

Aligning public and private sector to drive growth

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Investment

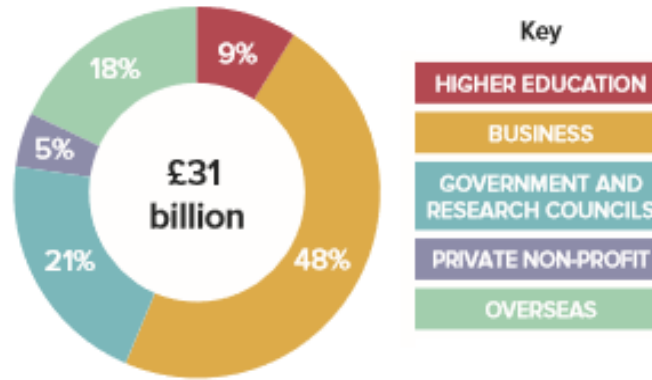
Combined spend on R&D²

- OECD average: 2.4% of GDP
- UK: 1.68% of GDP



3 per cent

Who invests in UK R&D? (2014 data)



Note that figures are rounded.

Pharmaceuticals is consistently the top R&D performing sector.⁴

Return on investment³

- For every £1 public R&D spend, private sector R&D output rises by 20p/year in perpetuity.

A 'Fresh Case' for investment

- Economic impact
- Social impact

Funding for strategic advantage

- Industrial Strategy Challenge Fund
- Healthcare and Medicine

¹ The role of EU funding in UK research and innovation, Technopolis Group, 2007

² OECD (2015). Main science and technology indicators www.oecd.org/sti/msti.html

³ Haskel, Hughes, Bascavusoglu-Moreau (2014) The Economic Significance of the UK Science Base

⁴ <https://www.ons.gov.uk/economy>

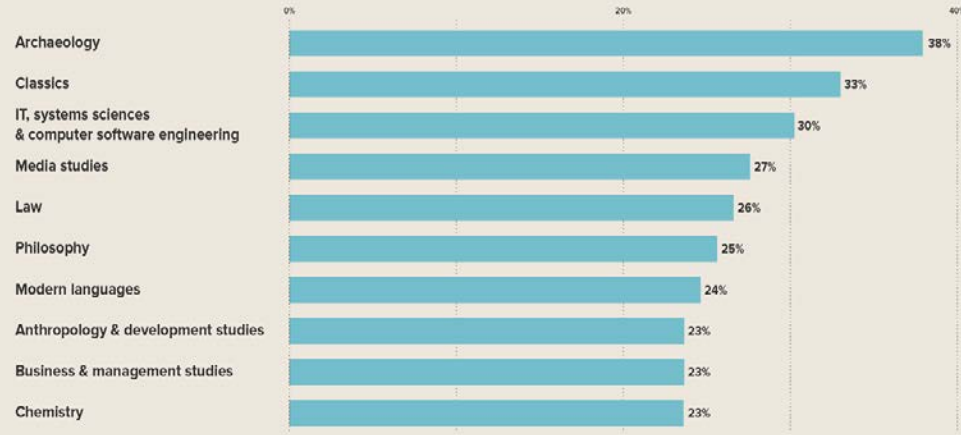
The ten disciplines that recorded the most funding from EU government bodies in their research grants and contracts income in 2014/15



Income from EU government bodies includes all research grants and contracts income from all government bodies operating in the EU, which includes the European Commission, but excludes bodies in the UK.

Source: HESA

The ten disciplines that recorded the most funding from EU government bodies as a proportion of their total research grants and contracts income in 2014/15



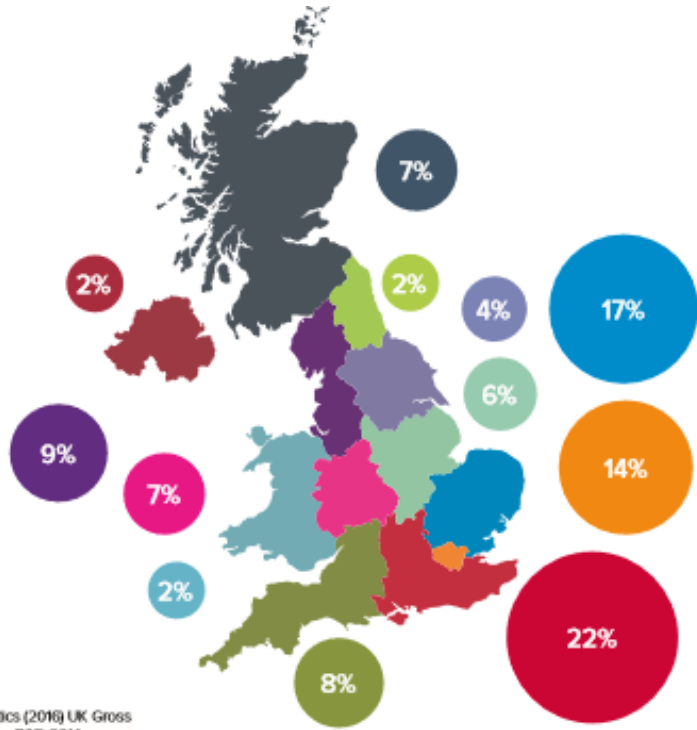
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Source: HESA

