

Master Student Project

Project title: How do population ranges emerge from individual home range patterns and space use in large mammals

Supervisors: Dr. Navinder J Singh (navinder.singh@slu.se), Dr. Joris P Cromsigt and occasional advice from Prof. Göran Ericsson.

Description: Movements of individual animals are often restricted to a specific area, defined as a home range. Home range size can vary depending upon an individual's life history and reproductive status along with other multiple factors. What determines an animal's home range has been extensively studied at multiple scales, however, little is known about how do population level range patterns emerge from individual level patterns. Using the Scandinavian moose as a case study and the large movement database housed at SLU, the project aims to estimate the home range behaviour of individuals and populations across a latitudinal gradient of environmental conditions.

Requirements: motivated person who is not scared of large datasets and numbers and keen on spatial ecology and GIS. The project will be a desk based study with keen focus on quantitative analyses. There will be no field work. The study will be strongly aimed towards a peer reviewed publication for an international journal, hence strong writing skills are desired.

To apply: Please send a letter of interest explaining your suitability for the project.