

Welcome to DMU

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Net Zero Theme co-Director



De Montfort University is entering a new era with a strategic plan which focuses on empowerment and five strategic key research themes.



Net Zero @ DMU

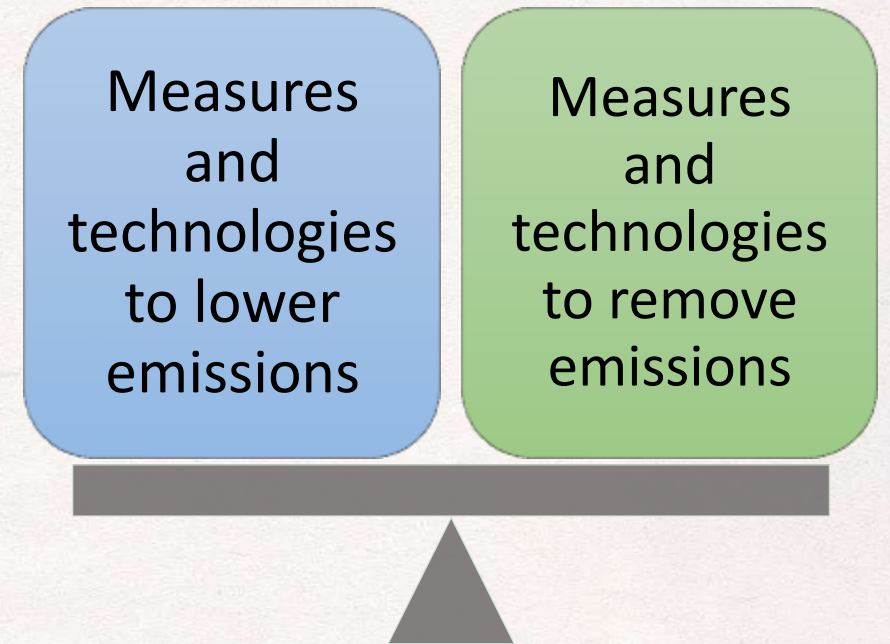
NZ for low carbon transitions

- Decarbonisation and low carbon systems and infrastructure
- Low carbon transitions in the developing world
- Just transition, socio-economic impacts and alignment of climate actions with the SDGs

NZ to develop new opportunities and partnerships

- NZ for local communities and businesses
- Creative engagement and innovation to net zero

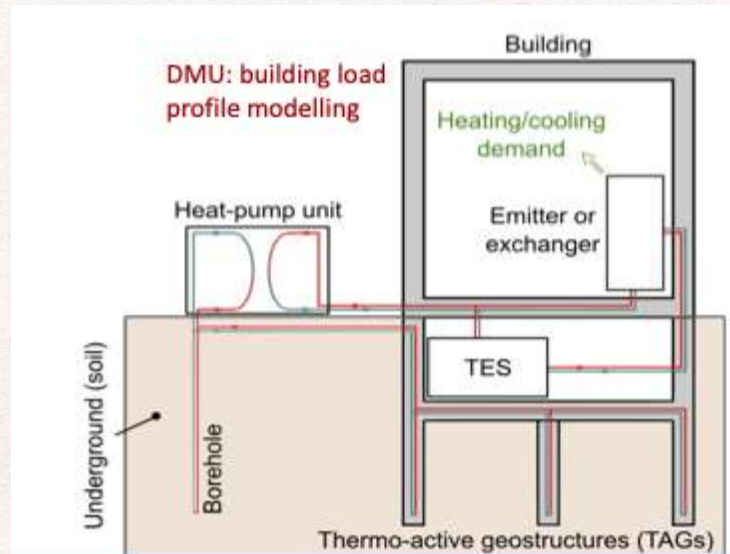
NET ZERO



Sustainable, Flexible and Efficient Ground-source heating and cooling systems – SaFEGround

Dr Andrew Right

SaFEGround will investigate how heat pumps can be coupled with underground civil engineering structures (foundations, piles etc.) to deliver low-carbon heating and cooling



Evaluation of a combi heating and air handling unit suiting UK indoor environment

Dr Abhishek Tiwary

ENHANCE project will conceptualise and develop a novel air warming and sanitising system, combining complementary capacities in UltraViolet-(UVC) technology, Air pollution control and heating.



