



# UK Business R&D is highly concentrated

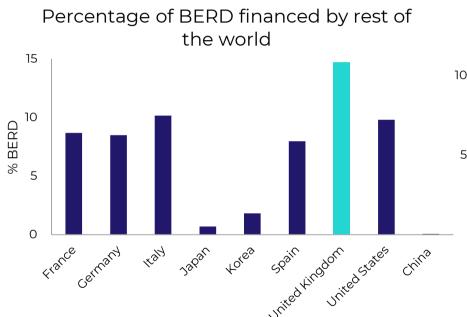
Enterprise groups	% total business R&D expenditure	Expenditure (million £)
Тор 5	17%	£4,431
Top 10	23%	£5,862
Top 15	27%	£6,883
Top 20	30%	£7,843
Top 50	40%	£10,470
Top 100	47%	£12,197

Source: ONS (2021) <u>Expenditure and employment on R&D performed in UK businesses: top 100 enterprise groups, 2019</u>.

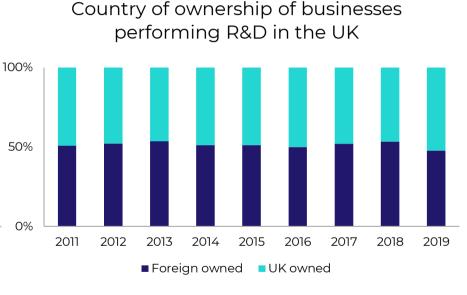
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## UK Business R&D is highly internationalised



Source: OECD (2021) Main Science and Technology Indicators.



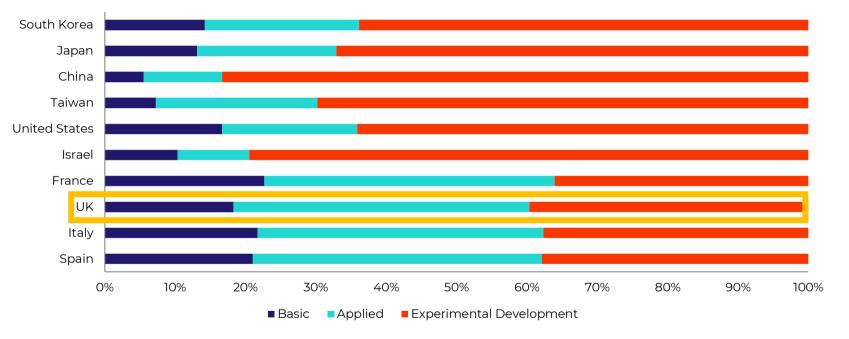
Source: ONS (2021) Expenditure and employment on R&D performed in UK businesses: by country of ownership of businesses performing R&D, 2008 to 2019.

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### The UK invests less in development than competitors

Gross R&D expenditure by Frascati type of research activity - 2018



Source: OECD (2021) <u>Gross domestic expenditure on R&D by sector of performance and type of R&D</u>.

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# Business perspectives on the UK as a location for R&D

Building on strengths	Action needed	
Engineering workforce	Late-stage development and demonstrators	
Innovation funding	Public procurement	
Non-financial innovation support	Joined-up government approach	
Collaboration with universities	Ownership and financial structures	
Collaboration between businesses	Innovation in engineering services	
Tax incentives	Innovation across sectors	

Source: Royal Academy of Engineering (2018) <u>Increasing</u> <u>R&D investment: business perspectives</u>.

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#### Policy lever mapping for deep tech scale-up companies

