

The Russell Group of universities

Horizon 2020

The contribution of world-class research-intensive universities to
turning ideas into jobs, growth and progress

Dr Jennifer Barnes
Pro-Vice-Chancellor for International Strategy
University of Cambridge

www.russellgroup.ac.uk

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Europe's world-class universities are crucial to European long term growth and jobs.

The success of Horizon 2020 depends on the strong participation of Europe's research-intensive universities.

We all need to achieve growth, address social challenges, and strengthen the EU's global position. We bring together research, innovation and education and develop the next generation of researchers to build excellence across Europe.

Why prioritise investment in Horizon 2020?

Why does excellence matter?

How can Horizon 2020 benefit all Europeans?

Why does simplification matter?

We look forward to playing our part ...

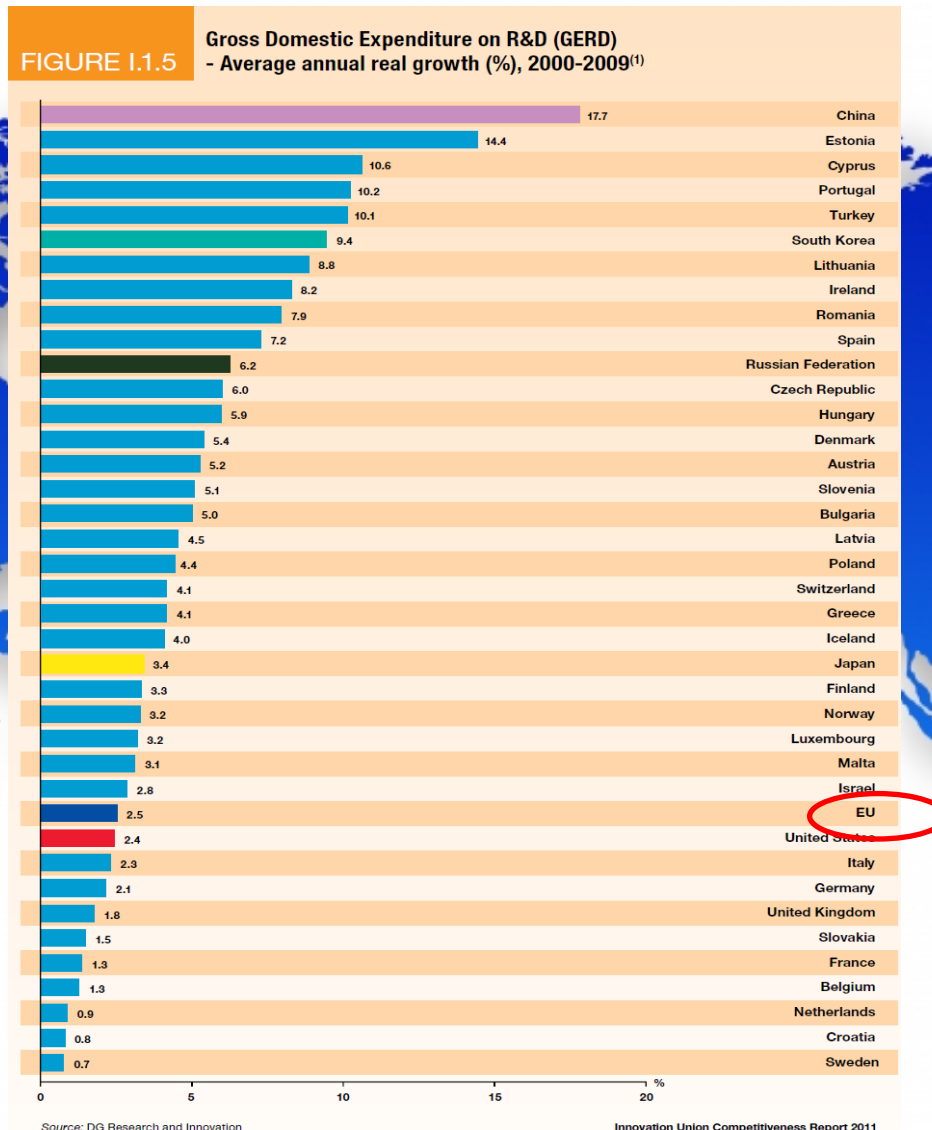
Why prioritise investment in Horizon 2020?

Smart growth - Europe's future prosperity and wellbeing depend on world-class research as a catalyst for innovation.



Why prioritise investment in Horizon 2020?

