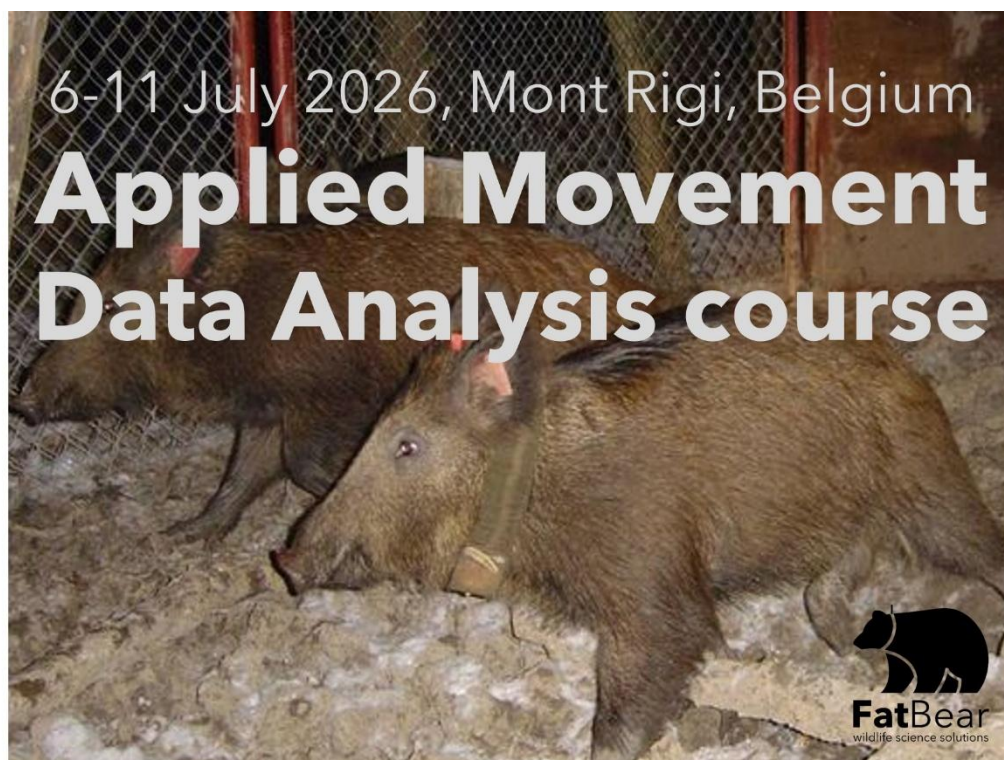




FatBear wildlife science solutions is happy to announce a 6-day course on

Applied Movement Data Analysis in R

Monday 6-Saturday 11 July 2026

at the Station Scientifique des Hautes Fagnes, Université de Liège (Mont Rigi), Belgium

Costs	EUR 750 per person Including course fees, morning and afternoon tea/coffee
Accommodation	There is the possibility to be accommodated on site at EUR 15.- (own sleeping bag) or EUR 20.- (station's duvet) a night (shared dormitory rooms of up to 3 people; shared showers and toilets: take your own towel and toiletries), or at hotels nearby: https://www.google.com/maps/search/Hotels/@50.5285693,5.9590417,29727m/data=!3m1!1e3!4m5!2m4!5m3!5m2!1s2026-05-03!2i6?entry=tту&g_ep=EgoyMDI2MDMwMS4xIKXMDSoASAFQAw%3D%3D
Catering	Self-catering (kitchen available at the research station)
Lead instructor	Dr Julien Fattebert FatBear wildlife science solutions http://www.fatbear.bio Google Scholar / Research Gate
Course coordinator	Dr Laurane Winandy Director Station Scientifique des Hautes Fagnes, Université de Liège

	Laurane.Winandy@uliege.be
Registration	https://fatbearbio.weebly.com/contact.html Please indicate the billing address for invoice Confirmation and invoice after March 20 2026, via email Full fee payment until 15 April 2026
Confirmation	10 attendees min. 16 attendees max. First come, first served basis
Cancellation	100% money back (minus handling fees) up to 1 month (30 days) before course starts. 50% up to 2 weeks (29-15 days) before course starts. No reimbursement for cancellation within 14 days of course start.

Course overview

This course targets postgraduate students (BSc Hons, MSc, PhD) and practitioners (reserve ecologists, practitioners in wildlife conservation and ecological research) in need of professional development. The course will provide participants with comprehensive skills in analyzing animal movement data using R, with a focus on practical applications to real-world conservation and ecological issues.

The course accommodates participants with various levels of R proficiency. By the end of the course, participants will be at ease in using R for animal movement analysis, from data cleaning and home-range estimations to modeling habitat selection and landscape connectivity. This skill set is highly valuable for wildlife ecologists and conservationists aiming to make data-driven decisions to conserve wildlife and their habitat. By building capacity in movement tracking data analysis, the course will equip researchers and conservationists with the analytical skills required to better understand wildlife behavior and ecological requirements, conserve or restore landscape connectivity, mitigate human-wildlife conflicts, and promote coexistence.

Key learning outcomes

- Data preparation and cleaning.
- Home-range estimation and overlap analysis.
- Movement trajectory analysis and behavior modeling.
- Integrating remote sensing data with animal movement.
- RSFs and SSFs: understanding and modelling habitat selection at various scales.
- Fine-tuning models by optimizing pseudoabsence ratios and predictor neighborhood scales.
- Mapping habitat suitability and validating models.
- Resistance surface modeling for landscape connectivity.
- Least-cost path, factorial least-cost, and least-cost corridors analyses.
- Circuit theory and its application to animal movement and landscape connectivity.

- Simulations of animal movement in the integrated step-selection framework, and their application landscape connectivity.

Duration and Format

The 6-day course combines theoretical lectures with hands-on R tutorials and practical sessions. Mornings will be dedicated to theory and R code walkthroughs, while the afternoons will focus on practical exercises, where participants will work on their own datasets or data provided by the instructor. These sessions are designed to enhance data analysis skills by applying theoretical knowledge directly to real-world data, under the direct guidance and assistance of the instructor present.

Travel (including health and cancellation insurances), accommodation booking and costs, and food catering are the responsibility of each participant.

Access to Mont Rigi

https://www.sshf.uliege.be/cms/c_4346415/fr/sshf-localisation

Belgium public transports timetable

<https://www.rome2rio.com/map/Brussels-Airport-BRU/Mont-Rigi?route=Train&departureDate=2026-07-05>

How to register

Go to <https://fatbearbio.weebly.com/contact.html>

Enter your first name, name, email address and the billing address in the message box and click send ('soumettre'). I'll be in touch once the course is confirmed (min. 10 pre-registrations).

See you soon at Mont-Rigi!

Julien