



15 years of EU2020-3% R&D target evolution and lessons learned

**Workshop on R&D intensity
London 11-12 April 2019**

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DG Research & Innovation
European Commission**

The Importance of Having a Common R&D Target

One of the key aims of the EU during the last couple of decades has been to encourage increasing levels of R&D investment, in order to provide a stimulus to the EU's growth and competitiveness.

Three Milestones:

Lisbon Strategy

Barcelona Summit

EU2020 strategy



THE LISBON STRATEGY

The Lisbon Special European Council

(23 and 24 March 2000)

Towards a Europe of Innovation and Knowledge

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'New strategic goal for the EU:

to become the most competitive and dynamic knowledge-based economy in the world capable of sustainable economic growth with more and better jobs and greater social cohesion'



EUROPEAN COUNCIL (15 and 16 March 2002) BARCELONA

PRESIDENCY CONCLUSIONS

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".....there must be a significant boost of the overall R&D and innovation effort in the Union, with a particular emphasis on frontier technologies.

The European Council therefore:

*– agrees that overall spending on R&D and innovation in the Union should be increased with the aim of approaching **3%** of GDP by 2010. Two-thirds of this new investment should come from the private sector;*

..."



COMMUNICATION FROM THE EUROPEAN COMMISSION (3 March 2010) EUROPE 2020

A strategy for smart, sustainable and inclusive growth

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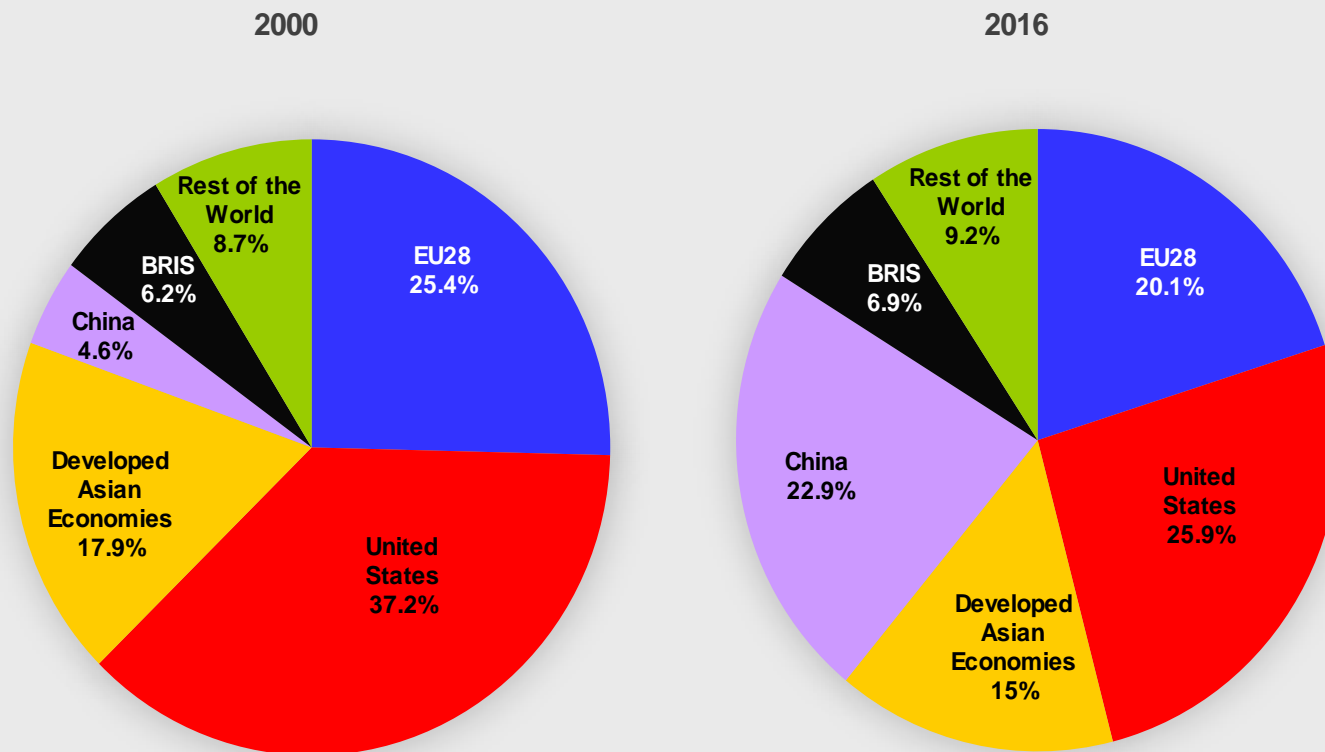
"The EU needs to define where it wants to be by 2020. To this end, the Commission proposes the following EU headline targets:

- 75 % of the population aged 20-64 should be employed.*
- **3% of the EU's GDP should be invested in R&D.***
- The "20/20/20" climate/energy targets should be met (including an increase to 30% of emissions reduction if the conditions are right).*
- The share of early school leavers should be under 10% and at least 40% of the younger generation should have a tertiary degree.*
- 20 million less people should be at risk of poverty.*

"

...

