



Energy and Environment Institute Strategy Executive Summary

We are an internationally-leading, transdisciplinary Institute based at the University of Hull. Reaching across University disciplines, we focus on research exploring the impacts of climate change on environments, societies and cultures, and the pathways for a global transition to a carbon net zero future. This strategy sets out how we will unlock answers to the biggest challenge humanity has ever faced - simultaneously delivering just and equitable solutions to climate change whilst addressing climate injustices during a carbon net zero transition. Our research, skills and capability will identify solutions to mitigate, adapt, and build resilience in the face of climate change, alongside educating and training the future leaders of green and blue economies and delivering across the UN Sustainable Development Goals.

Our Vision

Our vision is to shape a sustainable, resilient and productive global environment for the benefit of all.

Our Mission

Our mission is to undertake transdisciplinary research, education and knowledge exchange of international standing that makes a difference to the world around us.

Focused on the University's core elements of People, Place and Partnerships and delivered through a global sustainability and social justice lens, we will work across the interfaces between sustainability, biodiversity loss, climate change and a societal transition to a net zero carbon future that promotes healthier, more sustainable and more equitable relationships between communities and their environments in the face of a changing planet.

Strategic Aims

Through our strategic aims we push boundaries. Working within and across transdisciplinary interfaces we seek solutions to environmental challenges and champion new ideas internally and with external partners.

Research and Discover

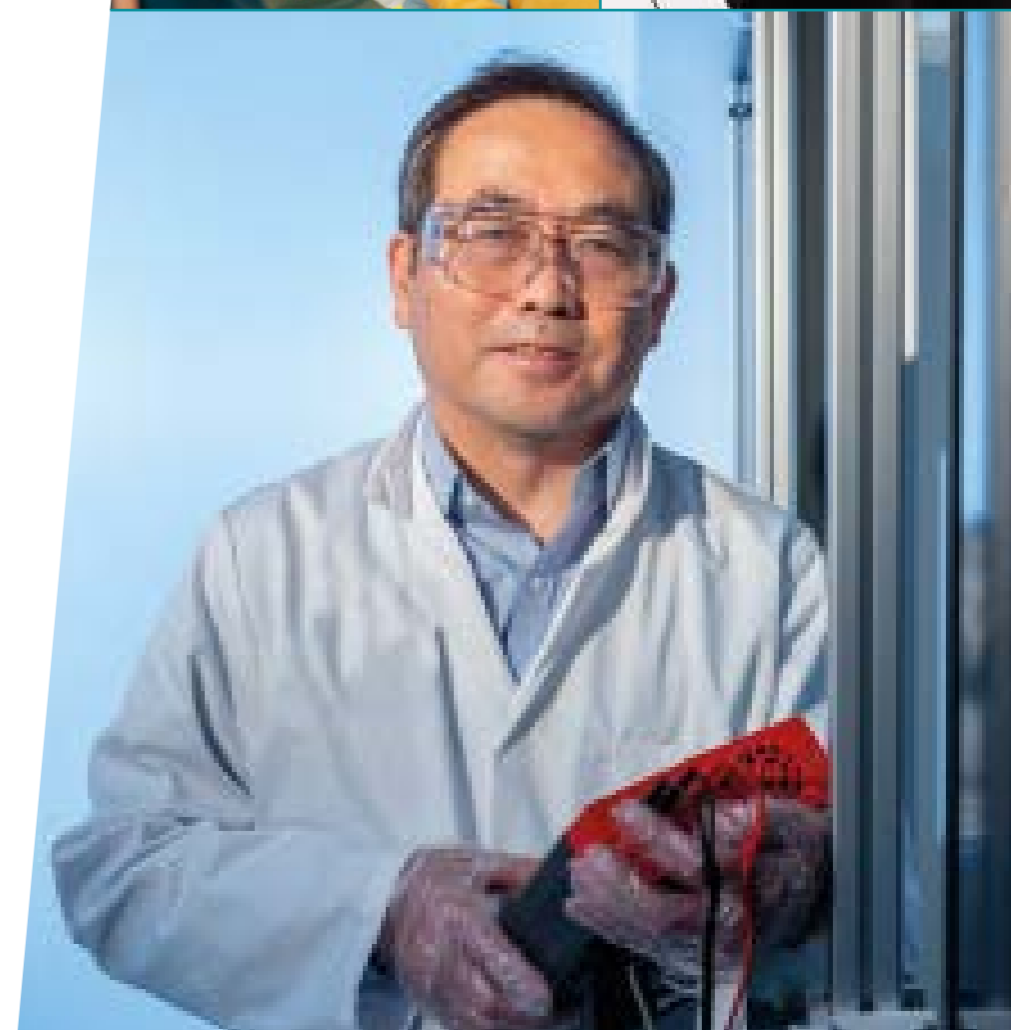
Foster a transdisciplinary research environment to gain transformative insights from the intersections of climate change, societal and cultural change, and a carbon net zero transition, alongside building environmental resilience to broad global challenges.

