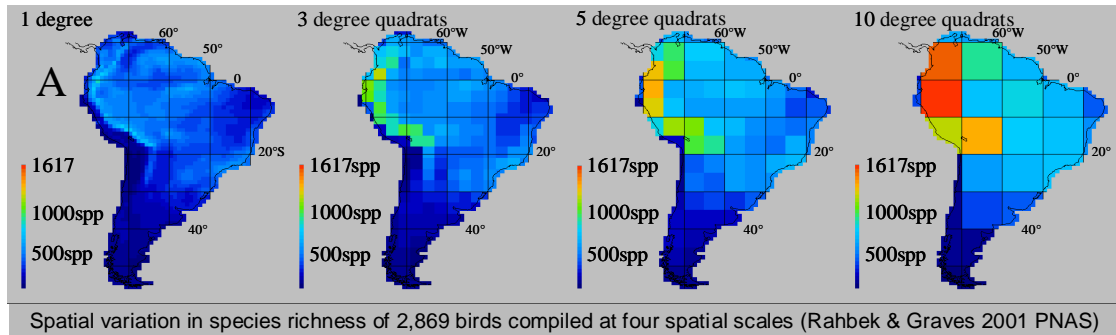


PhD Course  
**Spatial Data Analysis in Macroecology**

13-17 August 2007 - Copenhagen, Denmark



Whereas spatially structured data present an interesting opportunity to investigate ecological and evolutionary mechanisms underlying spatial patterns, spatial structure may also be a source of model misspecification. Despite the importance of this issue, there are still difficulties in dealing with spatial autocorrelation, mainly due to the lack of computational tools.

### SCOPE OF THE COURSE

The purpose of the course is to introduce students to basic concepts in the analysis of autocorrelated data, focusing on spatial and phylogenetic dimensions, and their application in macroecology, biogeography and comparative biology.

The course will combine presentations with discussions of published studies, as well as practical classes using the SAM software (Spatial Analysis in Macroecology – see [www.ecoevol.ufg.br/sam](http://www.ecoevol.ufg.br/sam)). There will be full space for formal and informal interactions between students and teachers, so that students will be the driving force behind the course and not simply spectators

### ORGANISERS

- ❖ **Carsten Rahbek**  
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- ❖ **Tom S. Romdal**  
[tsromdal@bi.ku.dk](mailto:tsromdal@bi.ku.dk)

Center for Macroecology  
Institute of Biology  
Department of Population Biology  
University of Copenhagen, Denmark

For further information on the content of the course please contact one of the course organisers or go to:

[www.macroecology.ku.dk/teaching](http://www.macroecology.ku.dk/teaching)

### COURSE SET-UP

The course is five days. The first, second and third days will include plenary lectures given by the teachers, each followed by open discussion, and group-work consisting of discussion of seminal papers published in international peer-reviewed journals. Students will be given the opportunity to present their own research in two sessions of short talks. The fourth and fifth day will be devoted to a guided tour and practical work in SAM.

### GUEST TEACHERS

- ❖ **Alexandre Diniz-Filho**  
University of Goiás, Brazil
- ❖ **Thiago Rangel**  
University of Connecticut, USA

### REGISTRATION and FEES

There will be a maximum of 15 participants, so register early as space is prioritized following time of registration.

Fees: DKK 2600 (€ 350)

Fees include coffee, tea, lunches, closing dinner and all course materials.

### Credits: 5 ECTS

To register send an e-mail to Bettina Markussen at: [benmarkussen@bi.ku.dk](mailto:benmarkussen@bi.ku.dk)

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**Deadline: 1 May 2007**