Figure 1.3-A.1 (b) World expenditure on R&D - % distribution⁽¹⁾, 2000 and 2016

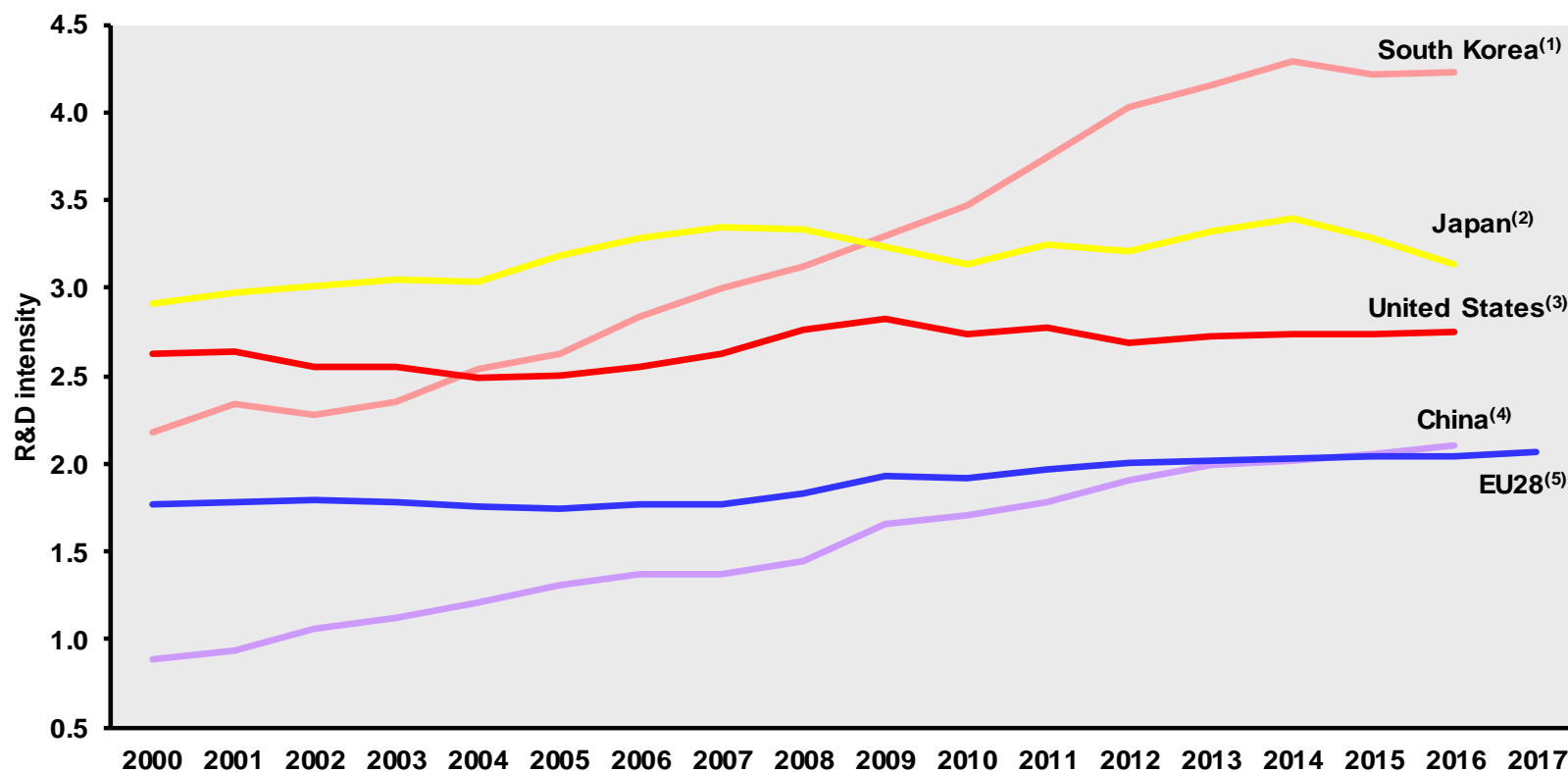


Science, Research and Innovation performance of the EU 2020

Source: DG Research and Innovation - Unit for Reforms and Economic Impact - Country intelligence

