



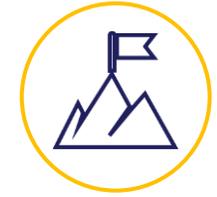
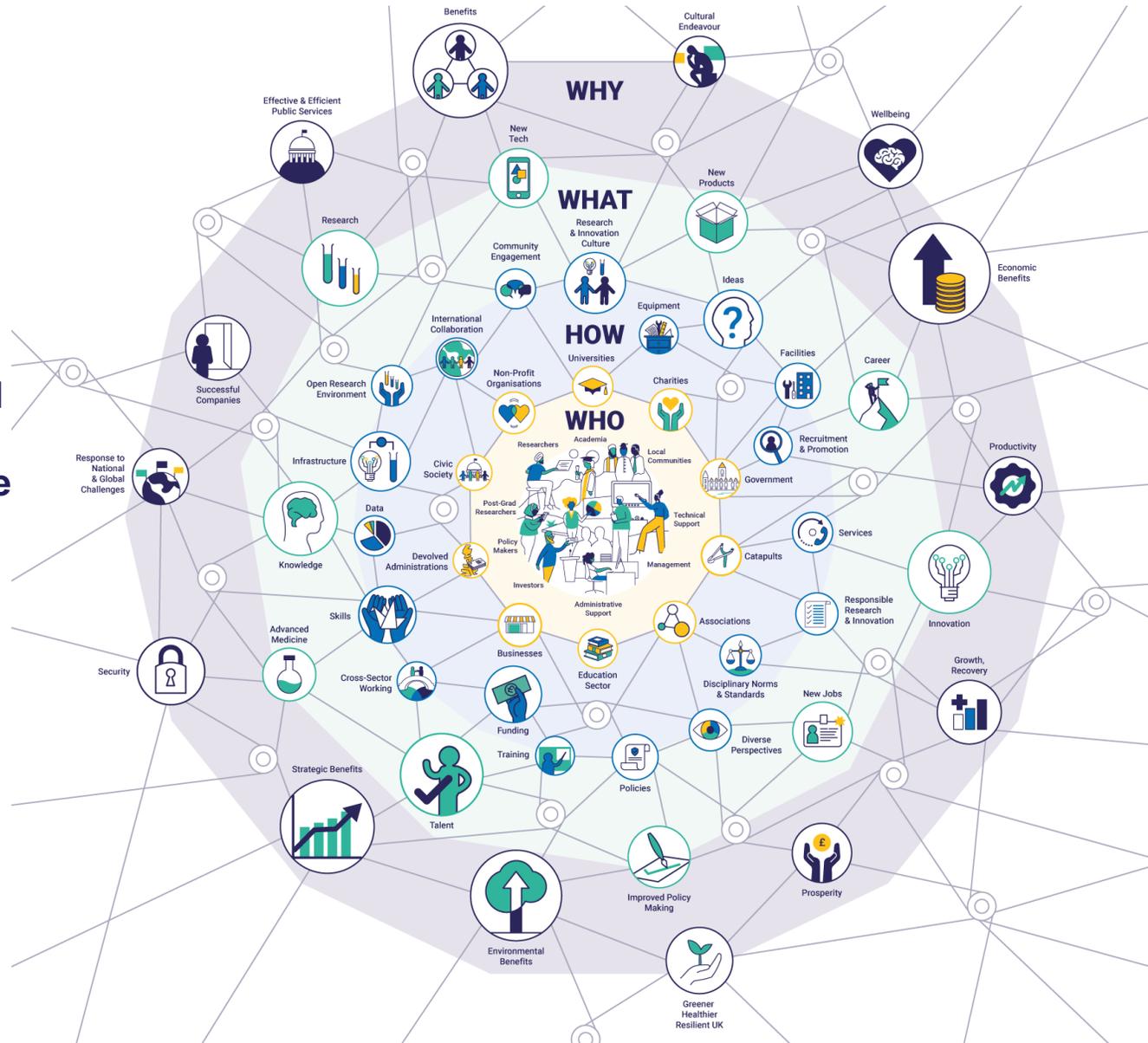
Biotechnology and  
Biological Sciences  
Research Council

## **BBSRC – *Investing in innovation***

# UKRI vision and mission



Our **vision** is for an outstanding research and innovation system in the UK that gives everyone the opportunity to contribute and to benefit, enriching lives locally, nationally and internationally.