EU R&D funding¹

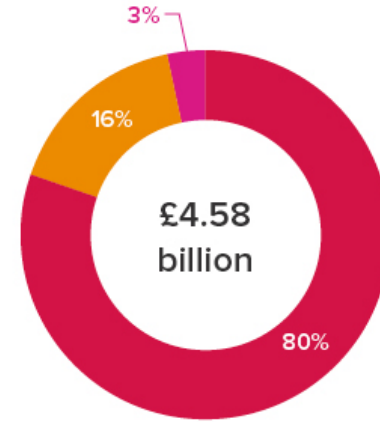
- UK SMEs: 16.9%
- UK large businesses: 0.3%

Place

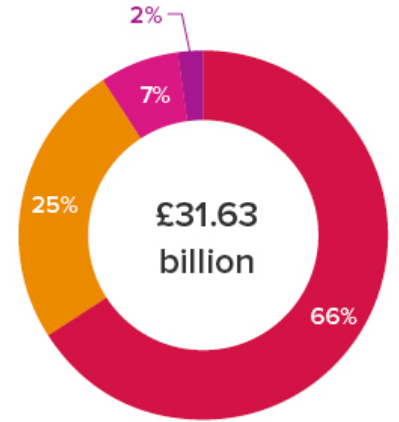


Office of National Statistics (2016) UK Gross Domestic Expenditure on R&D 2014.

R&D in the East and West Midlands*



R&D in the UK as a whole



● Business ● Higher education ● Government and Research Councils ● Private non-profit

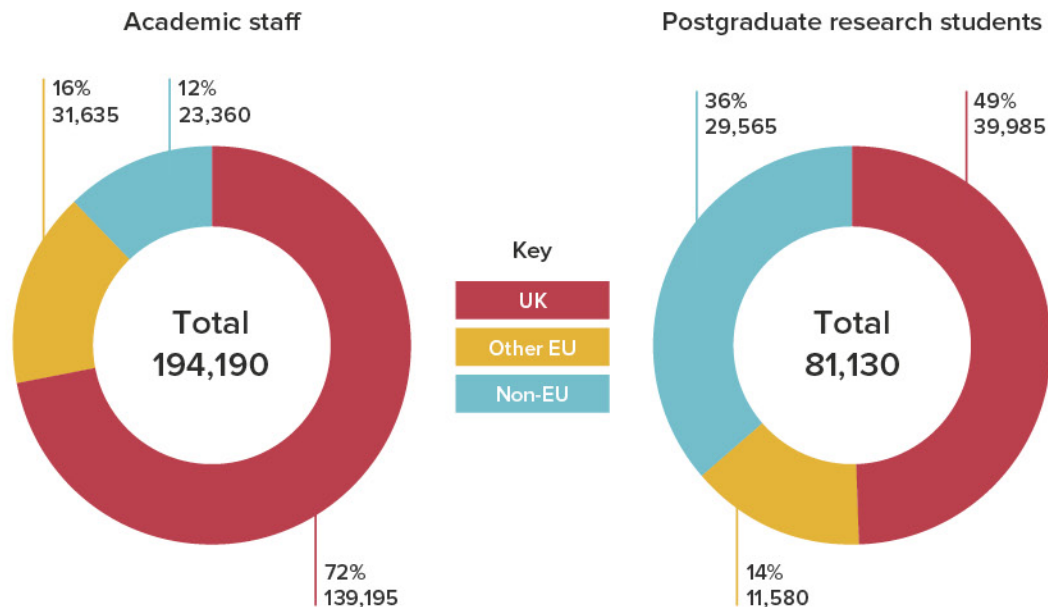
Please note that figures are rounded.

Source: Office of National Statistics (2017) UK Gross domestic expenditure on research and development 2015.

*In 2015 ONS data for East and West Midlands were combined for confidentiality.

UK research is international

UK-based researchers come from around the world, and work with people across the globe.



Source: Higher Education Statistics Agency (see <https://www.hesa.ac.uk/stats>, accessed 22 March 2016). Note that figures are rounded.

The UK was the largest recipient of foreign direct investment in R&D in Europe in 2014¹.

In 2015 **over half of the UK's research output** was the result of an international collaboration and these collaborations are increasing².

Nearly **72% of UK-based researchers** spent time at non-UK institutions between 1996 and 2012³.

1. EY (2016) *European attractiveness survey 2015 – Comeback time*.
2. Elsevier (2013) *International comparative performance of the UK research base, 2013*.
3. Elsevier (2013) *International comparative performance of the UK research base, 2013*.

Any questions?