Global Context - Our competitors are investing billions into research and innovation

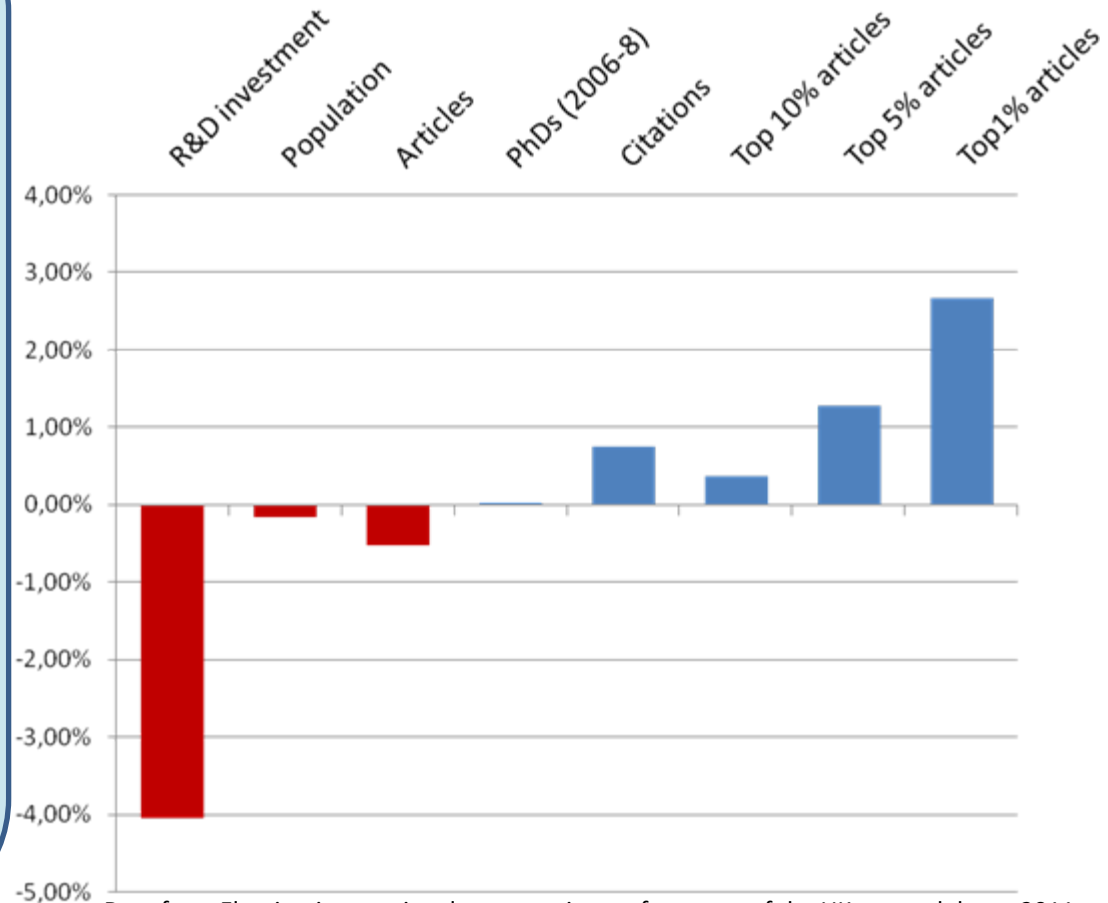


Why does excellence matter?

Value for Money: Investing in excellence is Europe's source of comparative advantage

- **Value for Money** – Faced with austerity, Europe must invest strategically
- **European Universities have proven track-record in producing high return despite declining investment**
- **Structural funding** – should support those building towards international excellence to work with European partners who already have global reach.

Change in EU share of world 2006-10



Date from Elsevier, international comparative performance of the UK research base, 2011, EU share estimated from all EU members states with date available

Why does excellence matter?

Innovation demands basic research ... the most successful economies lead the way in investment in Universities for R&D

USA

*"President's **commitment to double funding for key basic research agencies**"*

*"**Innovation also demands basic research.** ... Don't let other countries win the race for the future. Support the same kind of research and innovation that led to the computer chip and the Internet; to new American jobs and new American industries."*

China

Target: **raise expenditure on R&D to 2.5% of GDP by 2020.**

In 2011 China's government will **increase investment in science and technology by 12.5%.**

