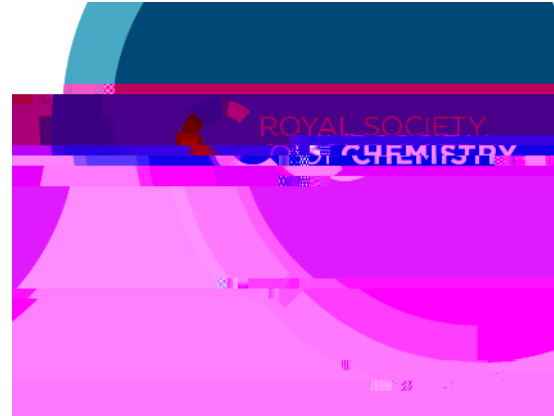


# Briefing



We call on the UK government to:

1. Set out the pathway to the government's target for increased public investment in R&D
2. Use evidence from researchers to deliver fit-for-purpose R&D funding that brings solutions to global challenges and economic and social prosperity.
3. Work across departments to retain the people with the knowledge and skills that will enable a green economic recovery

## 2. Use evidence from researchers to deliver fit-for-purpose R&D funding that brings solutions to global challenges and economic and social prosperity.

Evidence on and the experience of chemists across the UK underpins our work. This can inform effective design of funding approaches to deliver breakthroughs, innovations and economic and social prosperity.

The government's Research and Development Roadmap is

.<sup>2</sup> Our community has already been providing the evidence and insights on what actions need to be taken to deliver R&D funding that will foster breakthroughs, create productive international partnerships and ensure that R&D can be part of the government's ambition to 'level up' across the UK.

Initiate new funding streams using evidence and expertise from the community

Channel the collective expertise of the research community to define 'UK ARPA' programmes.

We heard from researchers in that US that the research community is involved extensively in setting the direction of research early in the development process for ARPA calls, involving different sectors and fields focussed towards a specific challenge. They also shared that complementary funding for basic research is part of the wider system that enables the success of the ARPAE and DARPA models. A key question for government to answer is where and how UK ARPA will 'fit' in the wider R&D system, including in the context of the ambitions set out in the R&D Roadmap. The government needs to consider a more thorough mapping of the UK research funding landscape to inform plans for the new agency.<sup>3</sup>

### 3. Work across departments to retain the people with the knowledge and skills that will enable a green economic recovery

People are the cornerstone of delivering the UK's R&D ambitions. Supporting people through joined-up policy levers enables effective diffusion of their knowledge and skills, benefitting individuals and society.

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