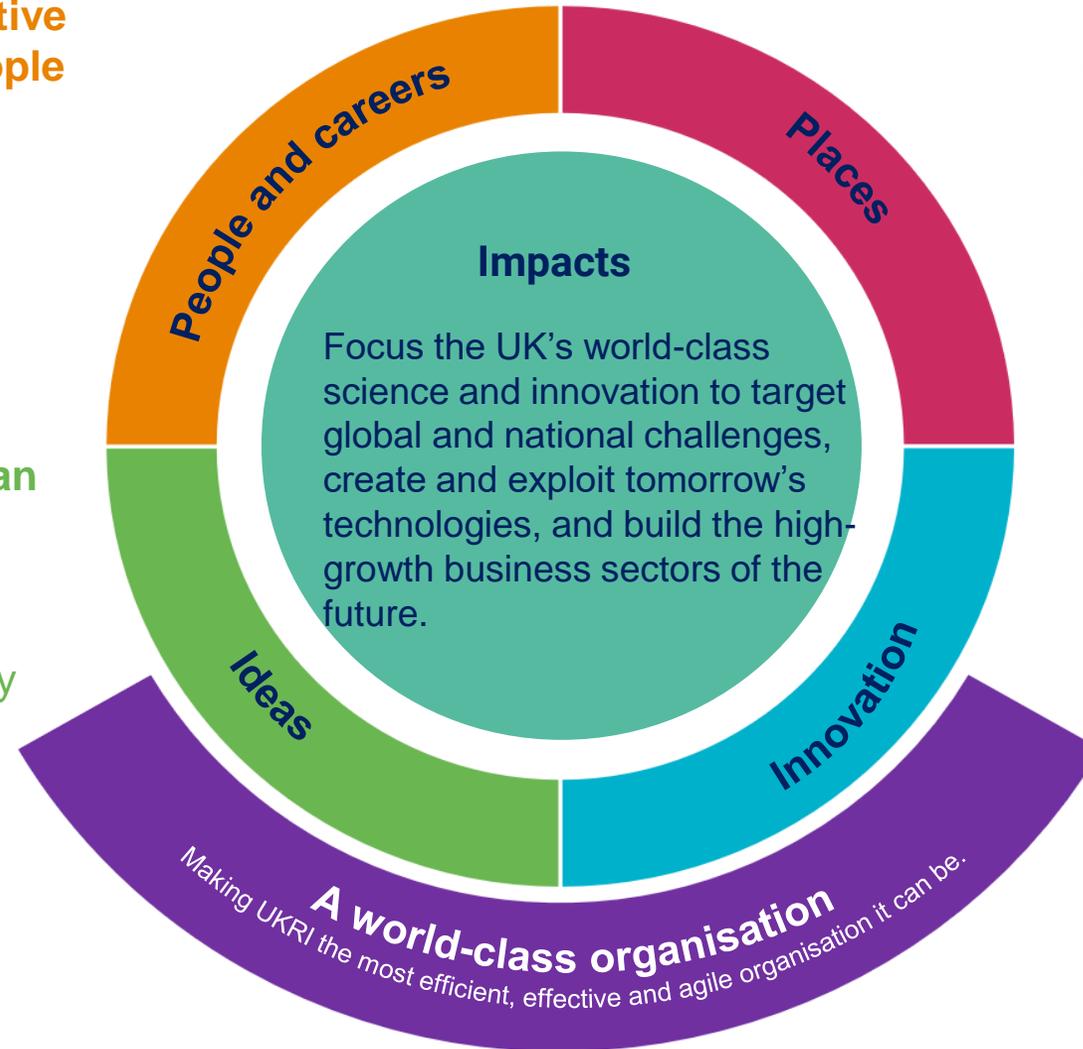
Our **mission** is to convene, catalyse and invest in close collaboration with others to build a thriving inclusive research and innovation system that connects discovery to prosperity and public good.

# UKRI Strategy – 2022-2027 - Our strategic objectives

Provide the framework for how we will achieve our vision and realise our principles through world-class:

Make the UK the most **attractive destination for talented people** and teams from the UK and around the world.

**Advance the frontiers of human knowledge and innovation** by enabling the UK to seize opportunities from emerging research trends, multidisciplinary approaches and new concepts and markets.

