



# Strategic Update and Opportunities from the EPSRC

Dr Jakob Sprickerhof

Portfolio Manager: Built Environment, Infrastructure and Urban Systems

EPSRC



# EPSRC's Delivery Plan

## Productive

Creative,  
innovative,  
competitive  
economy

- Disruptive technologies
- Digital transformation
- Circular economy

## Connected

Surviving and  
thriving in a  
digital world

- Data driven economy
- Internet of things
- Safety and cyber security

## Resilient

Adaptive,  
prepared,  
sustainable

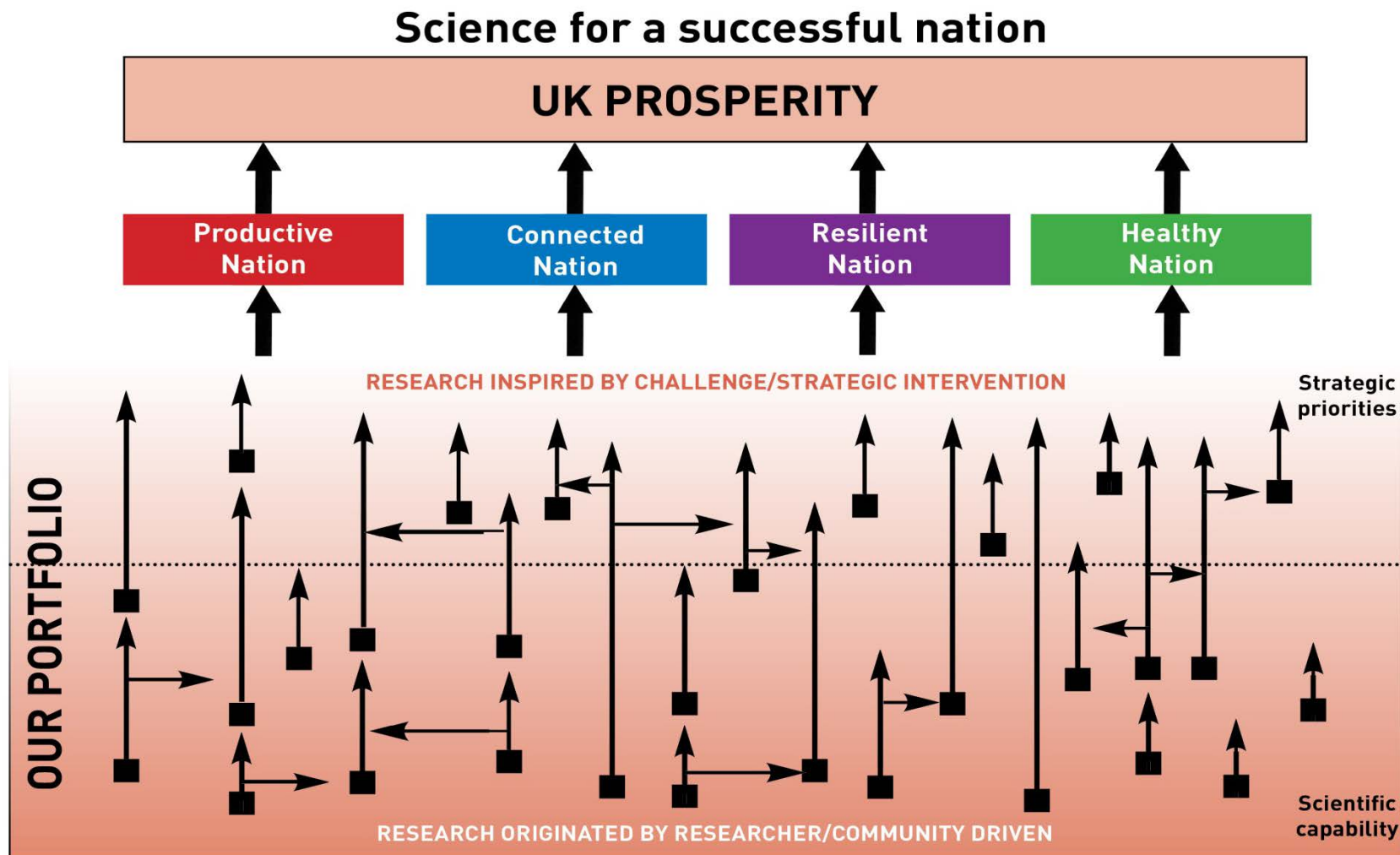
- Energy security and efficiency
- Reliable infrastructure
- Solutions to acute threats

