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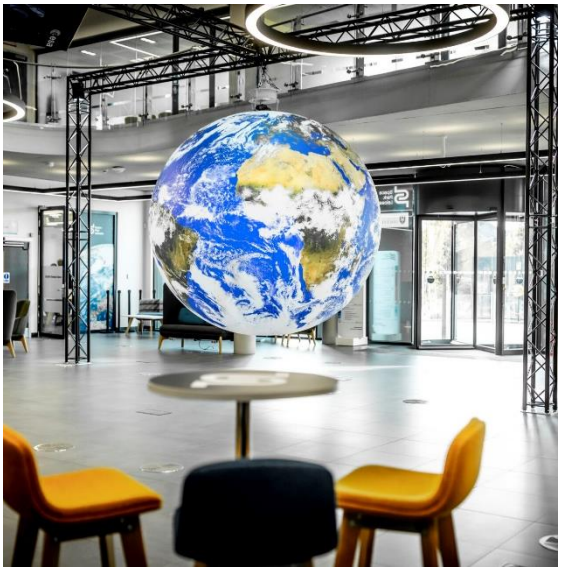
Clean Energy

"The climate and nature crisis is the greatest long-term global challenge that we face. The clean energy transition represents a huge opportunity to generate growth, tackle the cost-of-living crisis and make Britain energy independent once again. That is why clean energy by 2030 is Labour's second mission."

Labour Party Manifesto 2024



Research from the University of Leicester can support the transition to Net Zero and energy independence, providing the key information to support evidence-based policymaking.

The table opposite highlights some of the key areas of policy impact for the University of Leicester's work.

The examples overleaf provide a snapshot of how the University's work continues to support this Government mission.

To find out more about the University of Leicester's work in these areas, get in touch at

InstituteforPolicy@leicester.ac.uk

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Areas of Policy Impact

Clean Air
Earth Observation (EO) Science
Green Finance
Land Surface Temperatures
Land-Use
Net Zero Transition
Nuclear Power
Renewable Energy
Sustainability

www.le.ac.uk/research/institutes/policy

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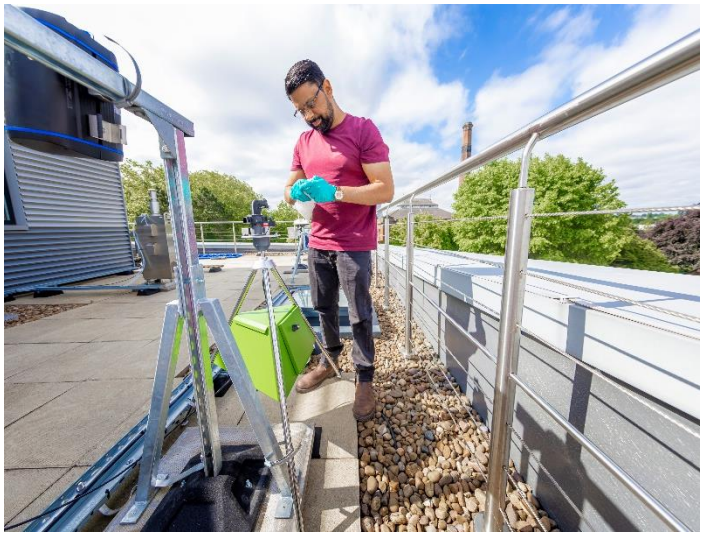
Clean Air

- The ‘largest scale experiment ever’ was undertaken during the pandemic by University of Leicester researchers into the changes in global air quality with lockdowns.
- The University’s 50 years of atmospheric data has been informing national and local governments on environmental impacts.



Land-Use and EO Science

- In partnership with the James Hutton Institute, the University has created a Land Use for Net Zero (LUNZ) Hub, co-designed by DEFRA to deliver rapid evidence for decision-making.
- World-leading Earth Observation (EO) scientists from the University of Leicester are invited to present evidence annually at the UN Climate Change Conference

Nuclear Power

- Stored nuclear material is repurposed for fuel systems through the collaboration between the University and the National Nuclear Laboratory.
- Perpetual Atomics, a University of Leicester spin-out, commercialises the know-how and expertise in space nuclear power of leading researchers from the University.

Renewable Energy

- A ground-breaking new method to recycle electric vehicle batteries involving ultrasonic waves has been developed by University of Leicester researchers.
- A UK consortium led by University of Leicester researchers has developed a method of converting agricultural waste into renewable energy.

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