

# Measuring UK research and development

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# R&D development plan

## Mission

Review & development of UK R&D statistics completed by 2024

## Vision

By 2024, UK R&D statistics are internationally recognised and trusted as high quality and responsive to user needs

## Drivers



Differences between ONS/HMRC estimates



New data sources



Levelling up



Need to conduct a review of R&D statistics

## Objectives

Understand and explain differences between BERD and HMRC R&D estimates

Use administrative data sources alongside survey data

Provide more granular level statistics

Be flexible and adaptive to user needs

# UK R&D – what we have done

## Business:

- Action taken: 9-month period of work with HMRC; identified BERD method improvement; peer review and implementation of uplift; BERD despatched online; improved guidance
- Result: Ten-fold increase in sample size covering all businesses; unbiased estimates and more granularity; better measurement of business R&D levels (particularly small businesses)

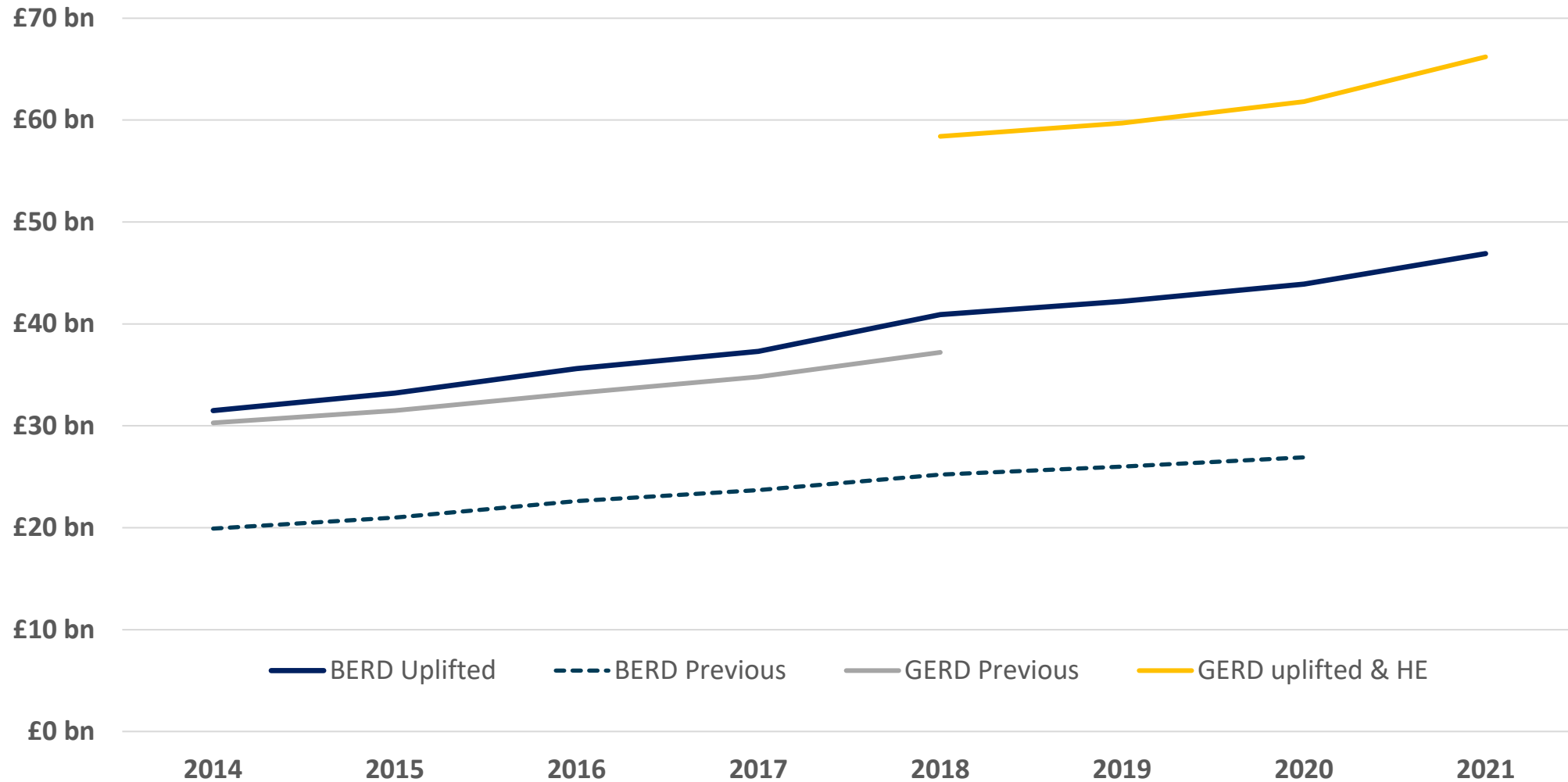
## Higher education:

