

Projects funded through the Research England Development (RED) Fund

Current projects:

Brunel University	Making the Future Digital	£1,690,000
City, University of London	CebAI: A National Centre for Creativity Enabled Artificial Intelligence	£3,569,113
Keele University	HyDEX: Hydrogen development and knowledge exchange	£4,990,000
Lancaster University	Open Book Futures	£2,288,772
Liverpool School of Tropical Medicine	Human Challenge Facility (HCF)	£4,753,151
Liverpool School of Tropical Medicine	Realising the Economic Gains from Increased Infection R&D	£1,692,900
Loughborough University	The Centre for Postdoctoral Development in Infrastructure, Cities and Energy (C-DICE)	£3,980,474
Newcastle University	Insights North East (INE)	£2,779,491
Newcastle University	National Innovation Centre for Rural Enterprise (NICRE)	£3,755,829
Nottingham Trent University	UfN Co(l)laboratory Research Hub	£2,053,478
Royal College of Art	Design Age Institute	£4,996,543
Sheffield Hallam University	The National Civic Impact Accelerator (NCIA)	£3,696,452
Teesside University	Growing Teesside's Hydrogen Economy and Catalysing a Just Transition to Net Zero	£4,838,147
University College London	Capabilities in Academic-Policy Engagement (CAPE)	£3,953,144
University of Bath	Innovation Centre for Applied Sustainable Technologies (iCAST)	£4,987,157

University of Birmingham	The West-Midlands Regional Economic Development Institute (WM-REDI) @ The Exchange	£4,913,977
University of Bristol	Growing and Embedding Open Research in Institutional Practice and Culture	£4,479,092
University of Bristol	Levelling-Up West: Incubator OMX	£4,750,000
University of Cambridge	Action Research on Research Culture (ARRC)	£2,308,148
University of Cambridge	TenU	£2,586,994
University of Cambridge	Policy Evidence Unit for University Commercialisation and Innovation (UCI)	£1,199,833
University of Exeter	Developing Business-Aware Academics	£4,997,478
University of Leeds	Y-PERN	£3,993,538
University of Nottingham	Midlands Centre for Data-driven Metrology (MCDDM)	£2,933,532
University of Nottingham	TALENT: Advancing status and opportunity for the technical community in UK higher education	£3,048,451
University of Nottingham	Establishing the UK Institute of Technical Skills and Strategy (ITSS)	£3,925,538
University of Oxford	Effective KE for international biodiversity conservation: transforming practice to meet urgent demand	£648,708
University of Plymouth	Cyber-SHIP Lab	£1,682,001
University of Salford	North of England Robotics Innovation Centre (NERIC)	£3,640,829
University of Sheffield	South Yorkshire Sustainability Centre	£4,999,979
University of Surrey	Harnessing Small to Medium Enterprise: a new model for SME industry-funded PhD studentships	£370,000
University of York	The Screen Industries Growth Network (SIGN)	£4,899,000

University of York	Research SuperVision Project (RSVP)	£4,114,269
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Project summaries

Lead provider and total project funding	Summary of project
Brunel University £1,690,000	<p>Making the Future Digital</p> <p>This project aims to address the need to build more digital businesses by providing a range of support programmes to new digital early stage companies with a focus on those being planned by graduates and staff from universities in West London. Housed in a new custom designed innovation hub called the Powerhouse, the project will build on Brunel's successful project Making the Future, and its collaboration with the property developer U+I. Making the Future Digital will triple the volume of early-stage companies that will be supported, whilst creating jobs and facilitating the development of new digital products and services. It will operate alongside Making the Future in the newly refurbished Powerhouse building in partnership with U+I and its joint venture Plus X. It will facilitate and enhance economic growth with an open and collaborative innovation ecosystem that is both sustainable and informed by the needs of the West London economy and the expertise of the university partners. https://centralresearchlaboratory.com/</p>
City, University of London £3,569,113	<p>Creativity enabled by Artificial Intelligence (CebAI)</p> <p>The project will set up a national centre called CebAI (Creativity Enabled by Artificial Intelligence). CebAI will seek to empower businesses to be more creative, on-demand, and hence more innovative more regularly. Building on research in digital creativity, it will support businesses to exploit their assets and existing creativity knowledge through new forms of on-demand software services. Business partners will use this platform and software to amplify their existing creativity consulting, training and leadership services, in order to maximise the value of these services to business clients.</p> <p>CebAI will also disseminate new models, frameworks, offerings and lessons to other HE providers through a series of conferences and events dedicated to improving institutional practices for creativity and AI knowledge exchange.</p>
Keele University £4,990,000	<p>HyDEX</p> <p>HyDEX is designed to support the creation of a new hydrogen industrial economy in the Midlands. This project, led by Keele University, will work with SMEs, established Midlands-based and UK commercial partners, and multinationals to accelerate innovation, build markets and support the required skills transition. The three-year programme will create a</p>

