



COST 920, WG 3, Workshop Dubrovnik, Croatia, June 26-28, 2005

Programme

Sunday June 26

9.00: Opening words by Hilde Kruse, vice chair of WG3

Session 1: Dose-response modelling

-Session chair Arie Havelaar

9.00-11.00

- *Peter Teunis, RIVM, The Netherlands*
Human dose-response assessment: data sources and models
- *Arie Havelaar, RIVM, The Netherlands*
Dose-response modelling: animal data
- Discussion

11.00-11.30 Coffee break

11.30-13.00

- *Judy Johnson, University of Maryland, Baltimore, USA*
Food matrix effects on the dose-response relationship of *Vibrio* spp.
- Discussion
- Poster viewing

13.00-14.00 Lunch

Sunday June 26

Session 2: The pathogen - from farm to carcass - quantified

-Session chairs Emma Snary and Marion Wooldridge

14.00-16.00

- *Emma Hartnett, Decisionalysis Risk Consultants Inc. Canada. Invited paper.*
Modelling cross-contamination from farm-to-product in microbiological risk assessment.
- *Roland Lindqvist, National Food Administration, Sweden*
Evaluation of options at the producer and consumer stages for reducing the risk of *Campylobacter jejuni* illness from consumption of chicken.
- *Fernando Pérez-Rodríguez, University of Cordoba, Spain*
Exposure assessment as a tool to support decisions in a risk management scheme: evaluation of different scenarios of cross-contamination for *Listeria monocytogenes* in deli-meat products.
- *Padraig Nally, University College Dublin, Ireland.*
A second-order quantitative risk assessment model for *Escherichia coli* O157:H7 in Irish minced beef products.

16.00 Allocation of breakout group membership.

Final topics to be decided dependant upon results of questionnaire.

16.00- 17.15 'Working' coffee break, within breakout session, 4 working groups

17.15-18.00 Presentations from each breakout group, general discussion

Dinner, 20.00 and onwards

Monday June 27

Session 3: Food Safety Objectives, Performance Objectives, Appropriate Level of Protection etc; How can they be derived from RA models?

- Session chair Hilde Kruse

9.00-11.00

- *Jørgen Schlundt, WHO*
Food Safety Objectives/Performance Objectives – Setting Targets for Risk Reduction
- *Robert Buchanan, FDA, USA*
Linking Public Health Goals to Food Hygiene Requirements: Impact of Risk Analysis
- Qs&As, General discussion

11.00-11.30 Coffee break

11.30-13.00

- *Moez Sanaa, Veterinary School of Alfort, France*
Use of QRA models to derive at Food Safety Objectives; *Listeria monocytogenes* in soft cheeses as an example.
- *Arie Havelaar, RIVM, The Netherlands*
Linking QMRA and FSOs: *Campylobacter* in broiler chicken meat as an example.
- Qs&As, General discussion

13.00-14.00 Lunch

14.00-16.00

- *Birgit Nørrung, Danish Institute for Food and Veterinary Research*
Danish experiences with microbiological criteria/ Food Safety Objectives
- *Antonio Valero, University of Cordoba, Spain*
Use of predictive microbiology tools and Food Safety Objectives in a product design process
- *Elena Carrasco, University of Cordoba, Spain*
Quantitative models can help manufacturers achieve regulatory criteria for *Listeria monocytogenes*.
- Qs&As, General discussion

16.00-16.30 Coffee break

16.30-18.00

- *Eystein Skjerve, Norwegian School of Veterinary Science, Norway*
Microbiological risk assessment and its role in changing approaches to food safety work – Paradise lost or a fool's paradise
- General discussion
- Poster viewing

Dinner, 20.00 and onwards

Tuesday June 28, Technical session in parallel with MC meeting

Technical session, 9-13 hours

9.00 – 9.10 Welcome and introduction
by Tine Hald

9.10 – 9.45 Lecture: Introduction to Bayesian inference
by Henrik Stryhn

9.45 – 10.30 1st tutorial: Exercises and practical examples
by Henrik Stryhn, Tine Hald and Danilo Lo Fo Wong

10.30 – 11.00 Lecture: Application of Bayesian inference in quantitative risk models
by Henrik Stryhn

11.00 – 11.30 Coffee break

11.30 – 12.00 Lecture and computer demonstrations: Application of Bayesian inference in quantitative risk models
by Henrik Stryhn and Tine Hald

12.00 – 13.00 2nd tutorial: Exercises and practical examples
by Henrik Stryhn, Tine Hald and Danilo Lo Fo Wong

13.00 – 14.00 Lunch

Adjourn

Practical information for technical session

Each participant is requested to bring a laptop.

The participants will be provided with a CD-Rom containing all relevant material including lecture notes, overheads, solution to exercises, and relevant software. We intend to distribute the CD's at the beginning of the workshop e.g. in connection with registration allowing time for installing the software. Lecture notes and exercises will also be provided on paper.

Each participant will be charged a small fee of 15 EURO to cover expenses in relation to the above-mentioned course material.

Presentation of Henrik Stryhn

Henrik Stryhn is a statistician, coming from Denmark. From September 1st 2001, he works as associate professor in biostatistics at the [Atlantic Veterinary College, University of Prince Edward Island, PEI](#), Canada. His [Danish homepage](#), as of 27/9-2001, summarizes his work in research and teaching up till his move to Canada. Current work involves [research](#), [teaching](#), [supervision](#) and [consulting](#) in statistical methods for veterinary epidemiology.

Degrees: M.Sc., University Copenhagen, Denmark, 1988, Ph.D., Royal Veterinary and Agricultural University, Denmark, 1994

Research Interests: Applied statistics, generalised linear mixed models, survival analysis, experimental design, Bayesian statistics, multi-level modelling, quantitative risk assessment, latent class models for diagnostic testing, spatial statistics, biological sequence analysis.

Contact: Office Phone: 1-902-894-2847, Email: hstryhn@upei.ca

Personal Website: www.upei.ca/~hstryhn



MC meeting

9-13 hours : *Chris Thorns to organize*

Coffee break 11.00-11.30

Lunch, 13-14 hours

Adjourn