

List of RED Fund projects

Lead Provider	Project title	Funding
Coventry University	Community-led Open Publication Infrastructures for Monographs (COPIM)	£2,202,947
King's College London	Delivering Increased Wealth and Improving Health; a Unified Place-Based Approach	£1,920,000
Newcastle University		£2,699,000
University of Birmingham	The West-Midlands Regional Economic Development Institute (WM-REDI) @ The Exchange	£4,913,977
University of Liverpool	Enhancing first-time postdoctoral career development and success	£3,630,250
University of Nottingham	TALENT: Advancing status and opportunity for the technical community in UK higher education	£3,048,451
University of Oxford	Creative Destruction Lab	£2,647,400
University of Oxford	Oxford UIDP Summit 2019	£20,000
University of Plymouth	Cyber-SHIP Lab	£1,682,001

Project summaries

Lead provider and total project funding	Summary of project
University of Birmingham £4,913,977	<p>The West-Midlands Regional Economic Development Institute (WM-REDI) @ The Exchange</p> <p>The project will establish the 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>King's College London £1,920,000</p> <p>Newcastle University £2,699,000</p>	<p>Delivering Increased Wealth and Improving Health; a Unified Place-Based Approach</p> <p>The project aims to catalyse a significant step-change in the work of two cluster organisations hosted by Newcastle and King's respectively - namely the Northern Health Science Alliance (NHSa) and MedCity. These organisations will scale up activities, building upon current programmes of work, and bring new activities and initiatives forward that supports collaboration between higher education, industry and the NHS. The projects have a strong emphasis on developing a nationally coordinated approach to international outreach in life sciences, and a coordinated response to Industrial Strategy priorities to drive economic growth within the life sciences ecosystem.</p>
<p>University of Plymouth £1,682,001</p>	<p>Cyber-SHIP Lab</p> <p>The primary objective of this project is to deliver a functioning maritime-cyber lab to research 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 Oxford £2,647,400</p>	<p>Creative Destruction Lab</p> <p>The Creative Destruction Lab (CDL) programme brings to the UK a proven North American model for accelerating deep-science start-up companies. CDL will initially focus on artificial intelligence, which is a priority issue for the UK, also an area of strength that both the host institution (Oxford University), and the partner universities (esp. University of Toronto). Support from the RED Fund will enable CDL to significantly expand its reach to address further challenges prioritised within the UK Government's Industrial Strategy, as well as the economic recovery challenges posed by the Covid-19 crisis. Specifically, CDL brings together start-ups (most of which are founded by academics, students, and recent alumni), scientists (from a variety of academic disciplines), and experienced industry mentors (especially seasoned entrepreneurs and investors). Hosted at Oxford, a RED Fund supported CDL will benefit the entire UK through its inclusive approach of convening start-ups, scientists, and mentors from across the UK. In addition, it will draw on international expertise, especially from North America.</p>

University of Oxford	Oxford UIDP Summit 2019
£20,000	The UIDP summit brought together key influencers in US and European universities, companies and policy makers to explore better ways of working together to enhance commercialisation policy and practices.
University of Liverpool £3,630,250	<p>Enhancing first-time postdoctoral career development and success</p> <p>Prosper is aimed at opening up the talent pool that exists within the postdoctoral research community, to the benefit of PDRs themselves, employers and the wider UK economy. The four key aims of Prosper are to:</p> <ol style="list-style-type: none"> 1. Co-create, with employers, and a broad stakeholder group the Prosper model to transform the development of PDR talent, maximising their career options and their value to potential employers. 2. Develop principal investigators (PIs) in recognition of their key role as research leaders, in supporting PDRs and helping to shape their future development and career pathways. 3. Democratise access of first-time PDRs to the Prosper model by creating flexible, innovative modes of development that respond to the diversity and complexity of the PDR community. 4. Ensure roll-out and continuing development of the Prosper model across the HEI sector by involving N8 partners in the co-creation and piloting of the model. It is intended that the Prosper model will be subsequently opening up to universities across the UK in 2023.
Coventry University £2,202,947	<p>Community-led Open Publication Infrastructures for Monographs (COPIM)</p> <p>COPIM addresses the key technological, structural, and organisational hurdles which are standing in the way of the wider adoption and impact of Open Access (OA) books – this includes issues related to funding, production, dissemination, discovery, reuse, and archiving. COPIM will develop modular components to support the sustainable publication of OA books:</p> <ol style="list-style-type: none"> 1. Infrastructures, including a fully functional consortial library funding platform, and an Open Dissemination System for the integration of OA books into discovery systems; 2. Business models, including an online toolkit and two pilot cases (with existing OA publishers and publishers wanting to transition to OA monographs); 3. Governance processes, including community-approved best practices for the governance of collectively-owned open source infrastructures and OA presses; 4. Strategies to promote OA book content discovery, interaction, and reuse as well as the development of and interaction with emergent genres of scholarship; 5. Preservation structures for the archiving of complex OA books; 6. Outreach programs including extensive knowledge exchange activities with a range of HE and publishing stakeholder partners.

<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</p> <p>The project will lead and influence change to advance the status and opportunities for technical skills, roles and careers in UK higher education. 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> <ol style="list-style-type: none">1. Understand future requirements for skilled technicians in the UK higher education sector.2. 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.3. 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.
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