	<p>platform for the eight university partners associated with the Midlands-based Energy Research Accelerator, ERA, to make available their hydrogen facilities, research capability and expertise, and large-scale hydrogen demonstrators. The ERA universities will work with businesses to allow them to accelerate the development of new hydrogen products, transition from declining industrial sectors, train and re-skill, demonstrate the viability of new products, and support the creation of a market for low-carbon hydrogen solutions as part of the net zero transition. They will use their extensive international connections to link businesses with growing international markets to build commercial opportunities that reach beyond the Midlands and the UK.</p> <p>https://www.era.ac.uk/hydex</p>
<p>Lancaster University £2,288,772</p>	<p>Open Book Futures Open Book Futures, jointly funded by Arcadia and the RED Fund, initiates a step-change in the ambition, scope and impact of community-led Open Access book publishing. It does so by significantly increasing and improving the quantity, discoverability and accessibility of academic content freely available to both scholars and the wider public. The project radically extends the work of initiatives including the Open Book Collective, Thoth and Opening the Future, as well as activity on experimental book publishing and digital archiving and preservation, while also introducing a new focus on delivering more accessible Open Access e-books. The overall aim is to work towards a more equitable and sustainable future for Open Access book publishing. It builds on the work of the COPIM project, also jointly funded by the RED Fund and Arcadia.</p>
<p>Liverpool School of Tropical Medicine £4,753,151</p>	<p>Human Challenge Facility (HCF) The project aims to expand the reach of cutting-edge experimental research and deliver a step change in national capacity for human infection research by creating the largest academic UK in-patient human challenge isolation facility. It will create a dedicated 12 bed in-patient isolation facility, with HEPA (high efficiency particulate air) filtration and negative air pressure, allowing Human Challenge Model studies with high-consequence pathogens such as SARS-Cov2, TB and other emerging pathogens and permitting the prolonged observation of volunteers that is necessary to ensure safety. The facility will significantly de-risk global investment in anti-infective development. The project has four key objectives:</p> <ul style="list-style-type: none"> • To foster cutting edge discoveries and accelerate the delivery of future benefits to patients and the wider health system. • To drive innovation in experimental research and support translation into new therapeutics and vaccines. • To generate critical funding and new investment into human infection research. • To provide a pathway for expansion and growth in regional medtech, industrial biotech and pharma industries.

	<ul style="list-style-type: none"> To further advance clinical research capacity within a region with one of the highest unmet health needs, particularly in respiratory infection.
<p>Liverpool School of Tropical Medicine £1,692,900</p>	<p>Realising the Economic Gains from Increased Infection R&D</p> <p>To reinvigorate the UK economy, the Government has an aspirational target of 2.4% GDP being spent on R&D. The Liverpool City Region (LCR) from a relatively low economic base has set a more challenging target of 5% GVA on R&D. If this increased spend is to stimulate sustained economic development in the UK, there needs to be a paradigm shift. The academic base in HE providers needs to be more closely aligned with economic development via more effective industrial links in areas of strategic need and this needs to flow through to increased regional manufacturing and supply chain development for new products. This project supports providers, local NHS and industry in a truly collaborative partnership that plays to the strengths of all partners and in a format that is already delivering exceptional regional and national benefit. It is the key driver identified by the Liverpool City Region Combined Authority for expanding the world leading Infection R&D cluster in the Northwest.</p> <p>Home iiCON (infectioninnovation.com)</p>
<p>Loughborough University £3,980,474</p>	<p>The Centre for Postdoctoral Development in Infrastructure, Cities and Energy (C-DICE)</p> <p>This project is establishing a diverse pipeline of talent with the skills and knowledge to address the critical challenges in delivering sustainable infrastructure, cities and energy supply. There is an unprecedented demand for such individuals with over 200,000 vacancies expected over the next decade. C-DICE incorporates the universities of the UKCRIC and ERA partnerships, capitalising on UKRI investment in research facilities, along with many other industrial and university partners. The Centre provides a unique and timely opportunity to directly address recent calls to secure higher-level skills, the research talent of tomorrow, and the capacity to commercialise technological developments. The C-DICE programme tackles:</p> <ol style="list-style-type: none"> 1. How we build and sustain the advanced skills base required to create a pipeline of world-class talent for the Infrastructure, Cities and Energy (IC&E) sectors. 2. How to accelerate progress towards a net-zero carbon society by 2050. <p>Through the Centre, postdoctoral researchers will solve interdisciplinary problems enabling delivery and operation of sustainable infrastructure, cities and energy, while becoming equipped with the skills and knowledge to occupy R&D leadership roles across a range of sectors. It offers a new development programme within which post-doctoral researchers will advance their skills through tailored pathways and innovative, collaborative research activity.</p> <p>For more details visit: www.cdice.ac.uk</p>
<p>Newcastle University</p>	<p>Insights North East (INE)</p>

