

# Modelling Species, Traits and Climate



a workshop sponsored by

Integrative Climate Change Biology Programme  
(iCCB)

in partnership with  
Biodiversität und Klima Forschungszentrum (BIK-F)

3-4 October 2011

Senckenberg Natural History Museum and Research Institute  
Frankfurt am Main, Germany



## **Background**

Traits have become an increasingly important focus in ecological, evolutionary and climatic research. While trait-based approaches to botanical systems are relatively well developed, the study of animal systems lags behind. One exciting thing about trait-based approaches is that traits are a bridge between past and future because they can be studied in the fossil record as well as the modern world. This workshop aims to collaboratively develop modelling that integrates plant, animal and climate interactions based on traits.

The workshop is composed of leading experts who have contributed to trait-based modelling in their fields for the purpose of communicating with each other to discuss practical issues for developing models that integrate traits in animal and plant species, changing climates, evolution, and, importantly, community composition. The venue will provide a stimulating atmosphere for intensive exchange of ideas and knowledge. Participants are asked to prepare a short introduction of their own research (no more than 5 minutes and 1 slide), and to participate in discussions of issues. We hope that the workshop will lead to specific plans for research or publication.

## **Workshop Schedule**

### ***Day 1***

9-9.30 What is iCCB (Mikael, Nils)

9.30-10.30 short round of introductions (we might ask people to bring one ppt slide to summarize their background, and give each 2 min to explain)

10.30-10.45 coffee

10.45-12.00 Targeted presentations: vegetation, climate, proxies.

12.00 -13.30 lunch

13.30-15.00 Traits, populations, communities. Modeling. How can we make these work? What about evolution of traits, and how does that affect this

15.00-15.15 coffee

15.15-16.30 continued discussion

16.30-17.30 agenda for the second day

***18.30 Dinner***

### ***Day 2***

9.00 – 10.30 Climate modelling, vegetation modelling, traits, animals, geographic distributions and trait evolution – based on the agenda.

10.30-10.45 coffee

10.45-12.00 Discussion continued

12- 13.30 lunch

13.30-14.30 Discussion continued

14.30-14.45 Coffee

14.45 – 17.00 Products: future plans. Who is responsible, who is driving. Do we want a follow-up meeting. Do we want to apply for a project etc.

17.00-17.30 closing

## **Workshop Location**

The workshop will be held in the Jügelhaus Building of Bockenheim Campus of Goethe-Universität, directly north of the Senckenberg Museum facing onto Mertonstrasse (see map below). Because October 3 is a national holiday in Germany ([http://en.wikipedia.org/wiki/German\\_Unity\\_Day](http://en.wikipedia.org/wiki/German_Unity_Day)) the building will be locked. Jussi Eronen and/or Arne Micheels will come to the hotel at 8.30 am to pick people up. The university is approximately 5-10 min walking distance from hotel. Local participants with keys can enter the building on their own.

## **Accommodation**

### **Mercure Hotel & Residenz**

Frankfurt Messe

Voltastrasse 29

Frankfurt/Main

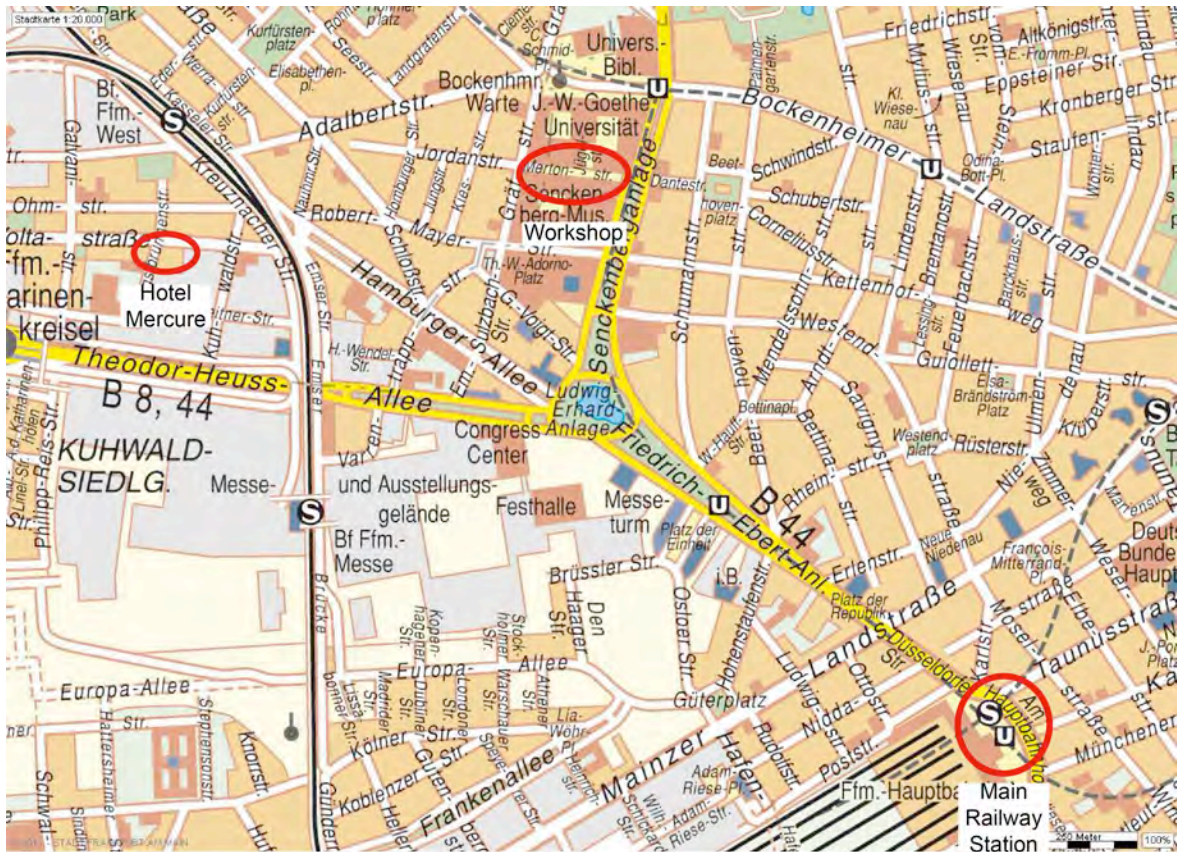
Phone: (+49) 69/79260

E-mail: [h1204@accor.com](mailto:h1204@accor.com)

<http://www.mercure.com/gb/hotel-1204-mercure-hotel-residenz-frankfurt-messe/>

## **Directions to the Mercure**

Use the metro (S-Bahn), lines 8 or 9, from Frankfurt airport to Frankfurt main station (Hauptbahnhof). In front of the main station, you get into the tram (U-Bahn), line 17 (direction Rebstockbad). Leave the tram at the stop “Kuhwaldstrasse” and follow the Voltastrasse to the next corner (traffic lights). To the left you find the hotel.



## Contact Information

### Logistics

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### Travel Reimbursement (for return of attached forms)

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## Workshop Participants

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