Data: Eurostat, OECD, UNESCO

Evolution of R&D intensity, 2000-2017

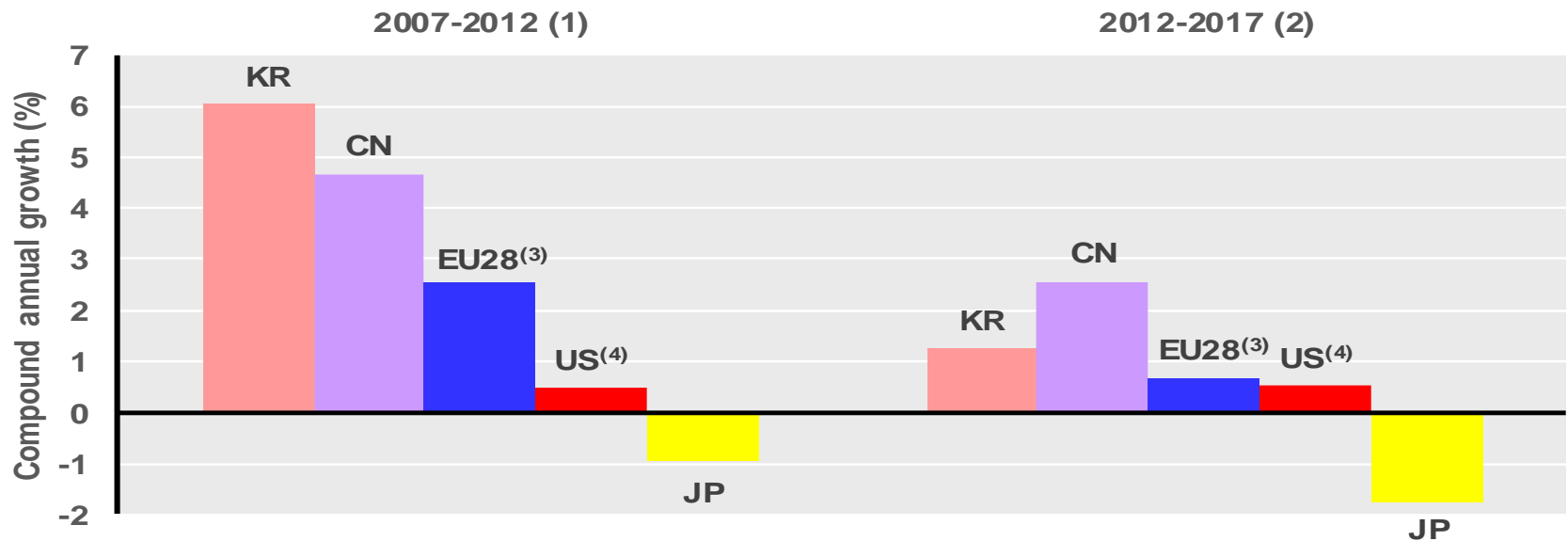


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Data: Eurostat, OECD

R&D intensity - compound annual growth, 2007-2012 and 2012-2017