<p>£2,779,491</p>	<p>(INE will be a demonstrator illustrating how anchor institution partners can collaborate to maximise the potential for university research to inform place-based policy-making and practice and ensure future research agendas are demand-led, shaped by the needs of the place. INE is an already existing partnership between the NHS, North of Tyne Combined Authority, Newcastle City Council, Newcastle University and Northumbria University. RED funding will allow the partnership to scale up and accelerate activities by building the critical mass through human capital and through enabling supporting actions such as addressing gaps in the evidence base, building databases and directories, and facilitating knowledge exchange and capacity building events. INE will build the bridge between research and policy-making and provide the blue print on how to create sustainable infrastructure for place-based policy-making. As an action research project, INE will share its learning with the HE, health and public sectors across the UK and internationally so they can design their own local solutions to close the gap between publicly funded research and policy design and implementation.</p> <p>More information on the project can be found here: Insights North East</p>
<p>Newcastle University £3,755,829</p>	<p>National Innovation Centre for Rural Enterprise (NICRE) The project will establish a National Innovation Centre for Rural Enterprise (NICRE) to realise a step change in innovation and unlock potential in the UK's rural economies. Working in partnership across multiple stakeholders the Centre aims to have impacts on business practices, people, policy and places. It will do this by:</p> <ul style="list-style-type: none"> • Strengthening the evidence base, through a core research programme • Catalysing rural innovation and enterprise, involving local partners in co-designed place-based demonstration projects • Informing enhanced policy and enterprise support for rural firms
<p>Nottingham Trent University £2,053,478</p>	<p>UfN Co(I)laboratory Research Hub Universities for Nottingham Research Hub -Co(I)laboratory is a collaboration between Nottingham Trent University, the University of Nottingham, two Nottingham-based NHS trusts, Nottingham city and county councils. The project will pilot civic cohort-based doctoral training as an innovative mechanism to broaden engagement and participation in research. It will provide the intellectual underpinning to important work to resolve local civic challenges as part of levelling-up and post-pandemic recovery in Nottingham and Nottinghamshire by engaging local citizens and civic employers in setting the agenda for research at their local universities; in carrying out those research projects and; in developing the skills required to lead local change. Co(I)lab. aims to improve the lives of local people, supporting the development of the local economy, increasing productivity, and driving growth and wellbeing; attracting a more diverse group of professionals, practitioners, and residents into doctoral research.</p>

