Introductory course on "CAPTURE-RECAPTURE AND CAPTURE–RECOVERY ANALYSIS FOR THE STUDY OF ANIMAL POPULATION"
24-28 November 2014, Mallorca, SPAIN

Places: 20
Price: 400 € (students 350 €)
To register send a message to **g.tavecchia@uib.es**
Dead line for registration : 25 September 2014

Why another Capture-Mark-Recapture course?

The analysis of individual-based data is rapidly expanding in ecological studies. Statisticians and population ecologists are working together adapting the analytical framework to be able to answer increasingly finer ecological questions. We believe there is a need for an introductory course on capture-mark-recapture techniques aimed to those students, researchers and environmental managers willing to approach this constantly evolving field. No previous knowledge on capture-mark-recapture or capture-mark-recovery analyses is necessary.

What is this course?

The course aims to introduce students, researchers and environmental managers to the theory and practical aspects of the analysis of capture-mark-recapture and – recovery data to estimate survival, recruitment and dispersal probabilities. The course is based on theoretical classes as well as practical sessions with real and simulated data.

Monday 24 :
      14h30-15h15 Arrival and presentation
      15h15-17h45 Introduction to the analysis of individual based data (Theory).
Tuesday:25
      9h15-11h15 Capture-recapture analysis: study design and first step
      11h15-11h30 Coffee break
      11h30-13h45 Exercises
      13h45-15h30 Lunch
      15h30- 17h45. Single-site analysis I: Time-dependent survival y external covariates.
Wednesday 26
      9h00-11h15 Single-site analysis II: The effect of group, age and individual covariates.
      11h15-11h30 Coffee break
      11h30-13h45 Exercises
      13h45-15h30 Lunch
      15h30-17h45. Single-site analysis III: The "Robust design" and the estimate of population size.
Thursday 27
      9h15-11h15 Multisite-analysis: Dispersion and recruitment probabilities.
      11h00-11h15 Coffee break
      11h30-13h45 Exercises
      13h45-15h30 Lunch
      15h30-17h45. The analysis of capture-mark-recovery data
Friday 28
      9h15-11h15 The new models.
      11h15-11h30 Coffee break
      11h30-13h45 Exercises / Analysis of Participants' data

Who is organizing this course?

The course is organized by the Population Ecology Group of the IMEDEA (http://imedea.uib-csic.es/bc/ecopob/). Lectures will be given by G. Tavecchia, D. Oro, M. Genovart and A. Sanz, researchers at PEG. Invited researchers sometimes help in teaching as well as practical classes.

When and where?

The course will be held in Esporles (**Mallorca, Spain)** at the IMEDEA (CSIC – UIB, **http://www.imedea.uib.es/**) **from the 24th to the 28th of November 2014.** The closest (and only) airport on Mallorca island is outside the city of Palma. There are several companies offering low-cost flights to Mallorca from nearly every European capital. Esporles is a village at c. 14 km North of Palma city. There are regular buses between Palma and Esporles (c. 35min journey, about 3 € return). You can easily find an accommodation in Palma, stay in one of the two hotels in Esporles or even rent a small flat. We will send you more detailed information if you decide to come. Consider that the course will begin at 14h30 on Monday and will end at 14h30 on Friday so that you might be able to fly during working days.

How much does it cost and how to pay?

Registration fee is 400 € for researchers and environmental managers, 350 € for students. The fee includes the course material and coffee/tea during Coffee breaks. Pre-inscription should be done by sending a message to g.tavecchia@uib.es , before the **25th de September 2014** specifying, *name, surname, institute and a short description of your work.*

Once confirmed, registration fee should be paid by a bank transfer to before the **30th of September 2014** to the following address:

Bank: Sa Nostra
Account Number: 2051-0151-62-1070009518.
Name: University of Balearic Islands
Description*: <Name and surname > -* Capture-Recapture Course

Codes for international transfer:
IBAN: ES17 2051 0151 6210 7000 9518
SWIFT/BIC: CECAESMM051

What do I need?

You need a laptop (important!) with the following freely available software already installed:
1- U_CARE : http://www.cefe.cnrs.fr/BIOM/logiciels.htm
2- MARK http://warnercnr.colostate.edu/~gwhite/mark/mark.htm
3- R: http://cran.r-project.org/ (>Software > Packages).

For more information: ,
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