- Action taken: Engaged, tested and secured use of TRAC data (in place of HESA)
- Result: Improved measurement of HE R&D levels (own funded and performed R&D and wider indirect costs of R&D) included in [GERD](#)

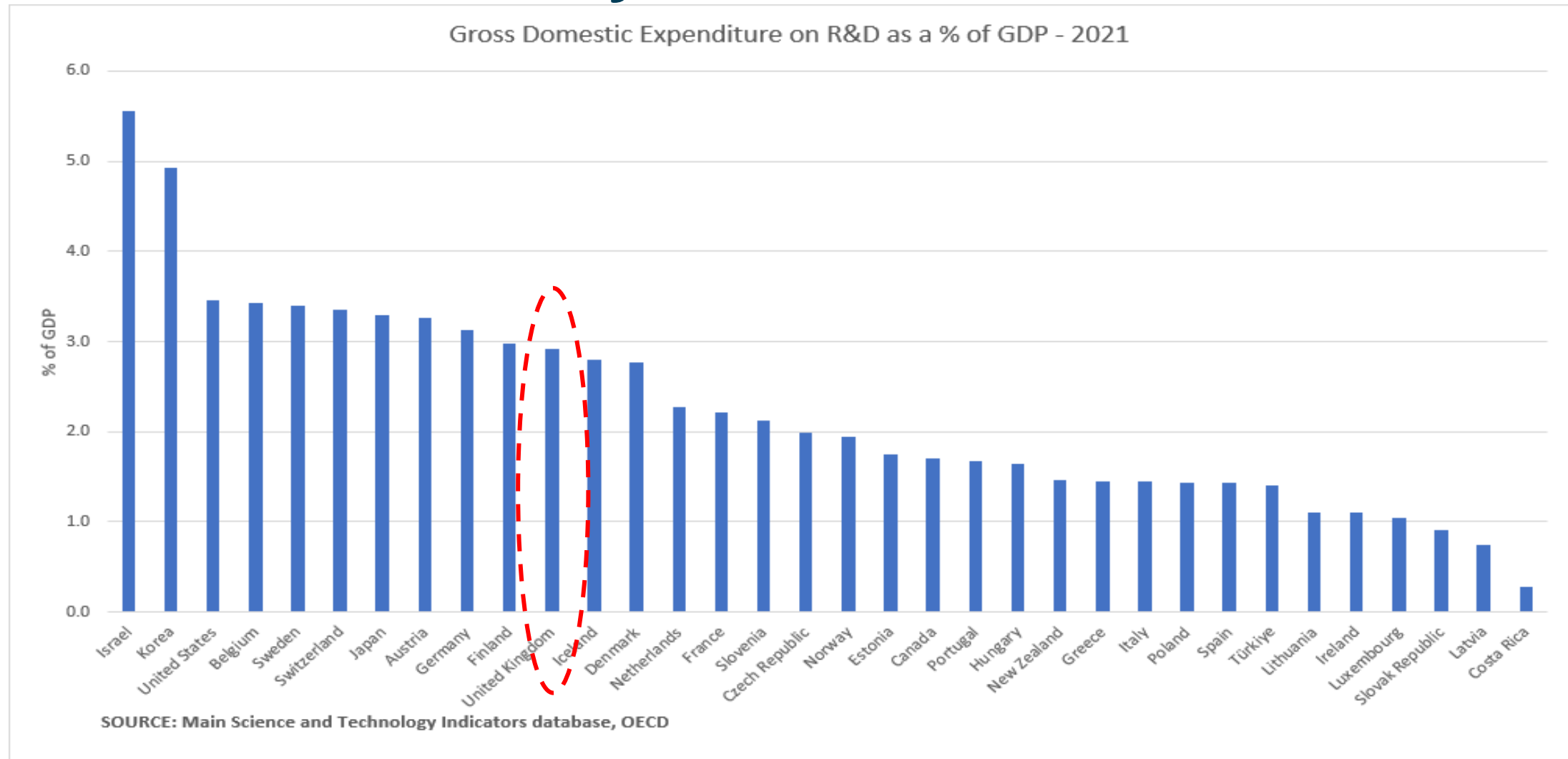
## Government:

- Action taken: 8-month microdata project with largest R&D funding departments to develop Government funded R&D by location
- Results published in April, alongside [methods note](#) providing baseline for Levelling Up R&D

# UK R&D – National Statistics



# R&D internationally



# UK R&D – next steps

## User concerns:

- Action being taken: New results system development
- Will result in: Enable more timely results processing (early 2024)

## Government subnational:

- Action being taken: Continue to engage Govt Depts on improving R&D recording (with Go Science) and to analyse GovERD survey with new location questions
- Will result in: Improved data on location of government funded R&D

## Onward impact:

- Action being taken: Understanding impact on other key statistics & planning for National Account implementation (supported by British Academy Fellow Dr Enrico Venino)
- Will result in: Initially indication of impact on GDP and productivity, followed by full integration into National Accounts