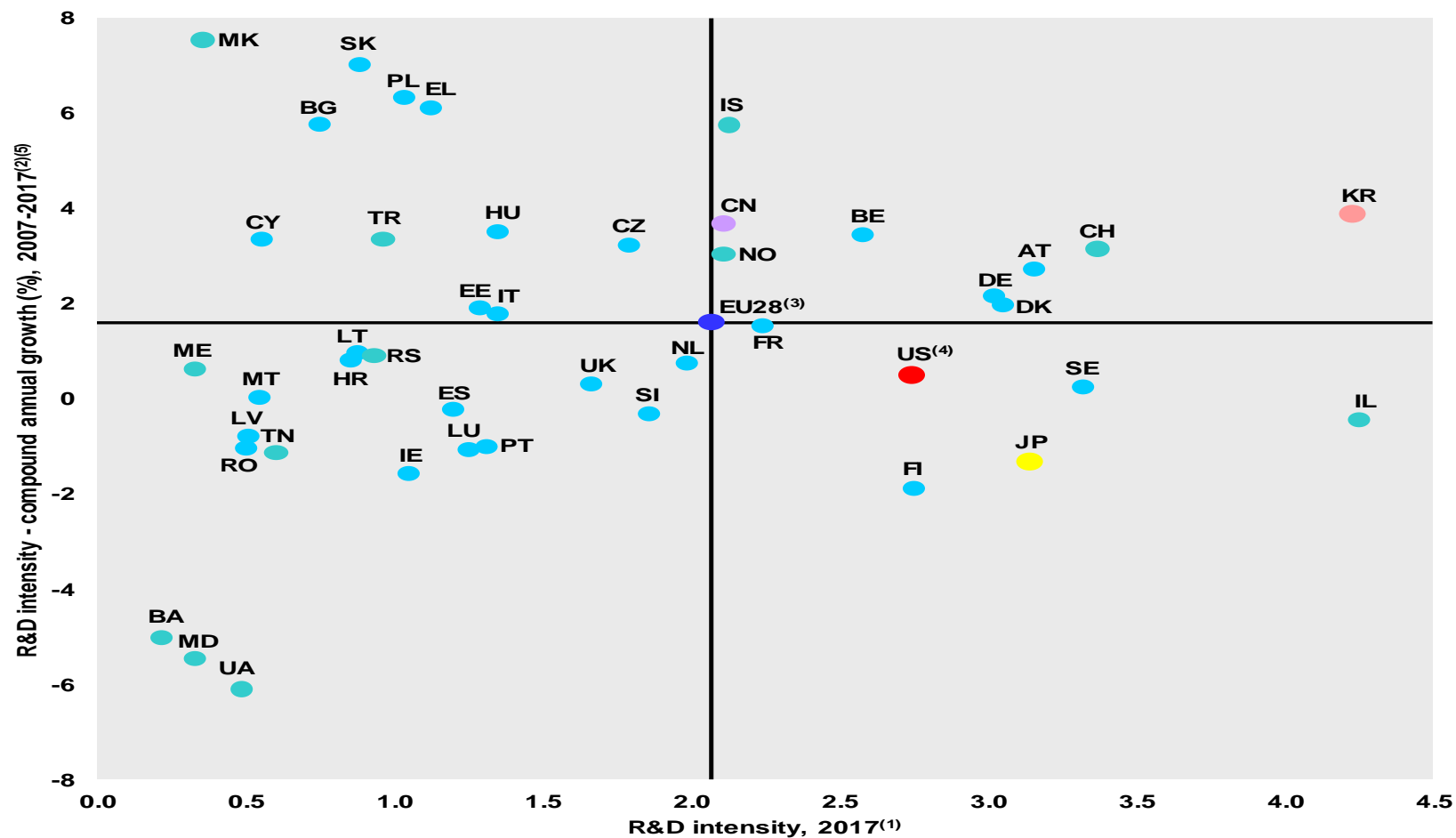


Science, Research and Innovation performance of the EU 2020

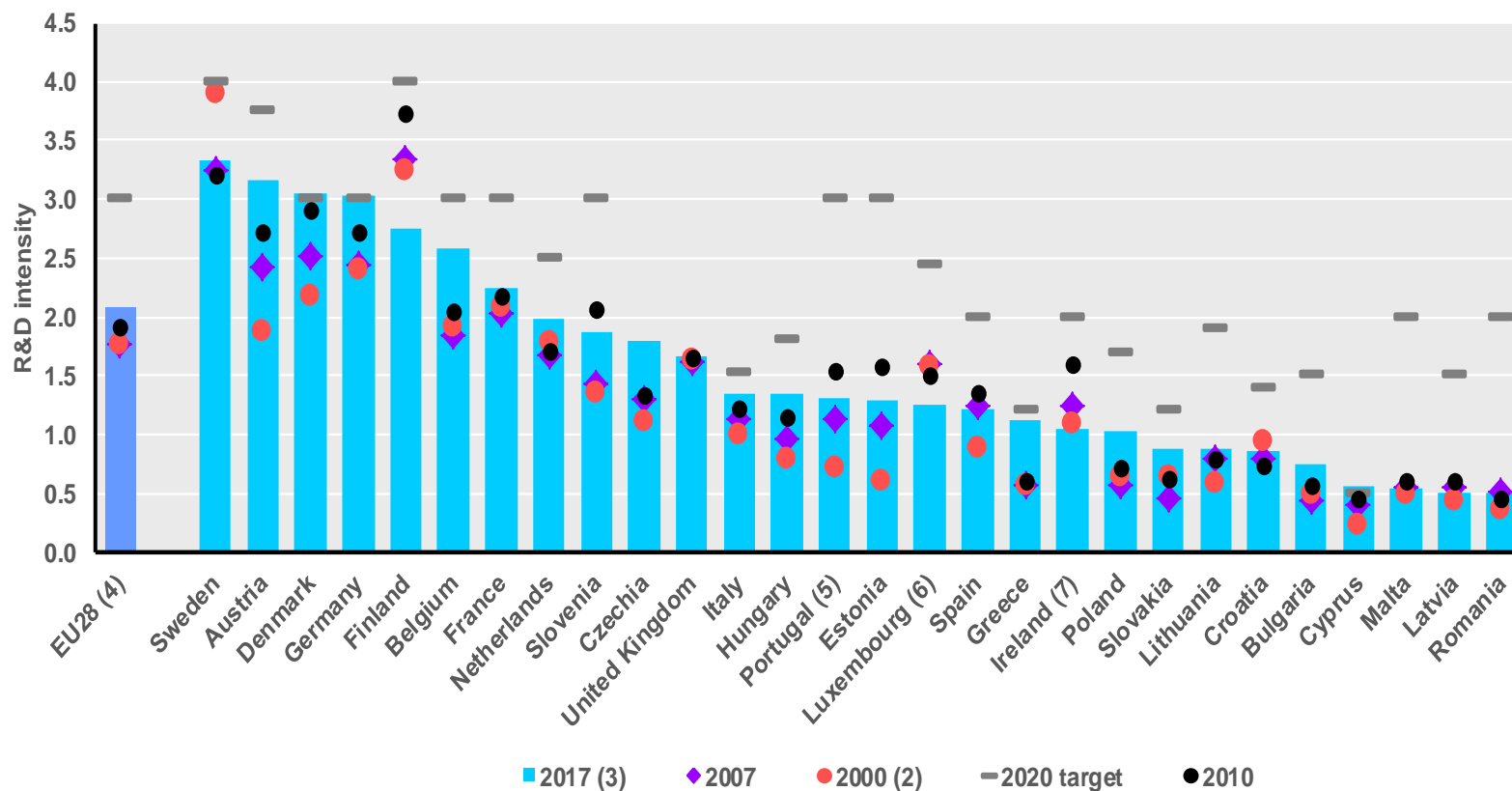
Source: DG Research and Innovation - Unit for Reforms and Economic Impact - Country intelligence

