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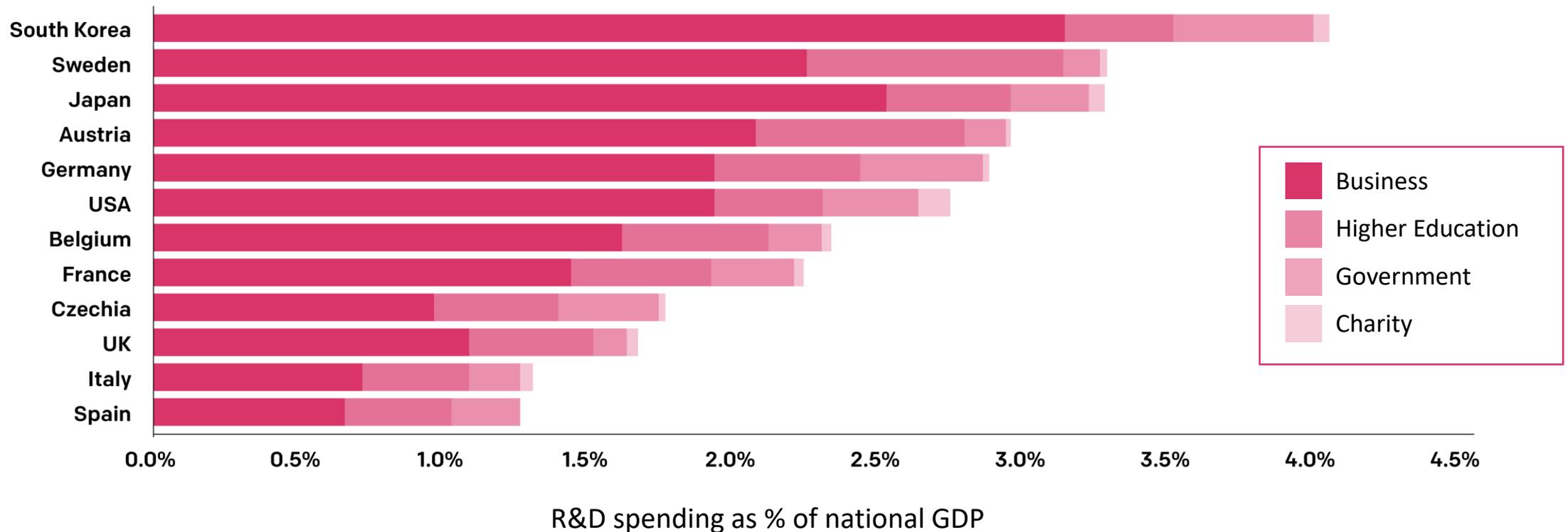
INNOVATION GM: PROSPECTUS

Making Greater Manchester a
national engine of growth at the
heart of the Northern Powerhouse



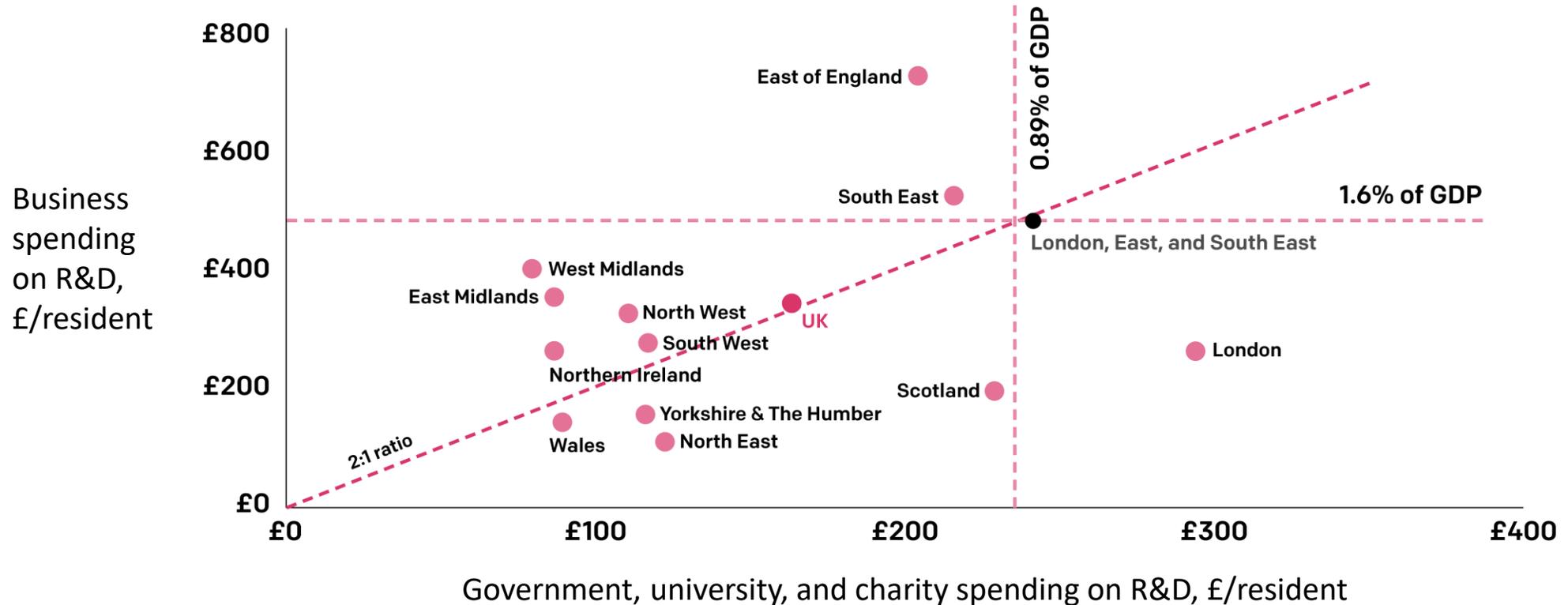
THE UK INVESTS LESS ON R&D THAN MANY OTHER COUNTRIES, GLOBALLY

R&D spending by sector of performance by country



THERE IS AN OPPORTUNITY TO SPREAD THE DIRECT BENEFITS OF R&D INVESTMENT MORE EVENLY ACROSS THE UK

Spending on R&D by NUT51 region within the UK, 2016 (split by market-led (business) and non-market-led (government and charity))