HORIZON 2020

India

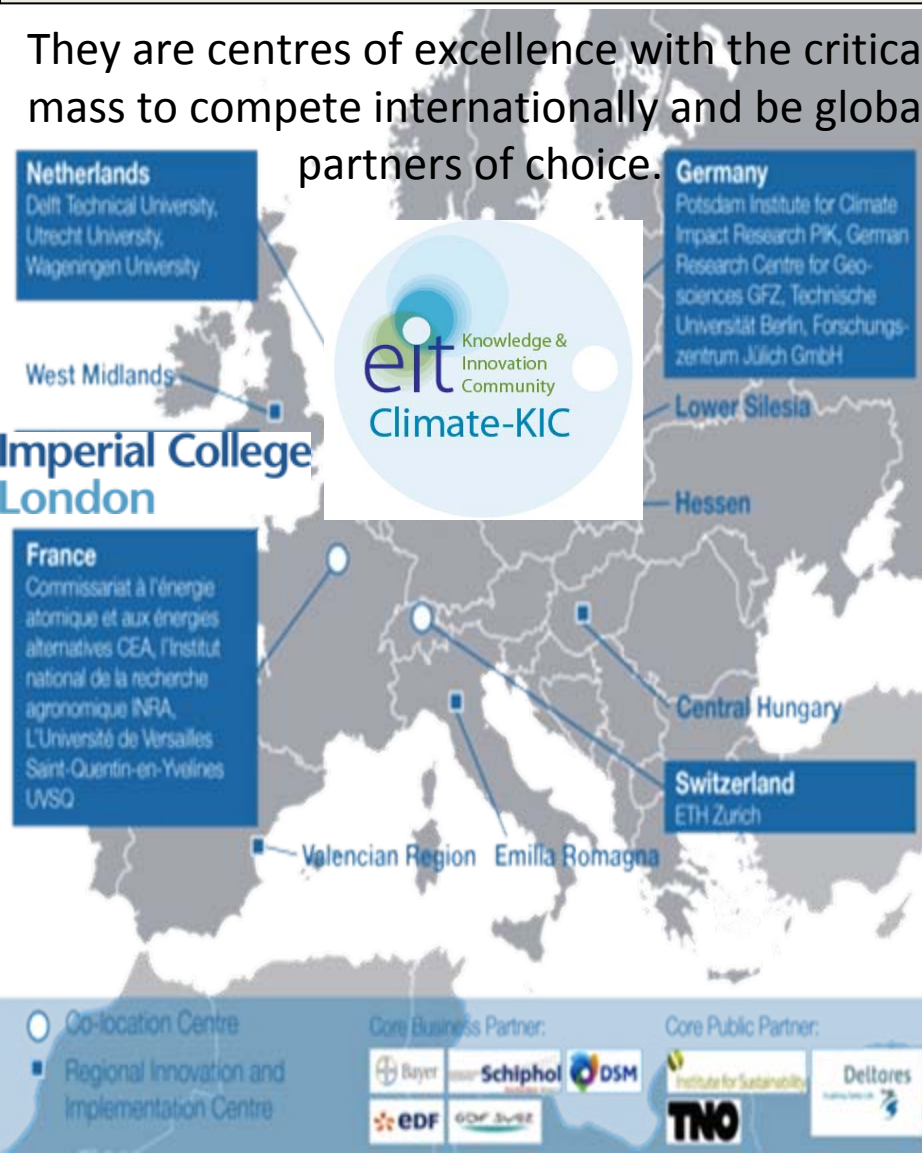
Concentration on world-class universities and
"Steps to ensure that total expenditure in R&D increases to 2.0 per cent of GDP"

*"... more project-related funding for expanding the **quality of basic science teaching and basic science research is, ... a prior condition for the development** of the wider economy and society"*

How can Horizon 2020 benefit all Europeans?

Research-intensive universities bring together research, education and innovation.

They are centres of excellence with the critical mass to compete internationally and be global partners of choice.



They create and help grow the SMEs which are the leading businesses of the future.

Climate KIC start up Naked Energy - winner of the EIT Awards



How can Horizon 2020 benefit all Europeans?

We all gain from innovation, brain circulation and internationalisation

Mobile researchers bring back a world-class university experience with which to build excellence and enterprises at home.

Marie Curie Actions should be a higher priority to fund the participation of the next generation of researchers and innovators.

Figure S.2 A: International collaboration map for the UK in the period 2006-2010, world excluding Europe.



To get the best out of our investments, **Societal Challenges and Industrial Leadership work programmes** have to be **responsive to innovation from the market and the lab.**

Calls need to be open to new ideas coming from entrepreneurs and researchers across all disciplines.

Why does simplification matter?

A simplified system maximizes effective investment in efficient, excellent programmes

We welcome the rewards of simplification ...

- **Efficiencies at source: grant applications**
- **Transparent funding methodologies**
- **Risk based audit**
- **Shorter time to contract or grant**


... we need to deliver on this to attract the best participants, especially SMEs.

Europe needs a sustainable public-benefit research base:

- **to remain internationally competitive, non-profit organisations need to factor in realistic overheads**
- **a simpler real indirect cost option for should be retained and non-recoverable VAT should be an eligible cost.**

We look forward to playing our part ...

Russell Group universities contribute significantly to Europe's research and innovation success...and are ready, with effective investment, to do more in Horizon 2020

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- **13 of the top 50 higher education participants in FP 7 are Russell Group universities.**
 - **Russell Group universities achieve 20% of European Research Council awards and host over 17% of Marie Curie participations.**
 - **Russell Group universities teach 33,000 students and employ over 14,000 staff from the rest of the EU.**
 - **Russell Group universities are recognised as world-leaders. Ten feature in the top 100 world universities.**