Net Zero for local communities and businesses

Net zero transport with a focus on urban mobility in Leicester

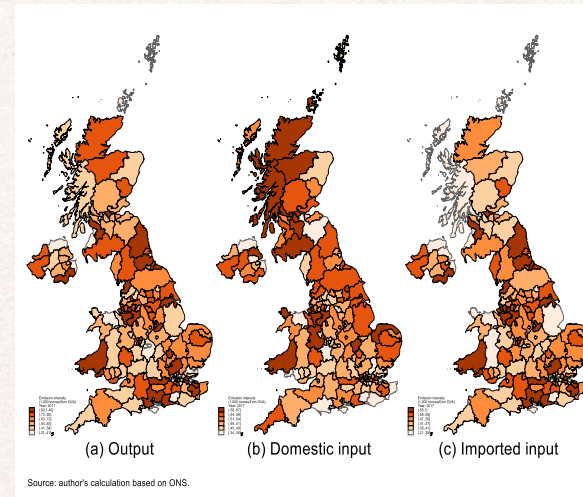
Professors Lucy Budd and Stephen Ison

An exploration of the market-based approach for addressing car use in the city of Leicester. The aim is to change travel behaviour, encourage alternatives to the private car and promote public transport use and active travel through improved infrastructure for walking and cycling.



The carbon footprint of Leicester and Leicestershire's manufacturing sector

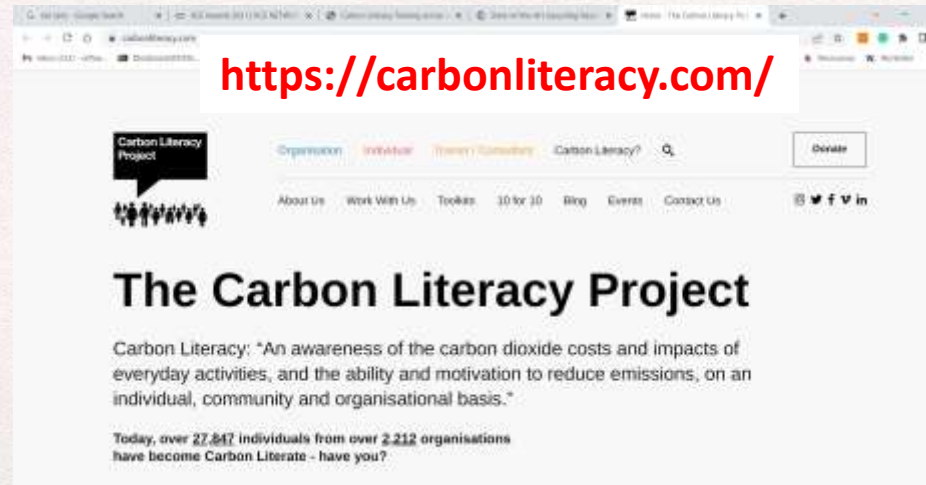
Dr Zheng Wang



Evaluation of the contributory factors of the carbon emissions of the manufacturing sectors and their carbon footprint along the global supply chains in Leicester/shire and the United Kingdom.



Developing new opportunities and partnerships



Carbon Literacy Training Dr Andrew Reeves

Through co-delivery with local partner organisations, people across the Leicester area are learning about the causes of climate change and adopting actions to make a difference. The project aims to build capacity for climate action for all sectors in the local economy.



International Upcycling Research Network Dr Kyungeon Sun



Aimed at developing upcycling theory and practices across industries, disciplines and countries for scaling up global upcycling with the ultimate goal to reduce carbon emissions by reducing industrial energy consumption (June 2022 - May 2024).



Our ambition for Net Zero @ DMU

- Become one of the focal point for Net Zero in the midlands and the UK
- Develop new opportunities and partnerships
- Focus and support a research team at DMU committed to the Net Zero agenda
- Create an identity of social innovation at DMU

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Research