	<p>Co(I)lab will train 50 PhDs across the next eight years, delivering an innovative training programme that is designed to support the development of research skills, generic skills and civic leadership. The Co(I)laboratory research hub will provide an evidence base for further development and adoption of effective practice by other universities, regions and consortia.</p> <p>More information on the project can be found here: https://www.universitiesfornottingham.ac.uk/research/collaboratory</p>
<p>Royal College of Art £4,996,543</p>	<p>Design Age Institute</p> <p>The Design Age Institute will act as a national strategic design unit for ageing, thus supporting a key theme of the UK’s Industrial Strategy. Working closely with the National Innovation Centre for Ageing at Newcastle University the Institute will provide a range of design services for private and public sector organisations. It will audit the field globally and prioritise action and investment. It will build, coordinate and brief a network of design expertise across the UK, enabling the translation of new ideas and technologies into tangible products and services. Its model will invite expressions of interest and commission design teams from private-sector design firms and HE providers and coordinate demonstrator projects. The Institute also seeks to shift the public debate around innovation for ageing from low-value products at the point of medical crisis to higher-value inclusive design for active lifestyles.</p>
<p>Sheffield Hallam University £3,696,452</p>	<p>The National Civic Impact Accelerator (NCIA)</p> <p>The NCIA’s vision is to increase the connectivity, momentum, and effectiveness of the HE sector’s civic activities for local societal, economic, and environmental benefit and maximise the contribution universities can make towards addressing societal challenges and responding to policy priorities.</p> <p>The NCIA will have three primary functions:</p> <ol style="list-style-type: none"> 1. The NCIA will rapidly prioritise, generate, and mobilise intelligence about place-based working. The NCIA will convene across the HE and civic sector and mobilise the work of existing investments in place-based intelligence, such as WM-REDI and Insights North-East, thus maximising their value in support of the place agenda and place-based working. 2. The NCIA will unlock leadership potential and build capability for more effective civic engagement, within and outside of the HE sector. 3. The NCIA will accelerate civic innovation. The NCIA will test and scale up the Civic Impact Framework to provide a shared framework for practical action. It will consolidate the use of Civic University Agreements: long term, strategic partnerships between universities and their communities and partners. <p>More information on this project can be found here: National Civic Impact Accelerator – Civic University Network</p>

<p>Teesside University £4,838,147</p>	<p>Growing Teesside’s Hydrogen Economy and Catalysing a Just Transition to Net Zero</p> <p>Hydrogen innovation is set to be a key driver of economic growth in the Tees Valley Region (TVR). Our aim is to leverage existing, distinctive research capabilities at Teesside University and Durham University to both solve immediate project challenges and build sustainable, long-term research capacity to support the TVR’s aspiration for a prosperous hydrogen economy; at the same time delivering increased understanding of the benefit to local communities. Sharing the outcomes of this work will drive productivity and effect a green industrial transformation through hydrogen. There are three key objectives of the project:</p> <ol style="list-style-type: none"> 1. To identify, develop and embed novel technological responses to ensure TVR businesses take advantage of opportunities presented by the hydrogen economy. 2. To provide a sustainable pipeline of researchers and innovators who have built their industrial experience in a collaborative environment. 3. To implement an ambitious programme of social research, public outreach and stakeholder engagement that positions the TVR as a beacon for just energy transition.
<p>University College London £3,953,144</p>	<p>Capabilities in Academic Policy Engagement (CAPE)</p> <p>CAPE has been created to support effective and sustained engagement between academics and policy professionals across the HE sector. It is a partnership between UCL and the universities of Cambridge, Manchester, Northumbria and Nottingham, in collaboration with the Government Office for Science, the Parliamentary Office for Science & Technology, the Alliance for Useful Evidence, and the Transforming Evidence Hub.</p> <p>CAPE will build upon existing evidence of barriers and facilitators to academic-policy engagement in order to pilot interventions catalysing a shift towards enhanced interactions between academia and public policy and a measurable increase in evidence use. These insights will be shared widely across the sector and with policy stakeholders, and will subsequently guide the activities for improved academic-policy engagement piloted within this project.</p>
<p>University of Bath £4,987,157</p>	<p>Innovation Centre for Applied Sustainable Technologies (iCAST).</p> <p>This will be a unique knowledge exchange facility that enables companies to easily invest in R&D and provide specialist business support for the innovation to be deployed commercially. The Centre will enable UK companies to partner with critical mass academic strength to enable them to scale-up, deliver economic impact, and build supply chains, jobs and growth in the UK. This project delivers on the whole innovation system recommendation of the UK Government’s R&D Roadmap, as an integrator of key research assets in the chemical technologies ecosystem. It will be founded on the research of the universities of Bath and Oxford focussed on chemistry-using and chemical process-based innovation. Delivering Government and UKRI priorities in relation to Clean Growth,</p>

