

Spatial dimension of predator prey dynamics

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Chizé, France 26 -28 Sept. 2008

Friday 26 Sept:

16h Welcome and brief introduction

Pablo Inchausti (Centre d'Etudes Biologiques de Chizé, France)

16h15 Predator-prey interactions in space: from micro-scale processes to macro-scale patterns

Robert Holt (University of Florida, Gainesville, USA)

17h The role of spatial structure on the ecology & evolution of a natural enemy system: theory and experimental tests -

Michael Boots (University of Sheffield, UK)

17h45 Host-parasitoid landscape ecology

James T. Cronin (Louisiana State University, USA)

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18h30 Scale disparity in predator-prey models

S. Ballesteros (University of Paris VI, France) & Pablo Inchausti (Centre d'Etudes Biologiques de Chizé, France).

19h The importance of individual discreteness in the context of spatial predator-prey interactions: should we use real-valued densities?

Frédéric Barraquand (Centre d'Etudes Biologiques de Chizé, France)

19h45: Wine and cheese dinner at the lab.

Saturday 27 Sept:

9h Predator prey relationships from a prey viewpoint

Thomas de Cornulier & Vincent Bretagnolle (Centre d'Etudes Biologiques de Chizé, France), Xavier Lambin (University of Aberdeen, UK),

9h45 Social structure, spatial structure, and the dynamics of predators and prey.

John Fryxell, (University of Guelph, Canada)

COFFEE BREAK: 10h30-11h

11h Spatially structured elk/wolf model.

Mark Boyce (University of Alberta, Canada)

11h45 Spatial distributions of prey are a consequence of predators, or the reverse?

Per Fauchald (Norwegian Institute for Nature Research, Norway)

12h30- 13h45 Lunch at the lab.

13h45 Predator movements from behavioural mechanisms to interspecific interactions

Paul Moorcroft (University of Harvard, USA) & Mark Lewis (University of Alberta, Canada)

14h30 Small-scale interactions and movements: how local spatial structure alters predator-prey dynamics

David Murrell (University of Sheffield, UK)

15h15 Statistical issues: when space interacts with time

Andreas Linden, Esa Ranta, Veijo Kaitala (Univ. Helsinki, Finland)

COFFEE BREAK: 16h-16h30

16h30 Cycles and predator prey dynamics in space and time

Michael Fowler, Veijo Kaitala & Esa Ranta (University of Helsinki, Finland)

17h15 Predator-prey interactions and the mechanisms of diversity maintenance in a spatial context.

Peter Chesson and Jessica J. Kuang (University of Arizona, USA)

18h Spatially explicit predator-prey relationships in continuous space: Northern Gannets in the Bay of Biscay.

Grégoire Certain, Joel Chadoeuf, Pascal Monestiez (INRA Avignon, France) & Vincent Bretagnolle (Centre d'Etudes Biologiques de Chizé, France)

18h40 Leaving for dinner in a Restaurant at Marais de Poitevin

Sunday 28 Sept:

9h00 General discussion about the editing process of the book (deadlines, general coherence, others) + any presentation that was postponed the days before.

COFFEE BREAK: 10h30-11h

11h Departure towards Niort Train station