

JOB DESCRIPTION

Job Title:	Ecological Statistician (Maternity Cover)
Responsible To:	Chief Scientist
Location:	Home based, with the requirement for occasional travel across the UK
Salary:	Range £33,653 to £38,166 (Grade D) depending upon experience plus 8% employer pension contribution
Hours:	Full time, 37 hours per week
Contract:	1 year fixed term contract (maternity cover)

Job Purpose

- Lead on provision of statistical support and analysis within Butterfly Conservation (BC).
- Develop improved analytical methods, systems and reporting tools for Butterfly Conservation science.
- Help develop and deliver Butterfly Conservation's contract/external research work.
- Produce high quality research outputs, including peer-reviewed publications.
- Promote Butterfly Conservation's research and monitoring work.

Main Responsibilities

- Lead on trend and other statistical analysis of Lepidoptera data for Butterfly Conservation, including annual and periodic updates of BC's datasets required for reporting.
- Undertake novel analyses of Lepidoptera datasets in relation to the priorities outlined in Butterfly Conservation's strategy and in discussion with the research team.
- Support internal science and conservation staff, giving advice and undertaking analysis of project data.
- Undertake a review of UK Butterfly Monitoring Scheme (UKBMS) species trends in terms of a power analysis, development of regional and habitat trends to improve gap analysis and possibly update and extend urban trends.
- Help secure and deliver external research work, managing project budgets where appropriate in discussion with the line manager.
- Supervise and support student projects utilising Lepidoptera data.

- Produce peer-reviewed publications, technical reports and popular articles arising from analysis work undertaken, aiming to lead on at least one peer-reviewed publication.
- Contribute to press releases and other promotional materials.
- Attend and present at conferences and meetings in relation to Lepidoptera monitoring and research and ecological statistics, as and when required and in discussion with their line manager.
- Develop role within the conservation science community, as a technical expert in statistical analysis of biological datasets, for example by peer-reviewing scientific papers, joining relevant steering groups and through publications

General

- Promote BC's values (Excellence, Passionate, Inspiring, Collaborative) ensuring they are adopted in all aspects of the role.
- Undertake any other reasonable duties as required and commensurate with the grade of post and in agreement with the line manager.
- Undertake all duties and responsibilities in compliance with the rules and regulations encompassing equal opportunities to help foster a diverse workforce.
- Work in accordance with BC's policies, procedures, and codes of conduct.
- Actively participate in on-going professional development activities.



PERSON PROFILE

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Technical/Specialist Skills	Essential	Desirable	Method of assessment
Educated to PhD level in a statistical science, or equivalent quantitative experience	✓		A
Demonstrate advanced skills in statistics, including use of a relevant programming language e.g. R for manipulation and analysis of data	✓		A/I
Experience of analysing biodiversity data		✓	I
Experience in manipulating and analysing large datasets	✓		A/I
Experience with, or capacity to learn, use of GIS.		✓	I
Experience of managing code for reproducible science (e.g. RMarkdown, GitHub etc).	✓		A/I
Very good written and oral communication skills, evidenced by track record of publications, technical reports, and talks to scientific audiences.	✓		A/I
Able to communicate effectively with scientific peers and colleagues from different disciplines.	✓		A/I
Provide innovative ideas that are of benefit to BC's area of work.	✓		I
Knowledge of UK moths and butterflies		✓	I
Experience and knowledge of the UK biodiversity recording sector		✓	I
Budget Responsibilities			
Experience of managing project budgets		✓	I
Line Management/Contractor Responsibility			
Experience of project management/supervision		✓	I
Working with Volunteers/Managing External Partners and others			
Experience of working with volunteers, environmental organisations, contractors and the general public		✓	I
Proven ability to communicate complex/technical solutions in simple language and engage with a wide range of individuals ranging from volunteers to landowners, site managers and officers of partner organisations		✓	I
Personal Attributes			
Empathy with aims and objectives of Butterfly Conservation	✓		I
Analytical and methodical, with a high degree of accuracy	✓		I
Extremely well organised and self-motivated; able to plan and undertake work on your own (or with limited direct supervision)	✓		I
Able to prioritise a diverse workload, meet tight deadlines and use own initiative	✓		I



Butterfly Conservation

Saving butterflies, moths and our environment

Personal Attributes			
Flexible: able to rapidly assimilate information and adapt to a changing environment	✓		I
Able to work effectively as a member of a team and foster positive team dynamics	✓		I
Pragmatic, innovative, enthusiastic and able to motivate others	✓		I
Able to manage potential conflicts by dealing with people in a calm and professional manner	✓		I
Willing to work some weekends and evenings and away from home on occasions	✓		I
Commitment to nature conservation		✓	I

Key:

A = Application Form

I = Interview