	<p>net zero, long-term economic prosperity and enhancing university – business KE mechanisms, iCAST will accelerate innovation from proof of principle towards market-readiness at speed with its ability and capability to reach back into Universities for deep academic problem solving.</p> <p>More information on this project can be found here: https://www.csct.ac.uk/icast/</p>
<p>University of Birmingham £4,913,977</p>	<p>The West-Midlands Regional Economic Development Institute (WM-REDI) @ The Exchange</p> <p>The project will establish a new institute to provide evidence to strengthen the development and delivery of local industrial strategies. The institute will engage with a broad range of stakeholders to support regional decision-making on the optimum mix of investments for inclusive economic growth amongst a wide range of projects.</p> <p>To achieve this the institute will:</p> <ol style="list-style-type: none"> 1. Develop tools for analysis, evaluation and monitoring, to improve how to select, shape and promote particular innovations, informed by evaluations of the likelihood, timescale and scope of their eventual commercial or social impact, and the likely beneficiaries. 2. Conduct comparative benchmarking to assess the relative strengths and weaknesses of UK regions, focusing explicitly on regional systems of innovation and the relative alignment of university R&D with user-needs at the local and national levels. 3. Provide policy support to help shape and implement Local Industrial Strategies (LIS); deliver workshops and training programmes to accelerate three types of economic and social impact: technology commercialisation, innovation in services firms and non-commercial innovation to support improvements in local public services, health and welfare.
<p>University of Bristol £4,479,092</p>	<p>Growing and Embedding Open Research in Institutional Practice and Culture</p> <p>This is a five-year programme of work to accelerate the uptake of high-quality open research practices across the UK HE sector. Specific objectives, each delivered by distinct but interacting workstreams, include:</p> <ol style="list-style-type: none"> 1: Developing and delivering innovative, multi-institutional, high-quality training in open and transparent research practice, via a train-the-trainer model; 2: Developing and delivering a framework for ongoing evaluation of institutional practice and learning in open research, leading to the embedding of a culture of continuous research improvement; 3: Sharing effective practice among partner providers and across the sector, and promoting the alignment of incentives, embedded in institutional practice, to drive uptake of open research. <p>The implementation of the project will be informed by an initial scoping review of current practice, and the project includes the development of a</p>

	<p>longer-term sustainability model to ensure this activity continues beyond the funded period.</p> <p>More information on this project can be found here: https://www.ukrn.org/2021/09/15/major-funding-boost-for-uks-open-research-agenda/</p>
<p>University of Bristol £4,750,000</p>	<p>Levelling-Up West: Incubator OMX OMX will create a critical mass of spin-outs in the West of England that will help unlock significant new investment in the ecosystem from multiple organisations which will build one million ft² of incubation space, raise venture funding and develop the talent these companies will require over the next ten years. OMX will rapidly turn-on capacity to incubate ~275 new companies starting from 2024. This scaling of the ecosystem with all associated supply chains will help level-up the West of England as a place not only where internationally competitive businesses are spun-out, but also where they scale, grow and remain Headquartered.</p> <p>OMX will contribute to a new national playbook for creating more diverse spin-out ecosystems outside of the Golden Triangle and the Greater South East by disseminating insights experience through networks (inc. SETSquared, GW4, PraxisAuril, the Scale-Up Institute) and the sharing insights gained from the bringing together of multiple partners from universities, specialist investors (by stage, technology and sector), facility providers and corporates. These insights will help inform current place-based policy initiatives such as the Shared Prosperity Funding currently allocated by WECA to the Supporting Local Business Priority, and future ones such as Investment Zones and Innovation Accelerators.</p>
<p>University of Cambridge £2,308,148</p>	<p>Action Research on Research Culture (ARRC) The ARRC project is an international collaboration investigating how changing the recruitment, development and retention of researchers could improve research culture. The project aims to rigorously test some of the most popular solutions for improving research culture, and then develop frameworks, policies and materials to ensure that effective solutions are widely adopted across the HE sector to drive long-term change. The ideas being tested include narrative CVs, tools that support development conversations, and ways to progress the conversation around precarity in research careers.</p> <p>The project partners include the University of Edinburgh (UK), Leiden University (The Netherlands), Freie Universität Berlin (Germany), and ETH Zurich (Switzerland). The project research includes a study of the research culture landscape across Europe, and the intention to extend the testing to international partners, to support a wider sharing of practice and adoption of successful ideas.</p>
<p>University of Cambridge</p>	<p>TenU</p>

