



CONTAMINATION OF SURFACE WATER BY *CRYPTOSPORIDIUM* SPP.:
A WORKSHOP ON MOLECULAR BIOLOGICAL TECHNIQUES AND RISK ASSESSMENT
Wednesday 3rd to Friday 5th June 2009

Thursday, June 4th, 2009

Summary: The Cryptonet risk assessment workshop is designed to give a hands-on introduction to risk modelling techniques and software through a participatory approach. Participants will engage in the analysis of a *Cryptosporidium* risk assessment using real data. A guided tour of the software package, @risk, will be used to facilitate the evaluation of two transmission pathway scenarios using Monte Carlo simulation. The workshop will conclude with a discussion of the groups' findings and the potential applications risk principles and techniques.

10:00 - 10:30 Introduction to *Cryptosporidium* and microbial risk assessment

10:30 - 11:00 Hands-on session 1:

Introduction to @risk

Setting up and using @risk software

Palisade Inc. monte carlo simulation software (<http://www.palisade.com/>)

11:00 - 12:00 Hands-on session 2:

Development of conceptual models

Application of risk assessment principles to an applied health issue

Development of pathway scenario framework to develop risk models

12:30 - 13:00 Hands-on session 3:

Implementation of models in @risk

13:00 - 14:00 *Lunch*

14:00 - 15:15 Hands-on session 4:

Hands on use of software applied to real life issues in microbial risk modelling

Evaluation of uncertainty

13:15 - 16:00 Interpretation of results and discussion

Facilitated group discussion of conceptual models and the application of software to address uncertainty and variability in risk modelling