University of
St Andrews

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PGDip / MSc
Statistical Ecology

The University of St Andrews is offering a new taught postgraduate course leading to a **Postgraduate Diploma (PGDip)** or **Master of Science (MSc)** in **Statistical Ecology**.

In this course, you will:
- study statistical ecology at an advanced, research-led level.
- learn the modern statistical methods currently used by professionals in ecology.
- learn how to formulate problems, conduct appropriate analyses and effectively communicate results to a variety of audiences.
- have the opportunity within the MSc for placement opportunities with partner organisations within the UK and abroad.

Programme duration:
One year full time or two years part time (MSc)
Ten months full time (PGDip)

Start date: September
End date: June (PGDip)
September (MSc)

Course content
The course is taught by staff from the world-leading Centre for Research into Ecological and Environmental Modelling (CREEM). It gives a sound understanding of the foundations of modern methods in statistical ecology, the skills to use these methods effectively and the experience of applying them to real-world problems, under the supervision of experts.

There are two semesters of taught courses followed by a research dissertation undertaken over the summer months for those on the MSc programme. CREEM collaborates with researchers across the globe and the dissertation includes an optional placement with collaborators either in the UK or abroad. The dissertation has an innovative and flexible format which can include producing a podcast, webpage, poster, field report, training materials, or a short film. There is a range of modules on the programme with varying methods of delivery and assessment.

Who is it for?
The programme is designed for biological, ecological and environmental science graduates, but is also appropriate for graduates from mathematical sciences wanting to develop specialist skills in this area.

Funding
There are many potential scholarships or support schemes available to postgraduates.
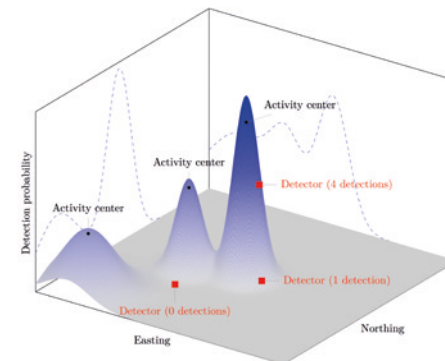
Where it will take you
The PGDip/MSc in Statistical Ecology qualifies you to pursue a career as a scientist in government environment agencies, industry, consultancies and conservation organisations. Graduates can also work as wildlife managers, using their analytical skills to better inform management decisions.

It also enables you to continue your education by enrolling for a PhD within statistics, biology, wildlife, ecology or conservation departments worldwide.

Further details
Application details, funding opportunities and much more can be found online:
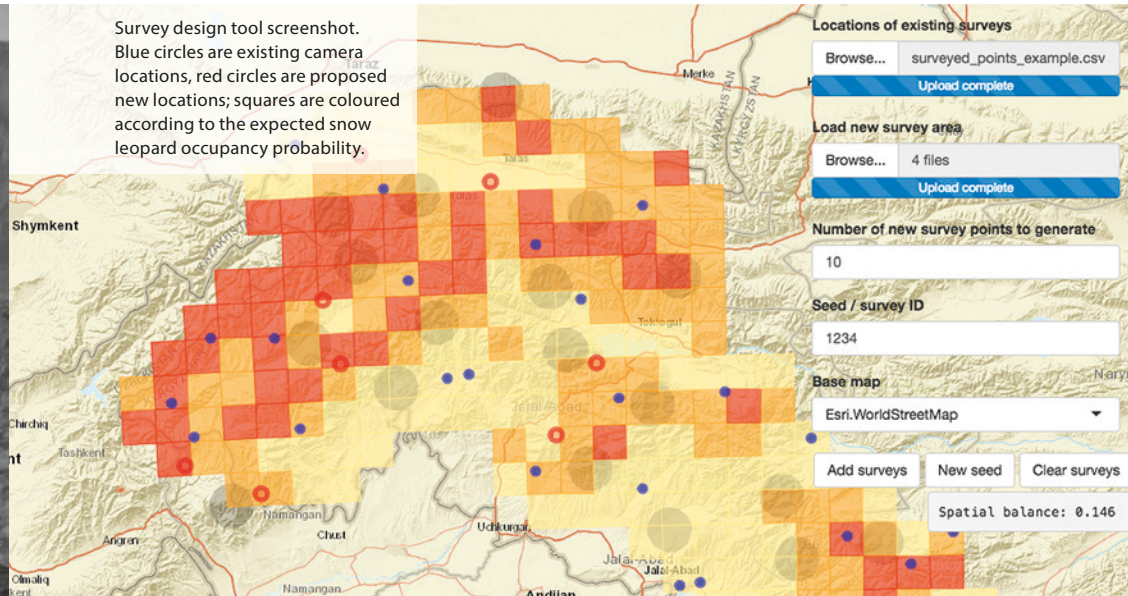**www.st-andrews.ac.uk/subjects/statistics/statistical-ecology-msc**

Estimated snow leopard activity centre distributions and detection probabilities in the vicinity of 3 detectors (camera traps).

A snow leopard investigating a camera trap.

SLT/NCF/HFPD

Survey design tool screenshot. Blue circles are existing camera locations, red circles are proposed new locations; squares are coloured according to the expected snow leopard occupancy probability.

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Further information can be found here:

www.st-andrews.ac.uk/subjects/
statistics/statistical-ecology-msc

CREEM
Centre for Research into Ecological
and Environmental Modelling