<p>£2,586,994</p>	<p>This proposal builds on two successful pilot projects carried out by TenU on two Research England grants, worth a combined £320,100.</p> <p>TenU is an international collaboration between the research commercialisation offices of the University of Cambridge, Columbia University, University of Edinburgh, Imperial College London, KU Leuven, University of Manchester, MIT, University of Oxford, Stanford University, and UCL.</p> <p>The solutions to the grand challenges of our time – including COVID-19 and climate – will require the successful transfer of research outcomes to create meaningful impact and future growth. This proposal will support governments and HE communities to deliver this vision by fostering international collaboration, through five workstreams: 1) evidence-building on effective practices on international technical, operational and policy issues in research commercialisation; 2) sector-wide engagement to share this evidence; 3) strategic policy advice; 4) strengthening of relations between the HE and investment communities, and 5) training and exchange of future innovation leaders.</p>
<p>University of Cambridge £1,199,833</p>	<p>Policy Evidence Unit for University Commercialisation and Innovation (UCI)</p> <p>This project will establish a Policy Evidence Unit for University Commercialisation and Innovation (UCI) to help drive a step change in universities’ contributions to delivering increased R&D and innovation in the UK. The unit will create much needed capacity to support the needs of UK government departments, funding agencies, and universities for better data, evidence, and expert insights to develop more effective approaches for enabling universities to actively and strategically contribute to commercialisation and innovation. Key activities include:</p> <ul style="list-style-type: none"> • Targeted evidence studies to fill key evidence gaps identified through close and systematic consultation with key stakeholders • Data development projects to improve the quality and robustness of data and metrics available on university commercialisation and innovation • Efforts to train and support policy-makers and analysts in using the emerging evidence, concepts and tools in their decision-making activities
<p>University of Exeter £4,997,478</p>	<p>Developing Business-Aware Academics</p> <p>The project aims to engage business schools across England to trial a series of approaches that support doctoral and early career researchers to develop their business awareness and competencies in order to explore applications of their research outside of academia. Working with researchers across all disciplines – but with a focus on those working in science and technology – the business schools will offer a variety of training, resources and activities to build the skills and confidence needed to work effectively with industrial partners. Whether looking to remain in universities or move into the private sector, participants will develop</p>

	<p>their understanding of the economic, social, environmental, and commercial benefits and impact of their research. This will improve the cross-fertilisation of research and innovative thinking between academia, business and industry; support those embarking on research careers to capitalise on the benefits of collaboration across these domains; and contribute to positive research cultures both in and outside of universities.</p>
<p>University of Leeds £3,993,538</p>	<p>Yorkshire & Humber Policy Engagement & Research Network (Y-PERN) Y-PERN aims to galvanise a step-change in the ability of policy making in the region to mobilise academic research expertise. Y-PERN has four main objectives:</p> <ol style="list-style-type: none"> 1. To strengthen existing collaborations & networks between universities in Yorkshire to enhance the direct contribution of academic research to policymaking addressing the key economic opportunities & challenges facing all parts of the region; 2. To create academic-led ‘communities of practice’ across Yorkshire to drive increased academic policy engagement and research and shared learning across local and regional partners; 3. To build the case and increase further demand for a sustainable network resource that mobilises academic expertise to support the strategic objectives and priorities agreed by the region; and 4. To explore the potential of the Y-PERN approach to add value to existing approaches across other regions, and for future scaling up to a national policy engagement and research network.
<p>University of Nottingham £3,925,538</p>	<p>Establishing the UK Institute of Technical Skills and Strategy (ITSS) ITSS will provide insight, influence, and innovative interventions to ensure that the UK has the technical capability and capacity across academia, research, education, and innovation. This will enable the UK to be a global superpower in science, engineering, and the creative industries, and that technical skills, roles, and careers will be recognised, understood, developed, respected, and aspired to.</p> <p>ITSS will scale-out and scale-up the insight, influencing and impact work started by the Technician Commitment, and extended by the TALENT initiative. The project aims to address the challenges faced by technicians in HE and research through increasing understanding and building the knowledge base, deepening impact through innovative activities and embedding best practice nationally across the sector. ITSS will be three key things.</p> <ol style="list-style-type: none"> 1. Sector-wide, with UK coverage and through the establishment of new international links. 2. Strategic, by providing strategic leadership at a sector level and by supporting strategic technical leadership within individual institutions.