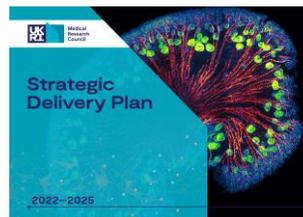
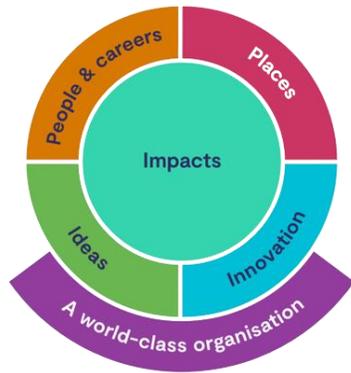


Secure the **UK's position as a globally leading research and innovation nation** with outstanding institutions, infrastructures, sectors and clusters across the breadth of the country.

Deliver the **government's vision for the UK as an innovation nation**, through concerted action of Innovate UK and wider UKRI.



# Our corporate publications



**UKRI Corporate Plan –**  
annual £7.9bn budget

**SR £25.1bn over 3 years**  
- first multi-year settlement  
for UKRI

**14% overall increase** in  
our budget; rising annually  
from £7,785m (2022/23) to  
£8,874m (2024/25)

# Overview



- BBSRC invests around **£500m p.a.** in **world-class bioscience research in universities and 8 strategic institutes** that provide **national capability in bioscience**
- to deliver **new knowledge and discoveries** that will offer **biobased solutions to major challenges** facing the world, including climate change, sustainable food production, and healthy ageing
- We **work and invest in partnership with researchers, innovators and businesses to support knowledge exchange, translation, commercialisation** to build an environment that allows bioscience innovation to flourish
- We recognise that **bioscience can bring benefit to businesses across a range of sectors of the economy**, to realise this benefit **requires effective working with business** (BBSRC directly and opportunities for collaboration between the academic research base and business)
- Also supporting the **people, talent and skills needs of the bioscience research base and wider economy**

## 8 BBSRC-supported Research Institutes

Providing **national capability/expertise** in strategically important areas: sustainable agriculture, plant & crop science, animal health, food & nutrition, healthy ageing, advanced genomics and bioinformatics

At the core of research and innovation campuses

BBSRC Institute Strategy centres on **Capability, Connectivity & Culture**



# BBSRC: Impacts - our strategic themes

**Transformative technologies**



**Developing the tools, technologies and approaches that enable researchers to push the boundaries of scientific discovery and stimulate innovation.**

**Sustainable agriculture and food**



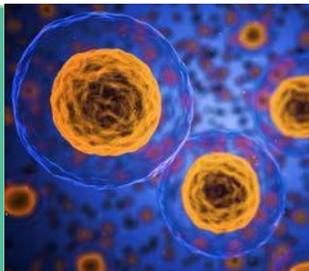
**Transforming food systems to deliver positive nutritional, health and environmental outcomes.**

**Advanced manufacturing and clean growth**



**Reducing reliance on fossil chemical feedstocks and fossil-fuel derived processes.**

**An integrated understanding of health**



**Improving human and animal health and wellbeing across the lifecourse and tackling the threat of infectious disease.**

# BBSRC Strategic Delivery Plan 2022-25

*Our vision: To advance the frontiers of biology and drive towards a healthy, prosperous and sustainable future*

Describes how we will work towards our vision and contribute to delivery of the overall UKRI Strategy

Long-term ambitions together with the specific actions for FY2022-23, 2023-24 and 2024-25





# Strategic Delivery Plan

## Objective 4: World-class innovation

2022–2025

### We will:

- work and co-invest at least £11 million with Innovate UK, government and the research and innovation community to establish the Diet and Health Open Innovation Research Club helping to inform and support national strategy and policy.
- working with Innovate UK, jointly invest at least £20 million in capacity building, research, innovation and business-led commercialisation to help develop alternative, more sustainable protein sources.
- catalyse collaboration with industry to achieve breakthrough innovation in biofilm science and technology, co-investing up to £7.5 million over five years with Innovate UK to implement Phase Two of the National Biofilms Innovation Centre.
- develop and launch a strategic investment of up to £14 million with Innovate UK and the Engineering and Physical Sciences Research Council (EPSRC) to enable businesses, academic researchers and other stakeholders to catalyse and expand research, innovation, and commercialisation in sustainable biomanufacturing across the UK.
- establish an £11 million BBSRC Prosperity Partnership pilot to enable the development and growth of long-term, strategic collaborative partnerships between businesses and academic researchers in bioscience and biotechnology.
- invest at least £6 million in research and innovation-driven solutions to tackle endemic

### National Biofilms Innovation Centre

The National Biofilms Innovation Centre is the largest knowledge exchange consortium of its kind, catalysing collaboration with industry in the study of biofilms to achieve breakthrough innovation across diverse industries and sectors. In less than five years the centre has attracted £26 million of additional public and private funding.

