

**UNIVERSITY OF PRINCE EDWARD ISLAND
CENTRE FOR VETERINARY EPIDEMIOLOGIC RESEARCH
CANADA**

**UNIVERSIDAD AUSTRAL DE CHILE
INSTITUTE OF PREVENTIVE VETERINARY MEDICINE
CHILE**

SYSTEMATIC REVIEWS AND META-ANALYSIS- VALDIVIA

1. Name, hours and date

Systematic reviews and meta-analysis course to be developed in 24 hours (8 hours/day) as a pre-conference in Valdivia, Chile between November 20th and 22nd.

2. Organization and lectures

Combination of lectures and practical sessions. The statistical software STATA or MIX will be the main package used during the course. Program scripts for STATA will be provided. The course will be offered in English or Spanish according to the preference of the interested parties.

3. Location and facilities

Universidad Austral de Chile, campus Isla Teja, Valdivia, Chile.

4. Brief description

This intensive course will provide with an understanding of the principles and practical application of research synthesis and translation methodologies (i.e. systematic review and meta-analysis). Participants will be exposed to the application of these methods for:

- Microbial food safety
- Public health, and
- Animal health

Participants will be introduced to the concepts of integrating these methods in support of informed policy and decision-making in public and animal health.

5. Number of participants

Twenty (20)

6. Program

Systematic reviews

Meta-analysis: models, forest plot

Software for meta-analysis

Heterogeneity: evaluation and sources

Meta-regression

Publication bias

Cumulative meta-analysis

7. Instructors

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