Data: Eurostat, OECD

R&D intensity, 2017 and compound annual growth, 2007-2017



R&D intensity, 2000, 2007, 2017 and 2020 target⁽¹⁾

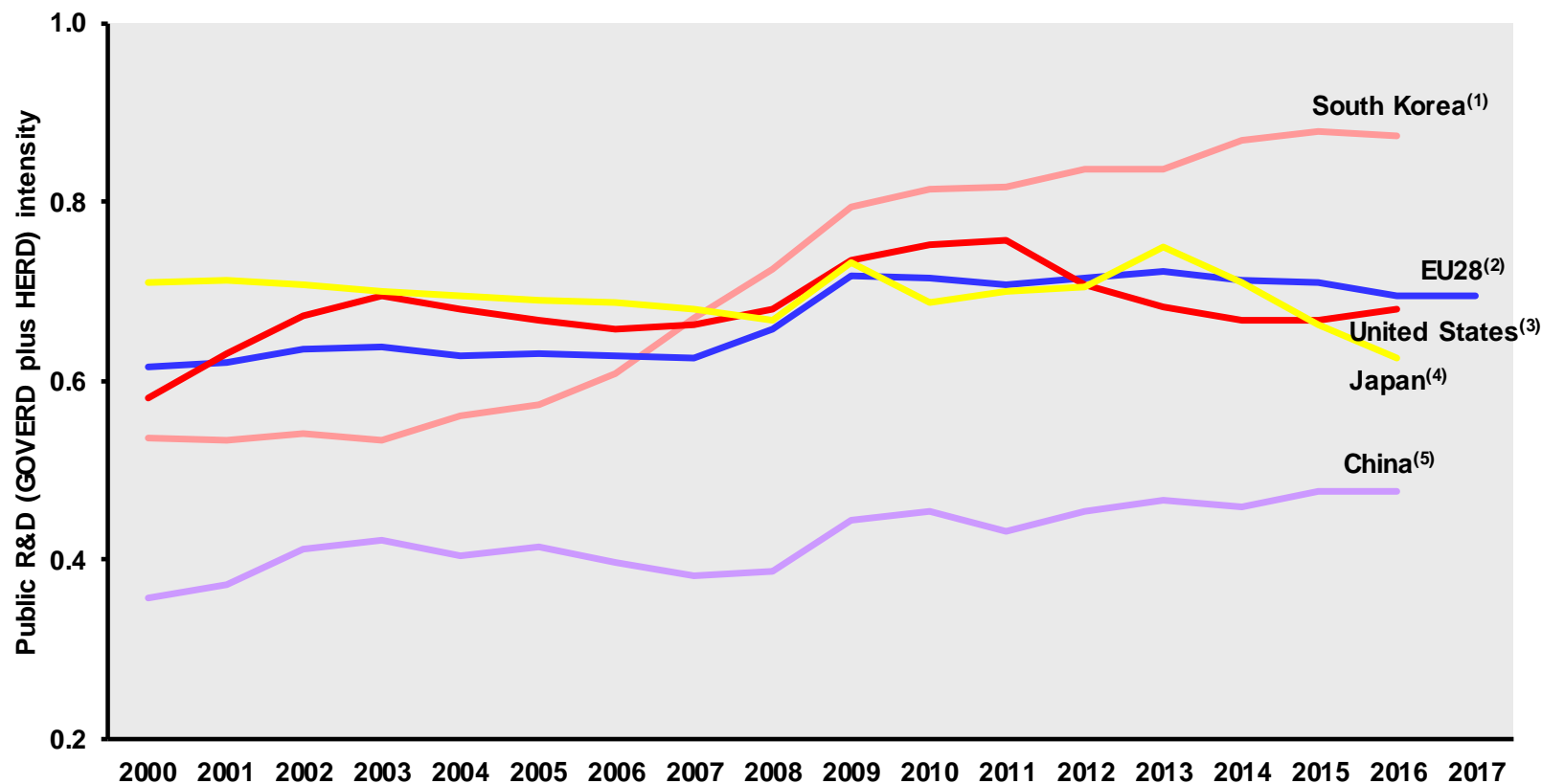


Science, Research and Innovation performance of the EU 2020

Source: DG Research and Innovation - Unit for Reforms and Economic Impact - Country intelligence