## Healthy

Improved  
quality of life  
through better  
mental &  
physical health

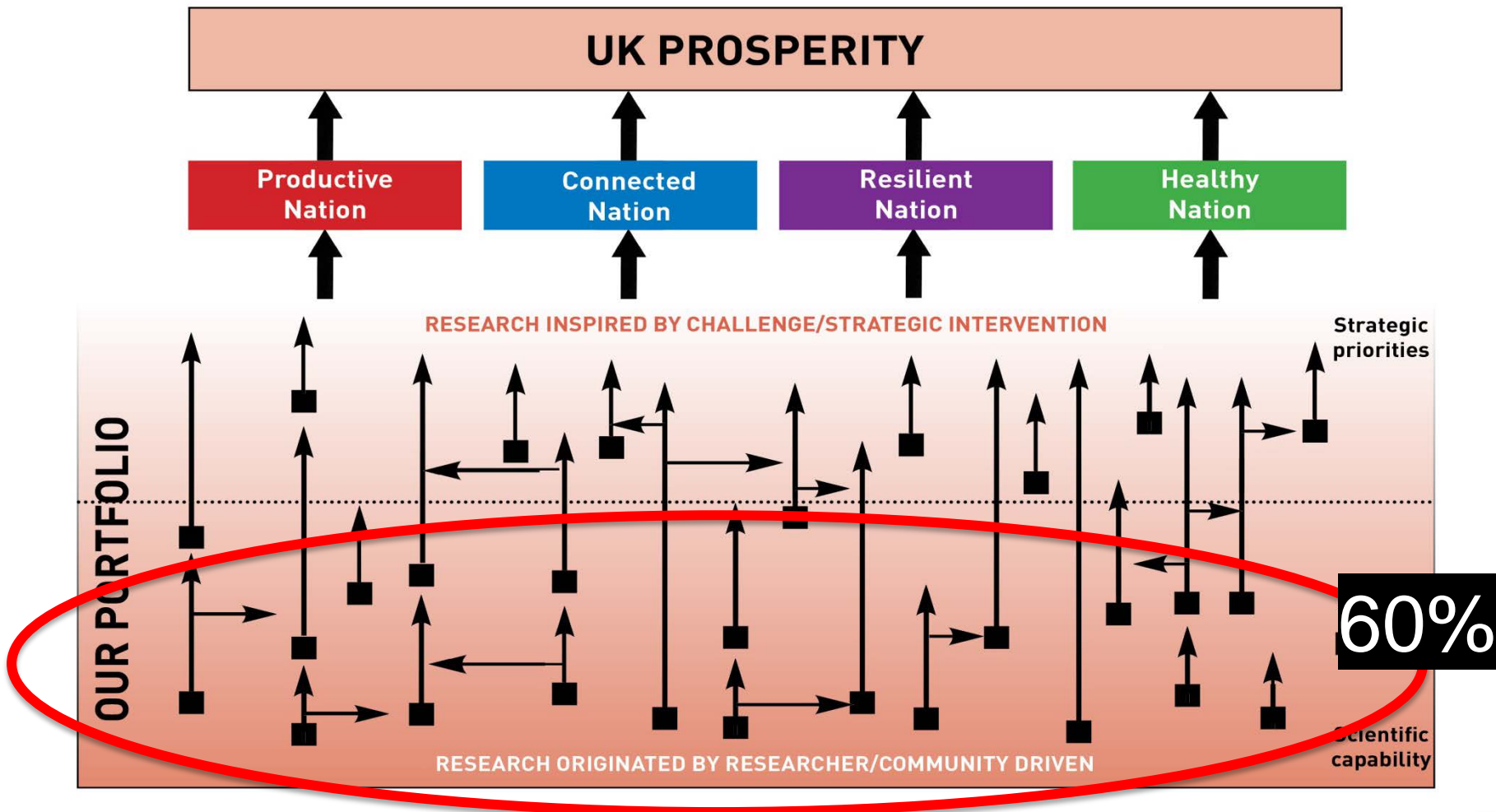
- community health & care
- prevention and public health