Regional distribution of UK R&D spending by NUTS1 region, expressed per resident for market-led and non-market-led sectors.

THE OPPORTUNITY

Innovation Greater Manchester is our plan to invest in our people, places and assets

...to unlock a globally renowned city-region innovation eco-system...

...that connects scientific excellence to businesses across GM...

...leading to new technologically diverse business clusters that create good employment opportunities...

...in all of our cities and towns



INVESTING IN INNOVATION ASSETS TO CONNECT RESEARCH TO REAL-WORLD CHALLENGES

- Translating GM's science and innovation strengths in advanced materials & manufacturing, health innovation, digital & creative, and low carbon into productivity gains and growth across GM and beyond
- Innovation GM will invest in pioneering research institutes and centres of excellence, to boost their translational capacity to a broader base of businesses

Greater Manchester Frontier Sectors



Advanced Materials & Manufacturing:
2-D materials including Graphene, Industry 4.0



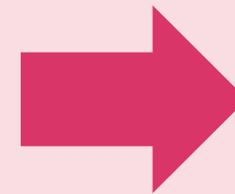
Clean Growth:
Carbon neutrality by 2038, advanced materials, biotechnology, hydrogen and nuclear.



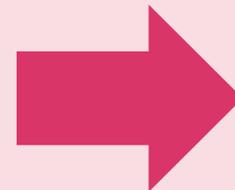
Digital & Creative:
Cyber and digital security, e-commerce, and broadcast & content creation



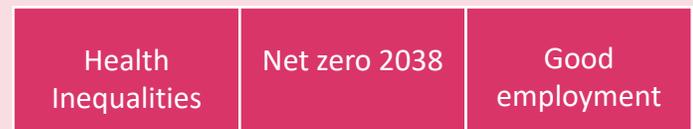
Health Innovation:
Improving the real-world impact of the North West's life science cluster



Industrial strategy and grand challenges



Innovating to address local challenges



INVESTING IN PLACES

Innovation GM will create a network of Innovation Zones that connect high-end scientific discoveries and cutting edge technologies to industry in city centres, town centres and advanced manufacturing parks

Support programmes will network and support the growth of clusters of innovation-active businesses

Map to follow

INVESTING IN PEOPLE

Connecting people to opportunity by ensuring that residents are trained for new opportunities, companies are supported to innovate, and place-making is linked to innovation.

Innovation GM will:

- ensure the development of high impact skills programmes that empower people to invent and absorb new technologies
- raise aspirations and inspire the next generation of home-grown scientists and entrepreneurs
- promote Good Employment across networks and engage more employers in the Good Employment Charter



WRAP-AROUND BUSINESS SUPPORT

Working with Growth Hub and other partners, we will create platform for providers of business support to collaborate across sectors and places to provide integrated and seamless access to advice, finance, and training to commercialise pioneering products and services, absorb proven technologies and management practices, and export to global markets.

We will also continue to harness and strengthen support to clusters of r&d intensive businesses through high impact networks.



A PLATFORM FOR GLOBAL PARTNERSHIPS AND INWARD INVESTMENT

- It has never been more important to connect with the world, attract investment, drive international research collaboration, and increase our exporting power
- Innovation GM will build on the international networks of GM businesses and GM universities to support the delivery of the GM International Strategy and to forge new international partnerships across the globe
- Innovation GM's network of innovation zones can become inward investment magnets, attracting investment and innovation-intensive companies in to the city-region

Peer city regions (City regions at the same Innovation phase as GM)	Toronto Melbourne Barcelona Belfast Lyon	Pittsburgh Seoul Dublin Dusseldorf Osaka
Investor city regions (City regions known to be investing in innovation)	Tel Aviv Shanghai Abu Dhabi Hong Kong	
Global best practice city regions (Cities to learn from and partner with)	Boston Singapore San Francisco Shenzhen	

OUR PLAN

1. **Establish a Board** made up of senior representatives from business and public sector to provide leadership and resources to support delivery
2. Create an **open innovation network** which will allow clusters of innovation intensive businesses, from start-up to multi-nationals, to shape Innovation GM's priorities and build capability to innovate across all places
3. Develop an **investment pipeline** around our people-places-assets framework
4. Build a **local-national partnership** to deliver on our shared Levelling Up, Net Zero, and Global Britain ambitions through science and innovation



GM INNOVATION DEAL

- To deliver on our ambitions Greater Manchester stands ready to develop the UK's first Innovation Deal with Government to deliver on our shared levelling up ambitions and breaking through government funding siloes
- Innovation GM can be a replicable model, enabling places to collectively step up to ensure the UK achieves its objective of R&D reaching 2.4% of GDP by 2027
- Innovation GM would agree a suite of innovation and inclusive growth indicators including GVA, private sector r&d leverage, job creation, reduced health inequalities, and talent retention

