From Sheffield across the World – How AREC is going global and why you should be a part of it

The Advanced Resource Efficiency Centre (AREC) works to address global challenges in resource sustainability and aims to develop the supply chain of the future. In order to achieve this outcome, AREC fosters collaboration and knowledge exchange between academics, business executives, and policy-makers. By drawing on their combined expertise, AREC is in a unique position to identify and address concerns across different sectors. This enables AREC to devise solutions that are cost-effective, environmentally friendly, and benefit all stakeholders involved, as well as society as a whole. Recognized for its outstanding achievements, AREC is expanding its operations from its hub in Sheffield UK, to other regions across the globe including Europe, China, and the United States.

Cross-disciplinary expertise and high-level cooperation

AREC's team includes highly-esteemed academics from a wide variety of disciplines and backgrounds, including but not limited to management studies, engineering, material science, chemistry, energy, environmental science and economics, architecture, geography, and many others. In addition, AREC's research agenda is shaped by its Collaborative Steering Group. This group is represented by stakeholders from all sectors, including executives from leading industry, business owners, industry associations and policy makers. AREC also actively fosters engagement with policy-makers on the national and international levels. This approach enables AREC to fully understand the specific challenges each sector and region face in supply chain resource sustainability. Accordingly, AREC operates a research agenda that is informed by real-world problems.

Spokes in Europe, China and the United States

AREC's hub is in Sheffield, UK. It has an existing spoke in Thessaloniki, Greece, which focuses on knowledge capacity building in South East Europe and leads AREC's expansion throughout Europe. AREC is in the process of opening a spoke in Beijing, China, in the Science Park of an influential national think tank. To be launched in March 2018, this spoke will focus on supply chain of the energy, manufacturing and civil nuclear industries (including oil and gas), and will take on a key role in knowledge exchange with local executives in the newest developments in supply chain environmental sustainability, including opportunities for big data, autonomous and intelligence applications, and the topics of Industry 4.0 and resource efficiency. In addition, AREC has an active partnership with world leading research institutions in the United States, including Pennsylvania State University and Brown University, an Ivy League institution. AREC's global approach and local connections make it world-leading in expanding and sharing its research capabilities worldwide to benefit everyone.

How can I get involved?

AREC's research lives from the inputs and ideas of people and organizations who work with resources management and supply chains, or who had the opportunity and in a position to shape agenda and direction, or influence strategies and make decisions in this area. If you are interested in shaping its research agenda and actively contributing to resource sustainability innovation and developing the supply chain for the future, we invite you to contact us at arec@sheffield.ac.uk. If you would like to learn more about our partnerships, please see our website www.sheffield.ac.uk/arec/industry.

For more information, please visit www.scenat.com or www.sheffield.ac.uk/arec