The centre is part of the UK Biofilms Programme, in which BBSRC and Innovate UK have jointly invested more than £20 million over several years, leveraging millions of pounds of private sector investment in R&D. This is one example of how BBSRC and Innovate UK work closely together and with businesses to support innovation in UK bioscience, build connections across the innovation ecosystem and stimulate private sector co-investment.

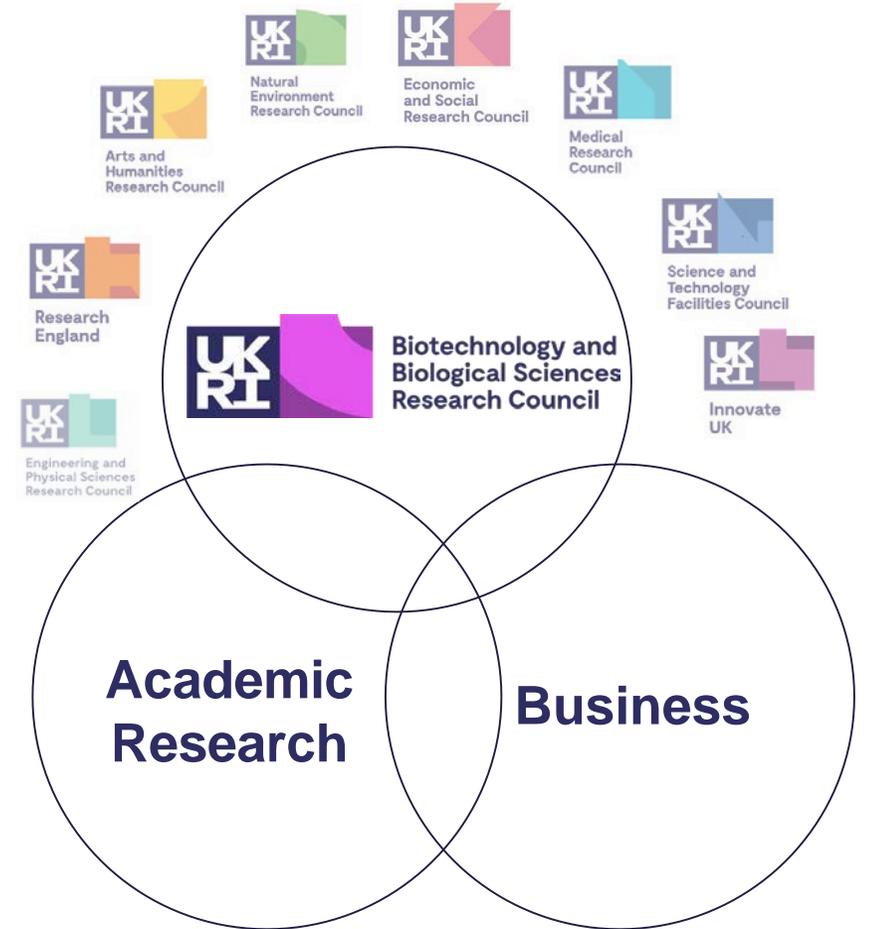
diseases in livestock, in collaboration with businesses, Department for Environment, Food and Rural Affairs (Defra), and the devolved administrations.

- strategically partner with Innovate UK to explore and create a future programme of collaboration and co-investment in mutual priority areas, with an initial focus on microbial communities.

# BBSRC working with businesses

*Delivering impact from bioscience discovery requires effective working with businesses*

- **Strengthen our partnerships** with businesses, and engage them in helping to **inform, shape and promote national strategy and policy** across BBSRC, UKRI and UK Government.
- Connecting **businesses to world-leading bioscience expertise and facilities** across the UK
- Partnering with businesses to design and invest together in **strategic collaborative R&D programmes** with the bioscience research base
- Working with **businesses to nurture talent and meet diverse skills needs**





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**Thank you**

