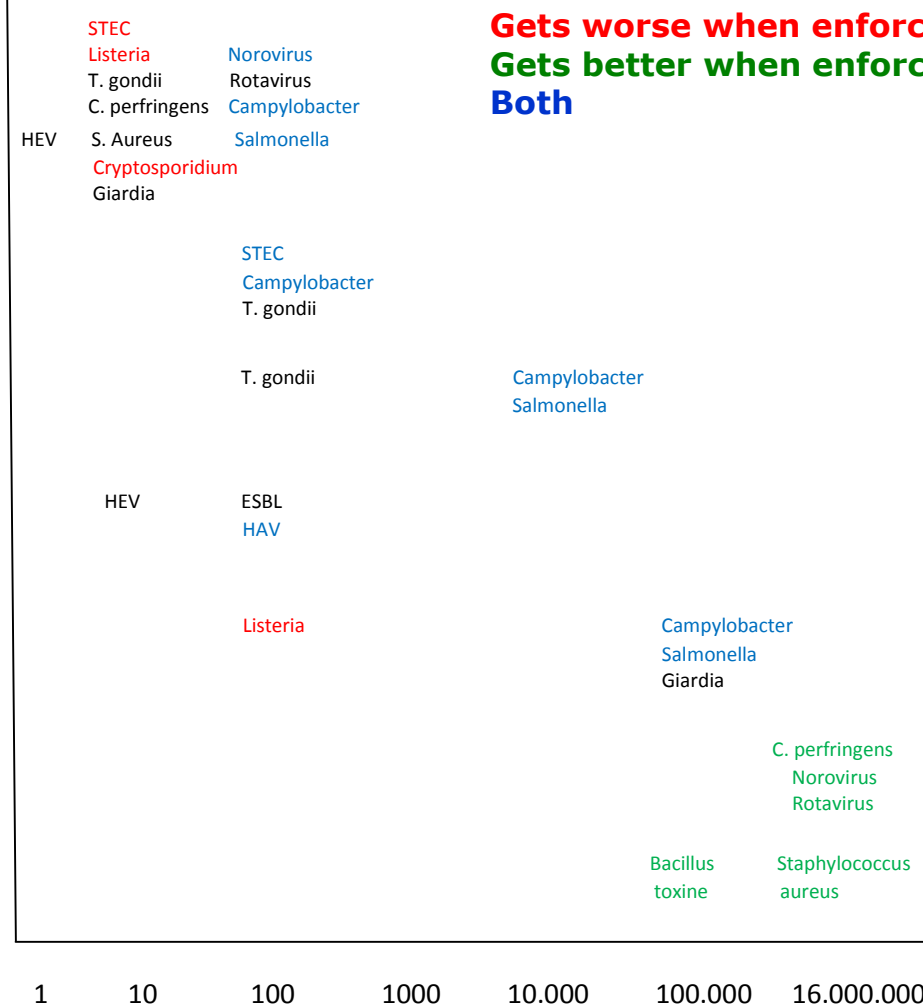
Long-term illness

1-6 month illness

1-4 weeks illness

2-7 days illness

1 day sick



Gets worse when enforcement is reduced
Gets better when enforcement is increased
Both

Exposed Numbers

Biohazards



- Public health risks are almost exclusively caused by pathogenic microorganisms (i.e. mild temporary illness).
- Disease burden is caused by genera *Campylobacter* and *Salmonella*.
- Prevention of contamination with pathogens is most effective in primary stage; followed by improved slaughterhouse procedures (fecal spilling-over and cross-contamination).
- All red meat animals contribute to the disease burden observed.
- Cold stores hardly contribute to health risks as long as hygiene is controlled.

Chemical hazards



- Chemical and physical risks are marginal (adequately controlled).
- Occasionally there is very limited exposure to contaminants and veterinary medicines.
- Magnitude of risk of illegal use of antibiotics, growth promoters and other veterinary drugs/unlicensed feed is almost unknown.
- By reducing antibiotics in animal production it could increase the burden of disease in animals.



Advice of main issues, for example:

- *Put more effort in supervision of the initial stages;*
- *Emphasize microbiological food safety;*
- *Monitor violations of animal welfare laws;*
- *.....*



Data and information position

What data is already available ?

What are the data gaps?

Data-analysis and data-structure (DWH)?

Data governance?

Thank you



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