Data: Eurostat, Member States

Evolution of public R&D intensity, 2000-2017

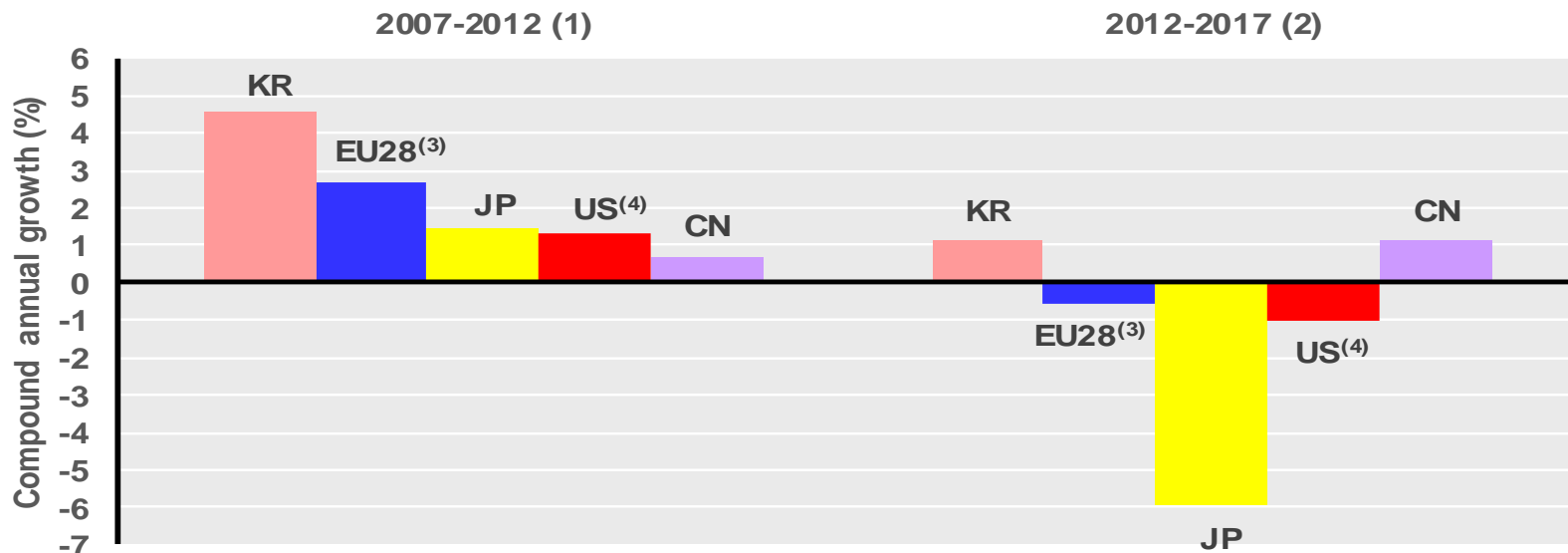


Science, Research and Innovation performance of the EU 2020

Source: DG Research and Innovation - Unit for Reforms and Economic Impact - Country intelligence

