Graeme Reid and Sarah Main

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"I want the UK to cement its status as a science superpower and, in so doing, level up right across the country."

Prime Minister Boris
Johnson, 23 September
2021





"...ensure the R&D tax reliefs continue to support cutting edge R&D methods ... reinforcing the UK's status as a science superpower"

Chancellor Rishi Sunak
Budget & Spending Review 2021

"... countries must apply science and technology strategically and embed it in their policy- and decision-making."

Sir Patrick Vallance, 8 February 2022 Civil Service blog:

UK's quest to be a global science superpower



Consulting stakeholders from:

Scotland, Wales, Northern Ireland, England

- Academe: humanities, policy researchers, science researchers ...
- University leadership
- Business
- Government: MoD, GO-Science, BEIS, Scottish Government
- Funding agencies: UKRI; Medical charities
- Think tanks and membership bodies
- International diplomacy
- Academic publishing

.... and more

Reactions to "science superpower"

"You don't become a science superpower by proclamation"

"I don't know what it means but I want to be part of it"

"Does 'science' include humanities, engineering etc?"

"The term 'superpower' has overtones of colonialism"

"It is a political slogan – but it has won wide support"

Reactions to "science superpower"

"You don't become a science superpower by proclamation"

"I don't know what it means but I want to be part of it"

"Does 'science' include humanities, engineering etc?"

"Collaboration is key to keeping Scotland as a science superpower"

The Herald 4.5.22

"The term 'superpower'
has overtones of
colonialism"

"It is a political slogan – but it has won wide support"

"...we stand ready to join the #ScienceSuperpower mission"

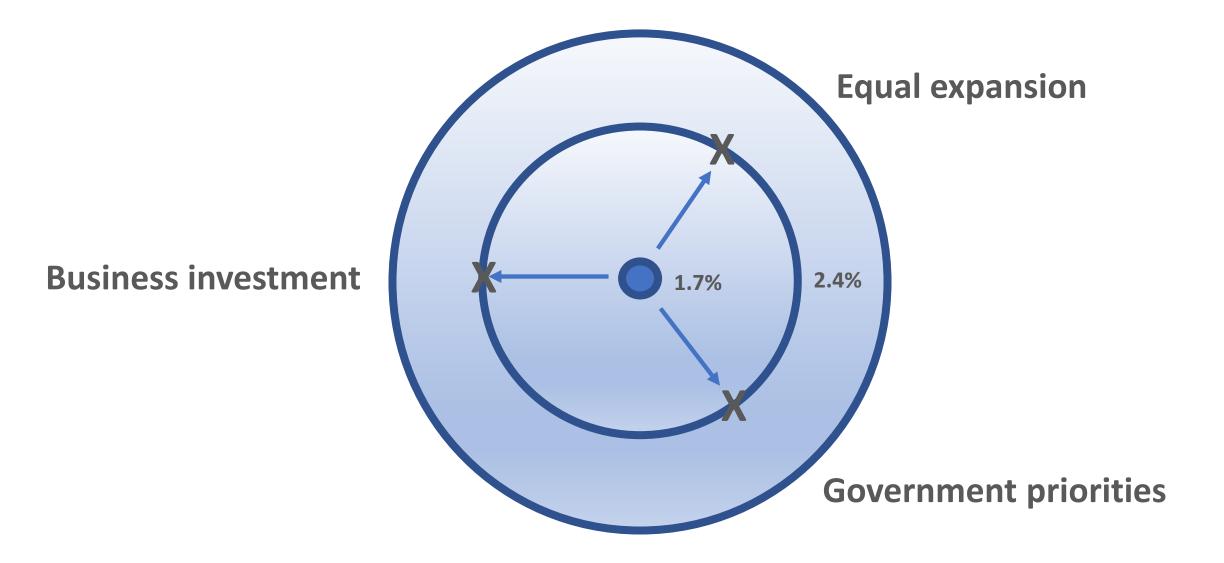
Tweet from PfizerUK, 16.3.22

"when [regulatory reforms are] implemented it will enable Legal and General to invest billions more in the UK's ... science superpower agenda"

Financial Times, 21.2.22

"World's biggest property investors buy into 'science superpower' UK"

Financial Times 29.4.44



Equal expansion	Business investment	Government priorities
Opportunities	Opportunities	Opportunities
Challenges	Challenges	Challenges

Equal expansion	Business investment	Government priorities
Opportunities Protects domains that may be threatened by further concentration Many stakeholders benefit a little	Opportunities	Opportunities
Challenges Locks in weaknesses in system and prevents radical reform Securing more public spending ahead of business investment	Challenges	Challenges

Equal expansion	Business investment	Government priorities
Opportunities	Opportunities	Opportunities
Protects domains that may be threatened by further concentration Many stakeholders benefit a little	Case for expanding public spending on R&D Pathways from academe to economy	
ivially stakeholders beliefit a little	ratification academie to economy	
Challenges	Challenges	Challenges
Locks in weaknesses in system and prevents radical reform	Policy instruments to attract business investment	
Securing more public spending ahead of business investment	Free market influence (eg on regional distribution of R&D)	

Equal expansion	Business investment	Government priorities
Opportunities	Opportunities	Opportunities
Protects domains that may be	Case for expanding public spending on	Government priorities reflect consensus

R&D

(climate, health, defence etc) Signals long-term intent that attracts business investment

Many stakeholders benefit a little Pathways from academe to economy

Challenges Challenges

Locks in weaknesses in system and prevents radical reform

of business investment

threatened by further concentration

Policy instruments to attract business investment

Free market influence (eg on regional Securing more public spending ahead distribution of R&D)

Differences in priorities across devolved nations and regions of UK

Stability of Government priorities over

Challenges

time

Business investment

Government priorities

Researcher-led or Government-directed?

Top-down or bottom-up approach?

Central strategic approach or devolved and local adaptation?

Incumbents or insurgents?

Transformational or incremental change?

International partnerships driven by research, investment or diplomacy?

Equal expansion

Business investment

Incumbents or

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Government priorities

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We want to hear from you

The science superpower ambition implies substantial changes to the research and innovation landscape

Your views on choices along the path to a superpower?

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