	<p>3. Systemic, in integrating research, policy, innovation, and practice to drive and embed systemic culture change.</p>
<p>University of Nottingham £2,933,532</p>	<p>The Midlands Centre for Data-Driven Metrology (MCDDM) MCDDM is a multi-site collaboration led by the University of Nottingham with Loughborough University and Coventry University. The MCDDM will develop novel technologies to improve in-line measurement within manufacturing processes and share practices to integrate metrology into UK manufacturing companies. The MCDDM will provide support for UK manufacturing workforce to access learning in manufacturing measurement and its application to verification of data for digital manufacturing. It will provide public benefit through the development of technologies that enable manufacturing processes to deliver reduced environmental impact, more reliable products, and improved employment opportunities for skilled workers.</p> <p>More details of the project can be found at www.mcddm.ac.uk.</p>
<p>University of Nottingham on behalf of the Midlands Innovation university partnership £3,048,451</p>	<p>TALENT: Advancing status and opportunity for the technical community in UK higher education The project will lead and influence change to advance the status and opportunities for technical skills, roles and careers in UK HE. TALENT will collaboratively deliver technician-led activities providing the evidence, tools and case studies to enable the wider sector to plan and develop their technical workforce. Through the Midlands Innovation consortium of eight providers the project seeks to:</p> <ul style="list-style-type: none"> • Understand future requirements for skilled technicians in the UK HE sector. • Work collaboratively to advocate and deliver a change in culture that will raise the profile of technical careers, roles and contributions, enhancing career pathways and possibilities. • Build upon the commitments of partner providers by delivering a programme of training and development opportunities for our technical community of over 2100 FTE and to share the learning with the sector.
<p>University of Oxford £648,708</p>	<p>Effective KE for international biodiversity conservation: transforming practice to meet urgent demand The project will establish strong, scalable structures that enable effective two-way engagement between the Conservation and Sustainability Consortium of Academic Institutions (CASCADE) and key end users on critical issues related to international policy at the intersection of conservation and development. At the end of the project, the team will be positioned to scale up their KE activities, based on identified demand from end-users, and contribute to shaping UK and international policy while building capacity and collaborative networks between higher education institutions in the UK and beyond.</p> <p>The project will work with two key KE partners: the Secretariat of the Convention on Biological Diversity (CBD), and the UK government</p>

	<p>through the Joint Nature Conservation Committee (JNCC). The project will map out the needs and priorities of these partners to understand how UK-HEIs can better contribute to the effective implementation of the Global Biodiversity Framework.</p>
<p>University of Plymouth £1,682,001</p>	<p>Cyber-SHIP Lab The primary objective of this project is to deliver a functioning maritime-cyber lab relating to security in hardware, software, and protection development. Combining maritime technology and cyber-security labs, the Cyber-SHIP Lab will consist of a secure physical space for academic and industry collaboration. The Lab will host a range of connected maritime systems, enabling technology and human usage to be studied and analysed, and system weakness identified. This will support a range of research and training that cannot be achieved with simulators alone. The project will also facilitate the development and delivery of new maritime cyber provision for graduates, postgraduates and industry.</p>
<p>University of Salford £3,640,829</p>	<p>North of England Robotics Innovation Centre (NERIC) The project focuses on Robotics / AI solutions for SMEs. It responds to the need for a focus on AI, data and robotics as key growth areas, with automation being a tool for regional industrial growth in Greater Manchester. It will seek to develop a resource of dedicated translational specialists “Intrepid Problem Solvers” to work with SMEs to problem solve live business issues as well enabling new novel research to be undertaken by existing researchers. The project will add wider benefits by creating an innovation ecosystem focused on the needs of SMEs.</p> <p>For more information, please visit: North of England Robotics Innovation Centre University of Salford</p>
<p>University of Sheffield £4,999,979</p>	<p>South Yorkshire Sustainability Centre The South Yorkshire Sustainability Centre (SYSC) is connecting research together to realise a just and sustainable future for the communities, places and businesses of South Yorkshire. It is a partnership that includes the University of Sheffield, Sheffield Hallam University and the South Yorkshire Mayoral Combined Authority.</p> <p>The Centre will strengthen existing and develop new partnerships, enabling knowledge and ideas to flow freely between academia, business and other sectors whilst engaging policymakers and the public with research and innovation.</p> <p>The Centre’s work takes place within the context of the whole system, balancing environmental, economic and social factors. The results contribute data-driven and evidence-based solutions to the region’s sustainability challenges. This novel approach connects research together with policy ambition, which acts as a catalyst to drive forward sustainability and provide a regional platform for the exchange of knowledge that informs change.</p>

