

## Candidate Information

<b>Position:</b>	Research Fellow in Discrete Choice Experiments
<b>School/Department:</b>	School of Biological Sciences
<b>Reference:</b>	24/112253
<b>Closing Date:</b>	Monday 11 November 2024
<b>Salary:</b>	£39,922 to £43,605 per annum
<b>Anticipated Interview Date:</b>	Friday 29 November 2024
<b>Duration:</b>	18 months

### JOB PURPOSE:

The primary purpose of this role is to conduct independent research and contribute to the planning and execution of a research projects focused on using discrete choice experiments within the fields of agricultural and environmental economics. This research will have a specific focus on innovative practices aimed at reducing greenhouse gas emissions in livestock systems.

We are seeking a motivated postdoctoral economist to join the Gibson Institute for Land, Food, and Environment at Queen's University Belfast. The successful candidate will play a key role in the planning and delivery of research activities focused on using discrete choice experiments, with applications in agricultural and environmental economics, as part of the Project Re Livestock - Evaluate and mobilize the adoption of innovative practices to reduce GHG emissions and increase the capacity of livestock systems (re-livestock.eu).

The ideal candidate will have a demonstrated track record in applied econometrics and be familiar with designing experimental designs for discrete choice experiments, as well as survey design and administration. The candidate is expected to be proficient in data analysis using advanced econometric modelling techniques for discrete choice experiments, including mixed logit models and hybrid choice models.

The postdoctoral researcher will be responsible for independent research, planning, day-to-day operations, collaborations, and outreach activities.

The position is available immediately.

### MAJOR DUTIES:

1. **Research Development:** Develop, plan, and deliver research focused on discrete choice experiments applied to agricultural, health, and environmental economics as part of the Re-Livestock team under the supervision of Professor Longo and Dr. Bozzola.
2. **Questionnaire Design:** Design questionnaires for discrete choice experiments, including the experimental design, to survey farmers in selected countries as part of the Re-Livestock project.
3. **Survey Administration:** Administer discrete choice experiment surveys in selected countries and supervise the data collection process.
4. **Data Analysis:** Analyze data collected from discrete choice experiments as part of the Re-Livestock project using econometric modeling techniques, including mixed logit models and hybrid choice models.
5. **Progress Reporting:** Present regular progress reports on research to members of the research group and external audiences to disseminate and publicize research findings.
6. **Publication Preparation:** Prepare, in consultation with supervisors, materials for publication in scientific journals and for presentations at national and international conferences, workshops, and project meetings.

7. **Administrative Support:** Carry out routine administrative tasks associated with the research projects and group to ensure projects are completed on time and within budget, facilitating efficient group functioning. This includes organizing project/group meetings and documentation, financial control, procurement, and risk assessment of research activities.
8. **Continuous Learning:** Read academic papers, journals, and textbooks to stay abreast of developments in the field and related disciplines.
9. **Funding Assistance:** Assist staff at the Gibson Institute for Land, Food, and Environment in preparing funding proposals and applications to external bodies.
10. **Supervision and Teaching:** Occasionally supervise undergraduate, MSc, and PhD students, as well as visiting students, while demonstrating or lecturing within the post holder's area of expertise under the guidance of staff at the Gibson Institute for Land, Food, and Environment.

**ESSENTIAL CRITERIA:**

1. Degree in Economics, Environmental Economics, Agricultural Economics, or related subject area.
2. Have or about to obtain a PhD\* in Economics, Environmental Economics, Agricultural Economics or related sciences (\*must be obtained within 3 months of commencement of employment).
3. Substantial relevant research experience in the areas of discrete choice experiments, including, experimental design, survey design and administration, data collection and analysis.
4. Experience in the preparation of scientific publications / reports commensurate with research activity and career stage.
5. Ability to contribute to broader management and administrative processes.
6. Methodical approach to project management and research ethics.
7. Sufficient breadth and depth of specialist knowledge in the areas of non-market valuation and discrete choice experiments.
8. Expertise in using econometrics software such as NLOGIT, Biogeme, R, STATA, Ngene for discrete choice experiments experimental design and data analysis.
9. Competent in giving effective and informative oral and poster presentations.
10. Ability to communicate complex information clearly.
11. Ability to build contacts and participate in internal and external networks.
12. Strong ability to work from own initiative and to work independently within the context of a research team.
13. Commitment to high quality research.
14. Demonstrable intellectual ability.
15. Ability to assess and organise resources.
16. Must be willing to travel to national and international meetings and collaborative organisations as required on an ad-hoc basis. This may require the candidate to work irregular hours including evening, weekend and other out-of-hours work.

**DESIRABLE CRITERIA:**

1. Published scientific articles in peer-reviewed journals such as Journal of Environmental Economics and Management, American Journal of Agricultural Economics, or Environmental and Resource Economics.
2. Presentation of research at international conferences, such as the European Association of Environmental and Resource Economists.

**ADDITIONAL INFORMATION:**

Informal Enquiries to Dr. Katerina Theodoridou [k.theodoridou@qub.ac.uk](mailto:k.theodoridou@qub.ac.uk)