Knowledge Exchange and Impact

Accelerate pathways to research impact, through strong partnerships and engagement, ensuring we inform and influence societal change through policy and practice, shaping a climate resilient and carbon net zero future.

Educate the World

Deliver a world-class suite of sustainable high-quality education experiences at different levels, rooted in our research and sharing our knowledge to tackle the causes and consequences of climate change alongside the adaptation of societies, communities and behaviours globally.





Enabling Values

Our values underpin and guide how we work, our decisions, interactions and partnerships.

Collaboration and Connectivity

We strive to provide a supportive, enabling and inclusive environment where people feel respected and motivated. We offer a nucleation point for academics, researchers, students and external partners to come together to create ideas in a dynamic, internationally-leading research environment, where diverse talent is mentored and developed to its full potential. We aim to be flexible and responsive to emerging global opportunities and issues of greatest societal relevance.

Engaged Learning

A 'glocal' approach. Building and enabling bi-directional partnerships and sustainable networks that support innovative research and knowledge exchange, driven through relevant connections across regional, national and global challenges that are centred on the application, projection and societal acceptance of an energy transition and addressing the consequences of climate change.

Integrity and Fairness

We are open, generous and trusted, with transparency and accountability at our heart. We strive to be a just organisation, fully committed to embedding equity, diversity and inclusion in all that we do alongside driving our own sustainability goals.

Focus

The Institute strategy is transdisciplinary. Founded on discipline excellence, it draws on our experience of working across the interfaces of climate change, environmental resilience, sustainable energy and net zero transition. The strategy is enabled by the Institute's global reach and impact that is based upon being internationally excellent in all that we do: our quality will drive our profile and our success. We will develop four major themes focused on the interface of energy and the environment in its broadest sense:

Global Change, Risk and Resilience

Understanding how earth surface systems respond to climate change and the broad impacts this will have on societies, health and wellbeing. Fostering a transdisciplinary environment, we will explore the holistic impacts of climate change on societies and how living with environmental change through adaptation and mitigation will be vital into the future.

Climate Change and the Co-evolution of Earth and Life

Understanding bio-mediated processes and cycles at the interface between the inorganic materials of Earth and organic systems, biodiversity and ecological function to learn more about how human-derived pollution affects global climate change. To mitigate impacts and enhance resilience through natural processes, carbon sequestration, ecosystem services and the bioeconomy.

Clean Growth and Carbon Net Zero Transition

Our location within one of the world's most vulnerable industrial estuaries provides an exemplar of global issues. We will develop and exploit innovative new low carbon and/or net zero technologies and consider their societal acceptance. Focussing on environmental, social and health impacts of a net zero transition, we will take our learning to the wider world and bring home lessons learnt internationally.

Societies, Cultures and Climate Justice

Understanding intergenerational and intercultural learning and communication related to climate change impacts and climate injustices. Delivering new understandings of the dynamic links between health sciences, social sciences, humanities, arts and cultures at the interfaces between people, societies and their environment to enhance the resilience of communities in a changing climate.

