



## SUMMER SCHOOL

# Predictive habitat distribution models: tools for building projections of global change impact on biodiversity

7-10 September 2009,  
at the University of Lausanne, Switzerland

Organizers:

A. Guisan, W. Thuiller & N.E. Zimmermann

Guest lecturers:

Thomas Edwards, Stefan Dullinger, Martin Sykes

### Program

Morning: lectures

Afternoon: practicals

#### Monday 7

Lead: Antoine Guisan

Lectures: Theory, concepts and principles behind predictive modelling

Practicals: from envelopes to advanced regressions: refining the niche

#### Tuesday 8

Lead: Niklaus Zimmermann

Lectures: Data, sampling designs and spatial scales

Practicals: GIS and R data handling; sampling maps and transfer to R

#### Wednesday 9

Lead: Wilfried Thuiller

Lectures: Modelling approaches and model calibration

Practicals: Fitting models with BIOMOD

#### Thursday 10

Lead: Antoine Guisan

Lectures: Error and uncertainty assessment (model evaluation)

Practicals: Testing models in and out of BIOMOD

Fees: CHF100 (€75), including registration, four lunches and one dinner

**Participants will be limited to 25. Applications (incl. CV and motivation) should be sent to [antoine.guisan@unil.ch](mailto:antoine.guisan@unil.ch) no later than 15 May 2009**