	<p>For more information, please visit: South Yorkshire Sustainability Centre Sustainability Centre The University of Sheffield</p>
<p>University of Surrey £370,000</p>	<p>Harnessing Small to Medium Enterprise: a new model for SME industry-funded PhD studentships</p> <p>Industry-focused PhD studentships create an opportunity to develop doctoral-level research skills and knowledge that industry needs. However, entry barriers for small & medium enterprises (SMEs) can be high. The project introduces a new model for SMEs-led collaborative doctoral level research and training across engineering and physical sciences. It aims to:</p> <ul style="list-style-type: none"> • Lower pre-competitive research risks for SMEs • Address the affordability to SMEs of research in HEIs through co-funding • Introduce SMEs to academic networks promoting knowledge exchange • Provide SMEs with early engagement with postgraduate students thereby helping them overcome recruitment challenges. <p>For more information please see: www.sepnet.ac.uk/sme-dtn/</p>
<p>University of York £4,114,269</p>	<p>Research SuperVision Project (RSVP)</p> <p>The principal aim of the RSVP is to enhance doctoral supervisory practice and widen the pool of confident, trained supervisors able to support an inclusive culture and the next generation of researchers. Achieving this requires exploration of factors that enable or impede excellence; curation of knowledge and co-creation of tools to enrich practice and culture change. The four core project aims are to explore:</p> <ol style="list-style-type: none"> 1) The role of team supervision: RSVP will explore if and how team supervision can enhance PGR experience, reduce the burden on individual supervisors and reduce the negative impact of what can be a powerful 1-1 relationship. 2) Supervision practice in different disciplines: the project will explore how supervision between STEM subjects and Arts and Humanities differs and what support and CPD is needed. 3) Supervising different types of research degree: the project will explore how supervision of professional, practice-led and performance-based doctorates and PhDs and PhD by publication differ from traditional research degrees. 4) Understanding and combating poor supervision practice: Working with change makers in a range of institutions and with Directors of DTPs, the RSVP will identify how doctoral supervision goes wrong, the impact this has on the PGR experience, and effective routes to redressing poor performance. RSVP will co-create a framework for effective supervisory practice & develop 'Guidelines for the Management of Supervision Practice that can be used by HEIs and funders to set expectations and evaluate provision.

University of York £4,899,000	<p>The Screen Industries Growth Network (SIGN)</p> <p>The aim of SIGN is to enhance the competitiveness of and future-proof the screen industries in Yorkshire and Humber through a collaborative, business-facing partnership comprising HE providers working with key local and sector specific stakeholders. The project will establish a city-centre innovation hub and focusses development around four themes:</p> <ul style="list-style-type: none"> • Diversity and Inclusion • Research • Knowledge Exchange and Innovation • Skills, Training and Development
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Past projects:

Coventry University	Community-led Open Publication Infrastructures for Monographs (COPIM)	£2,202,947
Cranfield University	Higher education (HE) sector - strategic import controls training	£224,800
King's College London	Delivering Increased Wealth and Improving Health; a Unified Place-Based Approach	£1,920,000
Newcastle University		£2,699,000
London Business School	The Newton Venture Program	£2,541,292
University of Cambridge	TenU-RE: US-UK university tech transfer good practice sharing and policy contribution	£260,500
University of Cambridge	TenU Future Leaders Fellowship	£59,600
University of Liverpool	Enhancing first-time postdoctoral career development and success	£3,630,250
University of Northumbria	Purposeful Healthcare Growth Accelerator	£361,854
University of Oxford	Creative Destruction Lab	£2,647,400
University of Oxford	Oxford UIDP summit	£20,000