# Delivery Plan Framework



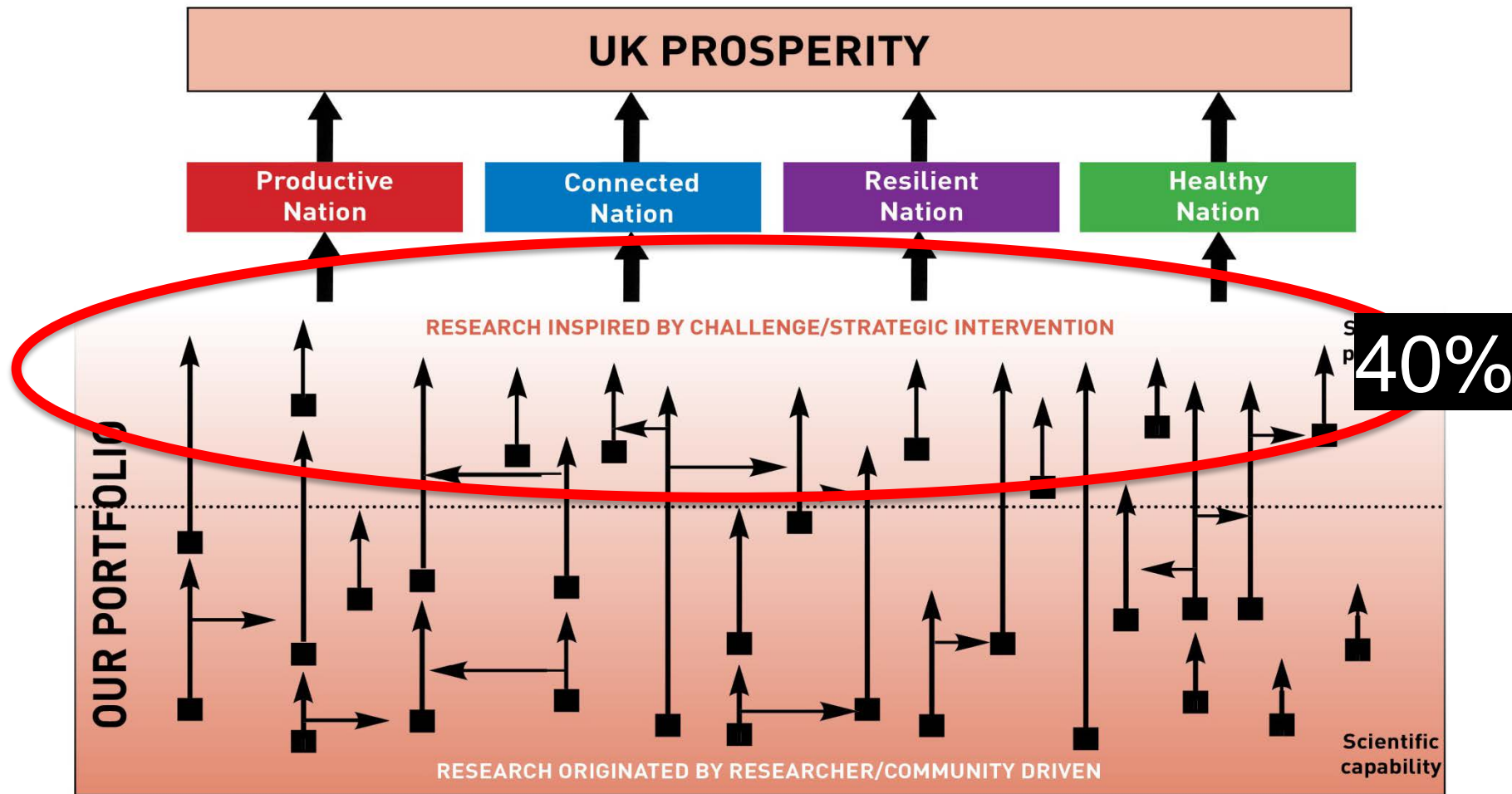
# Delivery Plan Framework

## Science for a successful nation



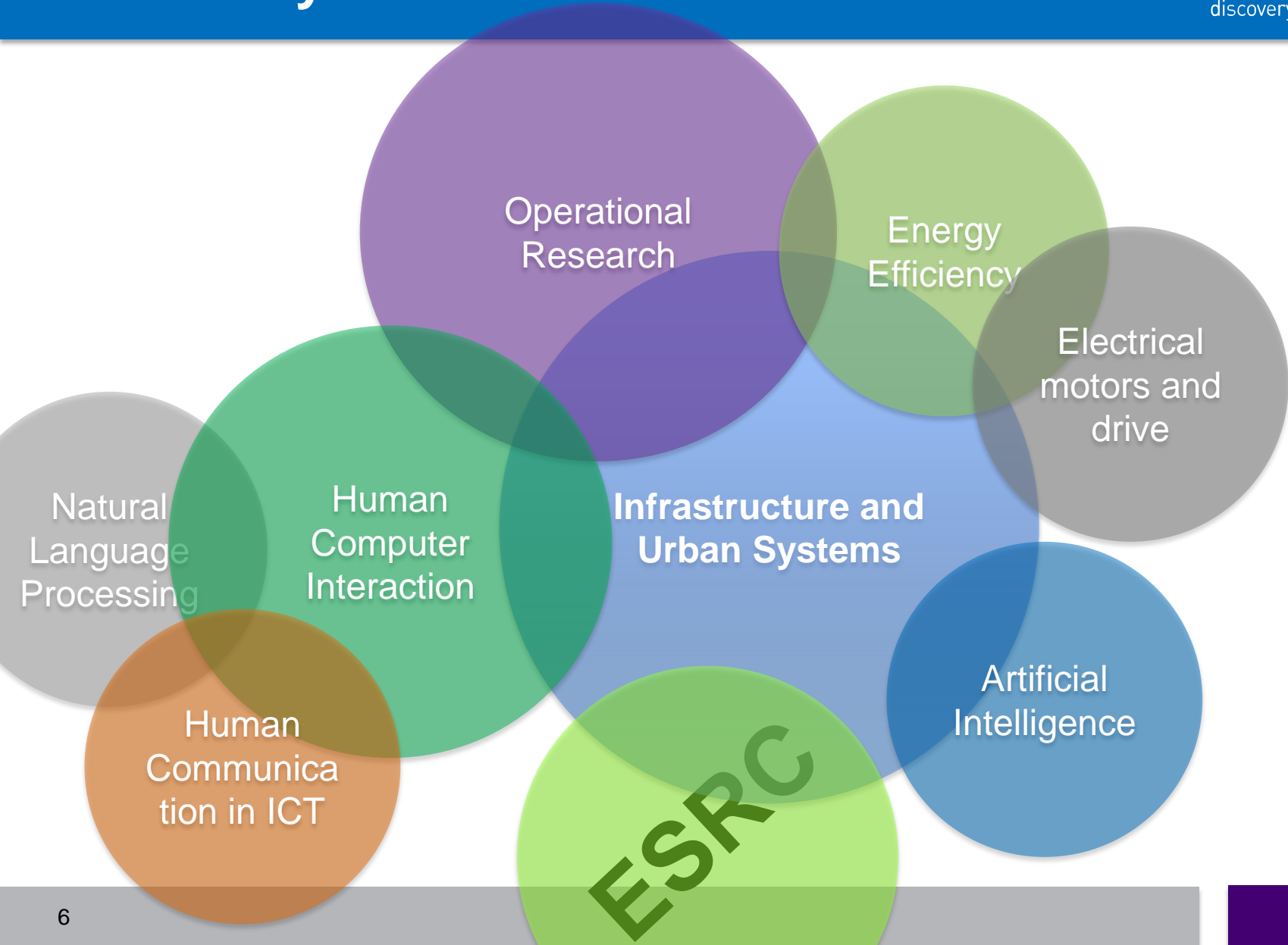
# Delivery Plan Framework

## Science for a successful nation





# Mobility across the EPSRC



# Engineering in the new delivery plan



# Engineering in the new delivery plan

## Strategic Research

- **Robotics** - strategy development and targeted investments
- **Systems Engineering** – aim to explore the novel challenges in Systems Engineering and understand the contribution this area of research makes to Engineering portfolio.
- **Capital Roadmap** - Aim to create a community-informed engineering capital roadmap that horizon-scans the subject areas where leading-edge equipment can facilitate high quality research
- **Grand Challenges** – develop risk and resilience consortia and explore opportunities for future challenges.
- Use advisory streams to determine emerging areas and long-term research initiatives



# Engineering in the new delivery plan

## International Agenda

- Facilitate '**best with best**' partnerships in domain areas (e.g. Water Quality activity with NERC and DST-India)
- Respond to opportunities in the **Official Development Assistance** space (e.g. GCRF)
- Support **lead agency agreement** with NSF-CBET (USA)

# Upcoming influences on the research landscape

## Political



**Research  
Councils  
Reform**



**Brexit**



**Industrial  
Strategy**



**National  
Productivity  
Investment  
Fund**



## Funding

**Global  
Challenges  
Research  
Fund**



**Large  
Institutes  
& Projects**



**BEIS Grants  
Funding  
Delivery  
Project**



# Current influences on the research landscape

## *Cutting edge research which addresses the problems faced by developing countries*

- ❑ Address global challenges through disciplinary and interdisciplinary research
- ❑ Strengthening capability for research and innovation, within both UK and developing countries
- ❑ Agile response to emergencies and opportunities

