

## Reid Lab MSc Project 1: Biodiversity surveys and amphibian habitat use in the Domaine d'Haugimont



Domaine d'Haugimont



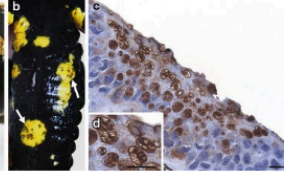
*Lissotriton/Ichthyosaura* spp.



*Alytes obstetricans*



*Salamandra salamandra*



*Batrachochytridium* spp.  
van Rooij et al., 2015

The University manages a reserve southeast of Namur that encompasses an array of pastures, orchards, forests, streams, and pond habitats. This area represents a potential refuge for sensitive species within the larger, more developed Walloon landscape. Past biodiversity surveys of the Domaine have identified multiple reptile and amphibian species inhabiting the property. This project will extend these surveys to a more systematic assessment of the diversity of the property, focusing on environmental correlates of occupancy for potential breeding habitat for amphibian species. The project could also be extended to incorporate environmental DNA and the microbiome of resident amphibians to determine presence and prevalence of fungal pathogens in the local amphibian community.