



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

**Research Fellow and Network Coordinator in Decarbonising Transport
Faculty of Environment**



Salary: Grade 7 (£33,797 – £40,322 p.a.)

Reference: ENVTR1107

Closing date: 26 November 2019

Fixed-term for 28 Months due to external funding

We will consider job share / flexible working arrangements

Research Fellow in Decarbonising Transport Institute for Transport Studies, Faculty of Environment

Would you like to be part of an exciting networking project to deliver a rapid step-change in the decarbonisation of transport? Do you have an established background in the environmental impacts of transport at different spatial scales? Can you effectively communicate to stakeholders? Are you passionate about making a difference to climate change?

This role is part of an exciting new three year EPSRC funded research network, DecarboN8, working with [Professor Greg Marsden](#) and colleagues from across the [N8 Research Partnership](#). It also provides support to a wider EPSRC decarbonising transport initiative.

The DecarboN8 network research will focus on how to integrate scientific advances across the boundaries that matter to the deployment and uptake of innovations to achieve more rapid, effective and socially acceptable carbon reduction pathways. You will work with Transport for the North and other government bodies across the North to develop an integrated repository of carbon related data sources from across the transport and energy sector.

You will be responsible for aggregating data sets to enable interrogation of the carbon data across different spatial scales and different transport and energy networks. You will be analysing the data at a range of spatial scales to help discern the right scale for different decarbonisation policies to operate at. You will be expected to write up elements of the work for publication in good academic journals. As well as being academically excellent and publishable, your work will inform policy briefings, research funding calls and innovation projects with DecarboN8 collaborators.

You will also work to support Professor Marsden's role as EPSRC transport decarbonisation champion. Here, the work will focus on bringing together findings from across the [five funded transportation decarbonisation networks](#). You will also have responsibility for designing effective engagement events to communicate these findings to policy and industry stakeholders.

With a PhD or near completion - i.e. the initial thesis needs to have been handed in at the point of application, which is related to either transport, climate change, spatial



analysis or a combination of these subjects, you will need to think creatively about how to fuse data sets from energy and transport to explore variations in carbon use through a range of different lenses. These might include individual, household, community, business or network scales. The application areas will cover fuels, vehicle to grid integration and freight as well as private travel.

What does the role entail?

As a Research Fellow, your main duties will include:

- Aggregating carbon related data sources from across the North;
- Integrating data sets to understand transport carbon emissions across the North in a wider national context;
- Generating and pursuing independent and original research around place-based decarbonisation;
- Preparing papers for publication in leading international journals and disseminating research results through other recognised forms of output;
- Engaging directly with media and policymakers to communicate DecarboN8 research findings and promote uptake and implementation;
- Developing and overseeing adherence to a data management plan for the research data and drafting guidance for other potential users;
- Working both independently and also as part of a larger team of researchers, engaging in knowledge-transfer activities across the DecarboN8 network;
- Helping to develop and maintain effective working relationships with key funders (UK Research Councils, charities, UK government agencies and other public funding providers);
- 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.

In support of the five decarbonising transportation networks you will be responsible for:

- Planning and coordinating the delivery of effective engagement events;
- Synthesising research outputs from a range of projects into easy to understand policy and industry summaries;



- Contributing to a wider communications and media strategy to improve carbon literacy across policy makers, practitioners and the wider society.

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.

What will you bring to the role?

As a Research Fellow you will have:

- A PhD or near completion - i.e. the initial thesis needs to have been handed in at the point of application, which is related to either transport, climate change, spatial analysis or a combination of these subjects;
- A strong background in quantitative analysis and data set manipulation;
- A passion to reduce climate change emissions from transport;
- Excellent written and verbal communication skills including presentation skills in a workshop environment;
- An ability to synthesise material for a range of practitioner and lay audiences as well as academics;
- An emerging track record of peer-reviewed publications in high impact factor journals;
- A proven ability to work well both individually and in a team;
- The ability to interact and communicate effectively and sensitively with individuals from a range of backgrounds and at all levels;
- Experience of building and maintaining relationships with internal and external stakeholders and effectively influencing and negotiating with others to achieve desired outcomes;
- Good time management and planning skills, with the ability to meet tight deadlines, manage competing demands and work effectively under pressure without close support;
- Evidence of development and/or adherence to data management plans;
- A willingness and ability to travel across the UK to help run network events;
- A strong commitment to your own continuous professional development.

You may also have:

- Experience of pursuing external funding to support research;



- Experience of working across the transport and energy sector boundaries;
- The ability to use GIS;
- Experience of developing databases.

How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23.59** (UK time) on the advertised closing date.

Contact information

To explore the post further or for any queries you may have, please contact:

[Professor Greg Marsden, Director of DecarboN8](#)

Tel: +44 (0)113 343 5358

Email: G.R.Marsden@its.leeds.ac.uk

Additional information

Find out more about the [DecarboN8](#) project.

Find out more about the [Institute](#).

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

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

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

A diverse workforce

The Faculty of Environment has received a prestigious Athena SWAN bronze 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

You can find out more about our generous benefits package and more about what it is like to work at the University and live in the Leeds area in our [Working at Leeds](#) information.

Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found in our [Accessibility](#) information 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](#).