Data: Eurostat, OECD

Public R&D intensity - compound annual growth, 2007-2012 and 2012-2017

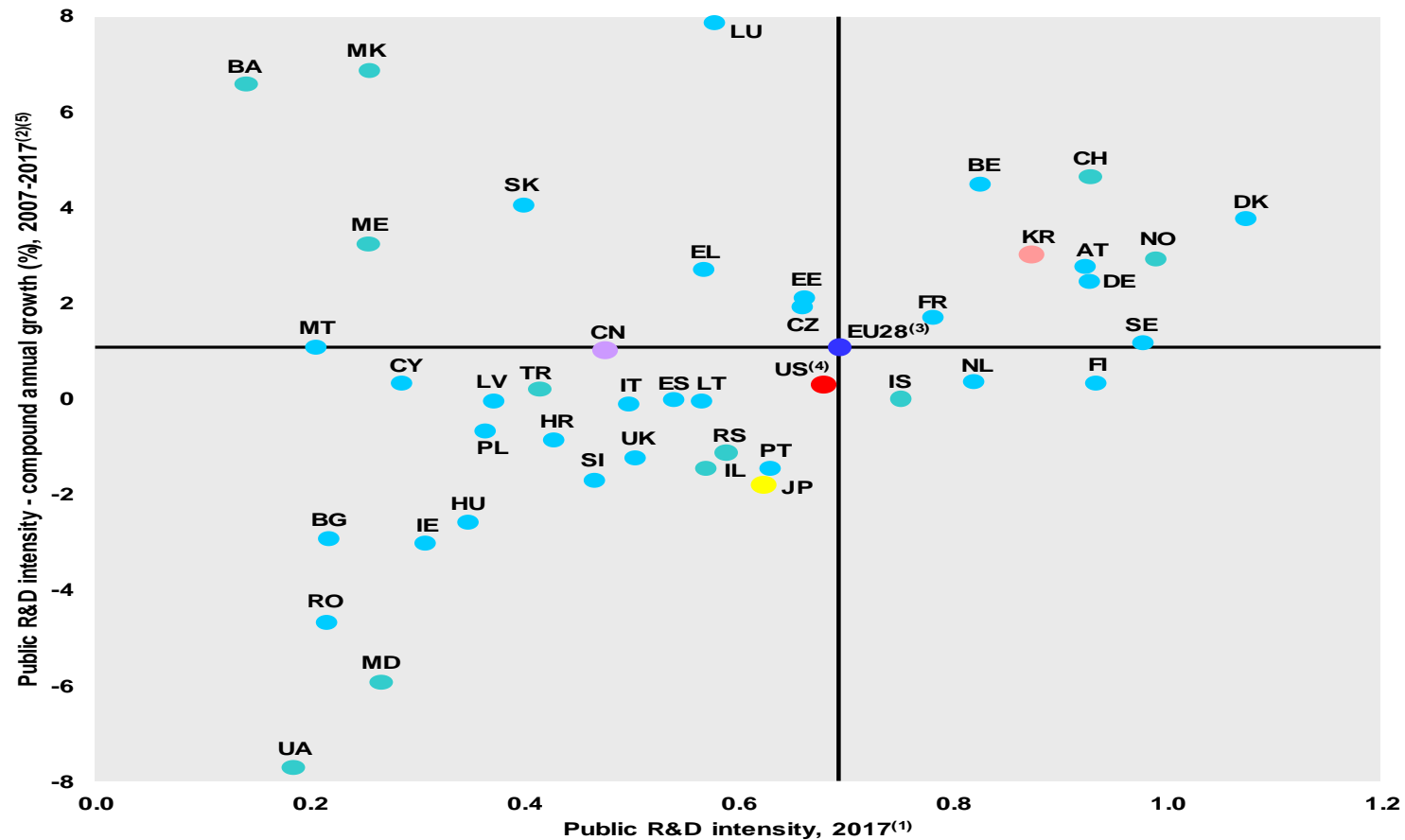


Science, Research and Innovation performance of the EU 2020

Source: DG Research and Innovation - Unit for Reforms and Economic Impact - Country intelligence