## Funding

Global  
Challenges  
Research  
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Large  
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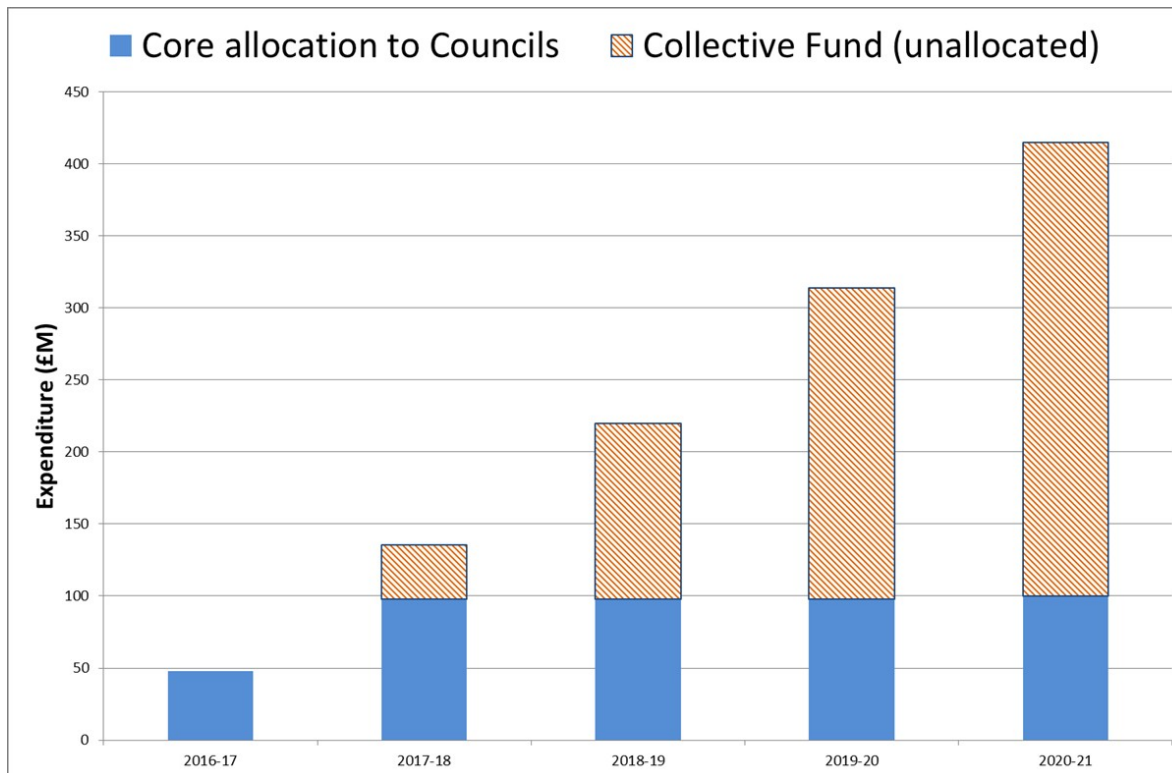


BEIS Grants  
Funding  
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# Current influences on the research landscape

## Funding



Global  
Challenges  
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Large  
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BEIS Grants  
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## **National Productivity Investment Fund**

### **Autumn Statement – 23 November 2016**

...investing an **extra £2 billion a year** by the end of this Parliament to help put post-Brexit Britain at the cutting edge of science and tech”.

→ **National Productivity Investment Fund**

### **Industrial Strategy Challenge Fund:**

- a new cross-disciplinary fund to support collaborations between business and the UK’s science base that will set identifiable challenges for UK researchers to tackle.
- **Take the opportunity to comment on the Green Paper (Jan 2017)**

Two-day workshops to engage with a representative cross-section of the Engineering community to share EPSRC's strategy for the Delivery Plan 2016/17-2019/20 and discuss implementation in the context of theme strategy

- ■ ■ Birmingham 13 - 14<sup>th</sup> March 2017
- ■ ■ London 19 - 20<sup>th</sup> April 2017
- ■ ■ Edinburgh 24 - 25<sup>th</sup> May 2017



Open to all academic researchers, although space is limited.

Expressions of Interest (Eoi) to attend should be completed by **31 January 2017**.

<https://www.epsrc.ac.uk/newsevents/events/>

EPSRC will use this Eoi to select attendees and ensure a diverse representation at these events.

