



Institute for  
Sustainability



UNIVERSITY OF  
**BATH**

We are working to transform the future. The challenges of climate change, environmental pollution and resource depletion cannot be solved by science or engineering alone but working with others. The Institute for Sustainability (IfS) centres on science and technology driven solutions. We are driven to transform systems and processes to enable a just transition to clean growth and sustainability. This transformation requires integration of research across disciplines and our new institute brings together a unique range of expertise to address this.

Our core focus spans applied science and engineering, whole systems and life cycle approaches, curiosity-driven molecular science and challenge-led fundamental science. There are currently two overarching research themes – sustainable chemical technologies and sustainable systems. We apply interdisciplinarity across all spheres of activity: research-led education; PhD training; Early Career Researchers' development; fundamental and applied research; international collaboration; policy, public engagement; and knowledge exchange.

Members of the Institute lead several major national initiatives and you can find out more [here](#). We are leaders in many areas, including many large EPSRC initiatives such as the CDT in Sustainable Chemical Technologies, the UK Catalysis Hub, the Industrial Decarbonisation Research and Innovation Centre, (IDRIC) the Centre for People-led Digitisation (P-LD), Designing the Future: Resilient Trans-Disciplinary Design Engineers, and the Programme Grant in Separations (SynHiSel). We also lead the Innovation Centre in Applied Sustainable Technologies, (iCAST), and we are home to the UKRI Co-ordinator in Hydrogen and Alternative Liquid Fuels.

Our research, training and innovation programmes are underpinned by world-class facilities housing state-of-the-art equipment for chemical and material characterisation, analysis and testing, computation, and digitisation as well as for scale-up of chemical, biochemical and materials manufacturing and processing.

**Evolution of the Institute:** The Institute will be formally launched in January 2023 as a significant evolution of the internationally renowned Centre for Sustainable and Circular Technologies (CSCT). The CSCT was established in 2008 and has gathered a research, innovation and training grant portfolio of over £50m. It has trained and graduated over 150 PhD researchers and has more than 100 affiliated academic staff, 70 PhD researchers and over 80 external partners from industry and academia.

With strategic support from the University, the Institute's ambition is to expand further to deliver against the UN SDGs and the UK and European green strategies by growing capabilities in areas such as manufacturing for a circular economy, industrial decarbonisation, social, behavioural, economic sustainability, and artificial intelligence/digitisation.

**Leadership Team:** Professors Matthew Davidson & Marcelle McManus – Directors; Dr Antoine Buchard & Dr Stephen Allan – Associate Directors in Sustainable Chemical Technologies & Sustainable Systems; Francesca Guiso Gallisai – Operations Director.