

Kommission III Bodenbiologie und Bodenökologie der DBG
in Kooperation mit
Universität Trier und Fachhochschule Osnabrück

Workshop
Experimenting with Earthworms

20.-21. März 2009, Universität Trier, Campus II, Room F59

Practical informations

Venue

The workshop will take place in the university (www.uni-trier.de), in room F59. Travel- and site maps are attached as separate files.

From the city you can go to the university, Campus II (!) by bus (lines 3 and 13) from “Porta Nigra” to exit “Kohlenstraße”. From there it is a short walk to Campus II.

Payment

Please pay the workshop fee 25 € directly at the workshop. You will get a receipt.

Travel information

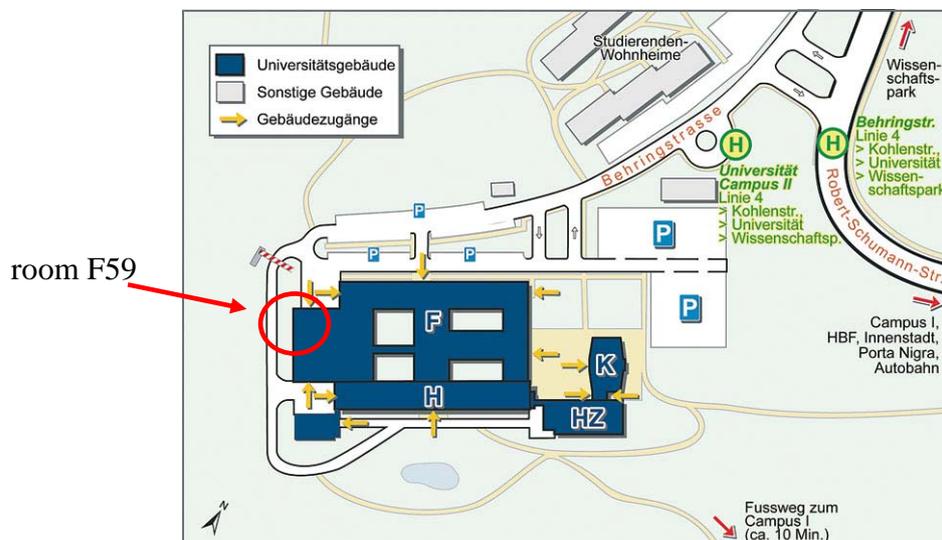
You can come to Trier by car via motorway A1 or A602 (from Mosellanddreieck), by railway via Koblenz or Saarbrücken, and by plane (airports Hahn or Luxembourg). We wish you a safe and comfortable journey.

Accommodation

A small contingent of rooms (single bed) has been reserved by the name 'Emmerling' in “Hotel Aulmann” in the city center. The price for one night is 58 € including breakfast (<http://www.hotel-aulmann.de>). You find more informations about the city of Trier at <http://www.trier.de>; there you also find other hotels and the youth hostel.

Evening program

On Friday evening there will be the opportunity to have a wine-tasting in the historical wine-cellar of the Episcopal domains of Trier. The price is 35 € including a three course menu. This will be something special – interesting and entertaining. **Please indicate by mail to emmerling@uni-trier.de not later than March 14 if you are going to join the wine tasting!**



Christoph Emmerling emmerling@unit-trier.de

Heinz-Christian Fründ hc.fruend@fh-osnabrueck.de

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Workshop
Experimentieren mit Regenwürmern
Experimenting with Earthworms

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Fr. 20.03.2009

08:30 Registration

08:45 Welcome and introduction of participants

I Laboratory experiments with earthworms

9:00-9:45 Yvan Capowiez, INRA Avignon: Investigation and analysis of earthworm burrowing activity in the laboratory

09:45-10:15 Martin Potthoff, Universität Göttingen: Comparing lifeforms of earthworms in microcosms

10:15-10:45 Coffee break

10:45-11:15 Gregor Ernst, Universität Trier: Impact of ecologically different earthworm species on soil water characteristics

11:15-11:45 Nikita Khomyakov, Universität Bayreuth: Earthworms accelerate cellulose and organic matter decomposition in soil

11:45-12:15 Stefan Schrader, vTI Braunschweig: Turnover and transformation activity of earthworms in lab studies

12:15-12:45 H.C. Fründ, Fachhochschule Osnabrück: Developing a soil quality test with 2D terraria and *A.caliginosa*

12:45-14:00 Lunch break

14:00-15:00 Poster presentation and practical demonstrations

- Daniel Felten, Universität Trier (Poster): Earthworm burrowing activity affected by mono- and multi-species composition
- Demonstration 2D aquaria (Wallrabenstein, Emmerling)
- Demonstration analysis program 2D aquaria (Wallrabenstein)
- Demonstration soil columns Trier (Ernst)
- Demonstration pressure measurement (Stefan Schrader)

II Earthworms in field experiments

15:00-15:45 Kevin Butt, UCLA Preston UK: Addition of earthworms to soils in soil ecological field experiments

15:45-16:15 Nico Eisenhauer, Technische Universität Darmstadt: Experimenting with earthworms in the field: The method and impacts of earthworms on the diversity-ecosystem functioning relationship

16:15-16:30 Coffee break

16:30-17:15 Yvan Capowiez, INRA Avignon: Long term experiment on recolonization of compacted soil by earthworms

17:15-17:45 Stefan Schrader, vTI Braunschweig: Functional importance of earthworm burrowing in field depending on soil tillage

20:00-... Visit of Trier wine cellar and get together

Sa. 21.03.2009

II Earthworms in field experiments (continued)

08:45-10:00 Poster presentations and practical demonstrations

- Steffen Schobel, vTI Eberswalde (Poster) Relevance of earthworm tubes for runoff processes
- Gregor Ernst (Poster) Experience in earthworm studies under field condition
- Martin Schädler, Universität Marburg (Poster) Influence of the structure of decomposer fauna on an artificial plant community along a fertility gradient
- Suska Sahn, Universität Tübingen (Poster) *Lumbricus terrestris* and its castrating parasite in two German farming types
- Demonstration tagging of earthworms (Kevin Butt)

10:00-10:15 Coffee break

III Rearing and acquisition of earthworms for experimentation

10:15-11:00 Kevin Butt: Collection and rearing of earthworms.

11:00-11:30 Suska Sahn, Universität Tübingen: Rearing systems and behavioral observation for *Lumbricus terrestris* (with practical demonstration)

11:30-12:00 Moderated joint discussion about problems and solutions getting earthworms for experimentation

IV Conclusions

12:00-13:00 Concluding discussion and prospects for future activities