Masters Dissertation Scheme Project form

Company / Organisation Name:	CACI
Team / Department:	Innovation
Address:	CACI House, Kensington Village, Avonmore Road, W14 8TS

Provisional title for project:

Quantifying the carbon impact of the household

Short description of the problem that would be addressed by the project:

The approach of measuring carbon impact of products is well established commercially, with assessments of supply chain, manufacturing process and embedded carbon common. What is less understood is the carbon impact of each household and whether it is possible to identify the likely carbon impact of consumers.

With this information local service providers could objectively understand where opportunity exists to invest in green initiatives and prioritise high carbon footprint households, including potentially understanding where the carbon impact is generated – for example, behavioural, physical household, consumption, travel or impact.

Short description of the data sources that would be used in the project, and how they would be used

CACI hold a wealth of public and proprietary household and low geography data, including but not limited to EPC data, consumer ESG sentiment, behaviour, income, demographic, household structure, travel patterns, car ownership and more. We would work collaboratively with the student to build a framework to create a postcode (or household) level segmentation of the likely Carbon Footprint of UK households.

Would any work by the student need to be carried out on site at the Company with the exception of supervisory meetings?

Either in office or via digital access

Any issues of data confidentiality and IPR that would need to be resolved

Significant provision of CACI IPR in the underlying datasets that would need to be retained

Essential skills

Ability to comprehend a significant range of spatial, consumer, sentiment data and think laterally

Desirable skills

Segmentation and Coding

Preferred degree programmes (if any)

MA Geography

Preferred selection method

Interview

Support and training offered by the company

Mentorship and training on available data sources

Financial assistance offered by the company

The organisation will pay the honorarium (£500)

Any other comments

This is a very exciting opportunity to undertake a potentially highly innovative piece of research for the market leaders in understanding movement of people and using unique highly commercial datasets.

For details on how to apply, please visit:
www.cdrc.ac.uk/education-and-training/masters-dissertation-scheme/details-for-students