



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Research Fellow in Assessing the Carbon Impacts of e-bikes and e-scooters, Faculty of Environment



Salary: Grade 7 (£39,105 – £46,485 p.a. depending on experience)

Reporting to: Ian Philips

Reference: ENVTR1212

Fixed term for 12 months to complete specific time limited work

Location: University of Leeds (with scope for hybrid working)

We are open to discussing flexible working arrangements

Assessing the Carbon Impacts of e-bikes and e-scooters, Institute for Transport Studies, Faculty of Environment

Overview of the Role

A quantitative transport data analyst is required to support the carbon impact analysis work package of the HELMET research project (HEaLth iMPact of E-bikes and e-scooTers). We will calculate and report the CO₂ savings observed amongst survey respondents who use shared e-bikes and e-scooters in a number of UK cities and extrapolate these savings across the population of these cities.

Main duties and responsibilities

- Contributing to development of methodology protocol;
- Analysis of survey data;
- Gathering data on published estimates of emissions from various vehicle and e-micromobility types;
- Processing data provided by e-bike and e-scooter share scheme providers;
- Calculating estimates of transport carbon changes resulting from use of the studied e-micromobility schemes;
- Depending upon data availability make use of Life Cycle Assessment LCA software and methods;
- Generating and pursuing independent and original research ideas in the appropriate subject area;
- Developing research objectives and proposals and contributing to setting the direction of the research project and team including preparing proposals for funding in collaboration with colleagues;
- Evaluating methods and techniques used and results obtained by other researchers and to relate such evaluations appropriately to your own work;
- Preparing papers for publication in leading international journals and disseminating research results through other recognised forms of output;
- Working both independently and also as part of a larger team of researchers, engaging in knowledge-transfer activities where appropriate and feasible;



- Maintaining your own continuing professional development and acting as a mentor to less experienced colleagues as appropriate;
- Contributing to the training of both undergraduate and postgraduate students, including assisting with the supervision of projects in areas relevant to the project.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

Qualifications and skills

Essential

- A PhD or near completion - i.e. the initial thesis needs to have been handed in at the point of application in Transport Studies (particularly topics relating to active travel, e-micromobility, travel demand reduction), decarbonisation or a discipline demonstrating skills in quantitative social science and applied spatial analysis from another domain of study;
- Experience of conducting quantitative research, managing and processing data;
- Understanding of and experience of estimating carbon savings and or conducting Life Cycle Assessment;
- Ability to use the R programming language;
- Good time management and planning skills, with the ability to meet tight deadlines, manage competing demands and work effectively under pressure without close support;
- Excellent written and verbal communication skills including presentation skills;
- A proven ability to work well both individually and in a team;
- A strong commitment to your own continuous professional development.

Desirable

- Ability to use other programming languages and software.

Additional information

Please note: If you are not a British or Irish citizen, from 1 January 2021 you will require permission to work in the UK. This will normally be in the form of a visa but, if you are



an EEA/Swiss citizen and resident in the UK before 31 December 2020, this may be your passport or status under the EU Settlement Scheme.

Please note that this post may be suitable for sponsorship under the Skilled Worker visa route but first-time applicants might need to qualify for salary concessions. For more information please visit: www.gov.uk/skilled-worker-visa

For research and academic posts, we will consider eligibility under the Global Talent visa. For more information please visit: <https://www.gov.uk/global-talent>

Find out more about the [Faculty of Environment](#)

Find out more about the [Institute for Transport Studies](#)

Find out more about our [Research and associated facilities](#).

Find out more about [Equality in the Faculty](#).

Our University

As an international research-intensive university, we welcome students and staff from all walks of life and from across the world. We foster an inclusive environment where all can flourish and prosper, and we are proud of our strong commitment to student education. Within the Faculty of Environment we are dedicated to diversifying our community and we welcome the unique contributions that individuals can bring, and particularly encourage applications from, but not limited to Black, Asian, people who belong to a minority ethnic community; people who identify as LGBT+; and disabled people. Candidates will always be selected based on merit and ability.

The Faculty of Environment has received a prestigious Athena SWAN silver award from [Advance HE](#), the national body that promotes equality in the higher education sector. This award represents the combined efforts of all schools in the Faculty and shows the positive actions we have taken to ensure that our policies, processes and ethos all promote an equal and inclusive environment for work and study.

Working at Leeds

We are a campus based community and regular interaction with campus is an expectation of all roles in line with academic and service needs and the requirements of the role. We are also open to discussing flexible working arrangements. To find out



more about the benefits of working at the University and what it is like to live and work in the Leeds area visit our [Working at Leeds](#) information page.

Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at disclosure@leeds.ac.uk.

Criminal Record Information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.