Data: Eurostat, OECD

Public R&D intensity, 2017 and compound annual growth, 2007-2017

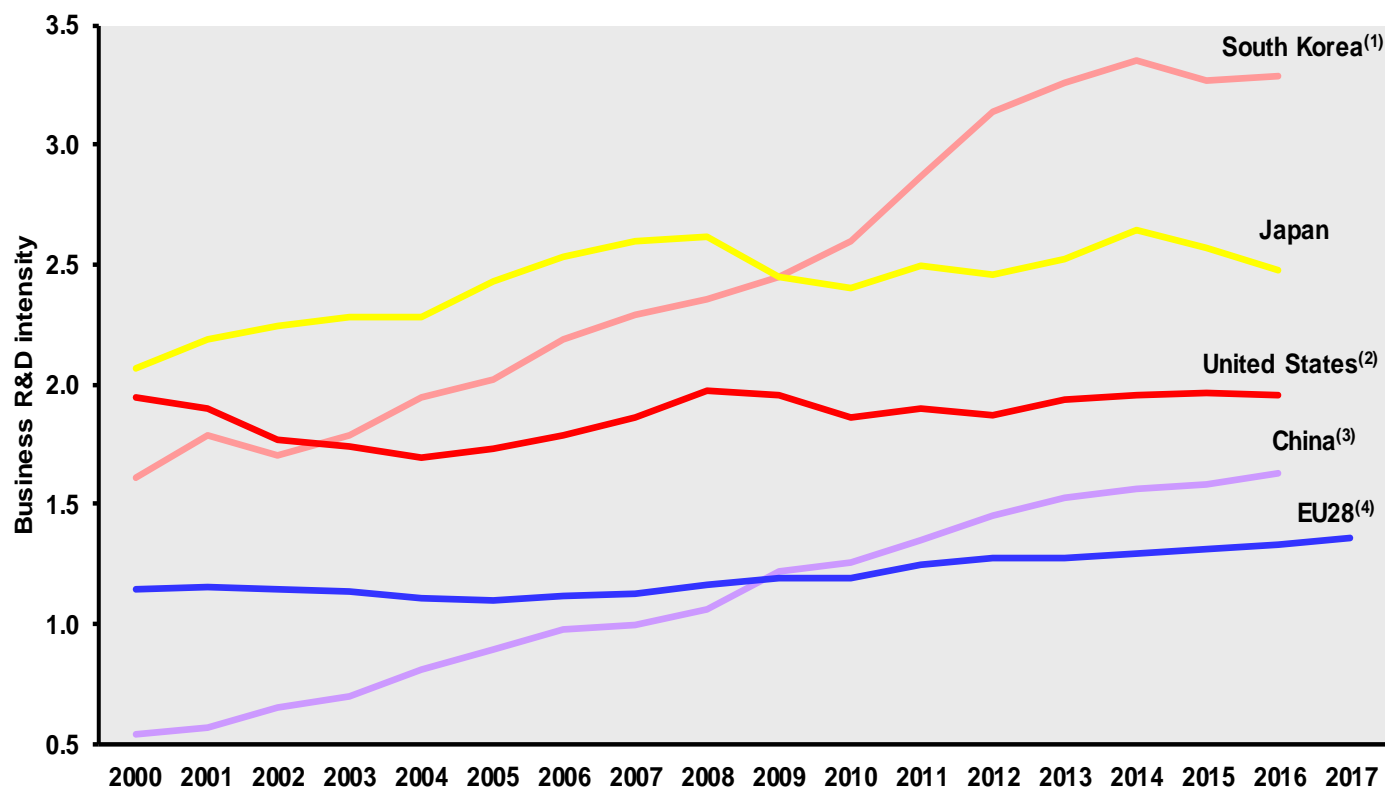


Science, Research and Innovation performance of the EU 2020

Source: DG Research and Innovation - Unit for Reforms and Economic Impact - Country intelligence

Data: Eurostat, OECD, UNESCO

Evolution of business R&D intensity, 2000-2017

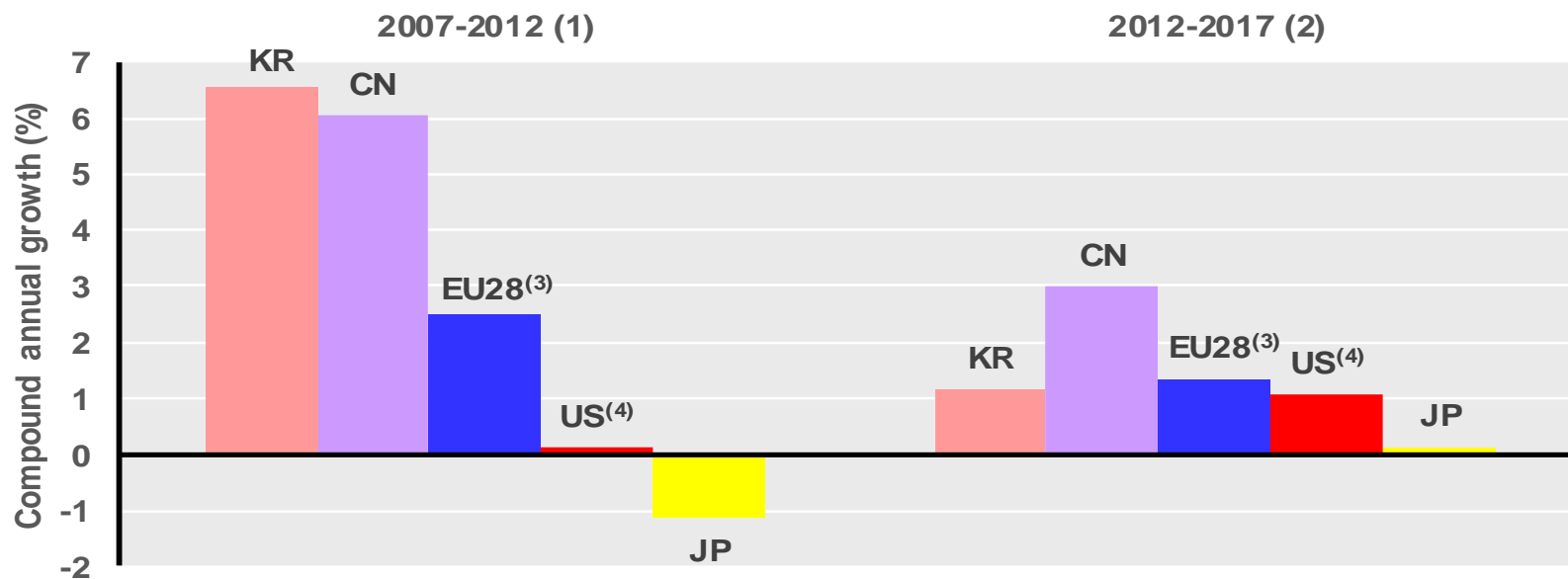


Science, Research and Innovation performance of the EU 2020

Source: DG Research and Innovation - Unit for Reforms and Economic Impact - Country intelligence

Data: Eurostat, OECD

Business R&D intensity - compound annual growth, 2007-2012 and 2012-2017

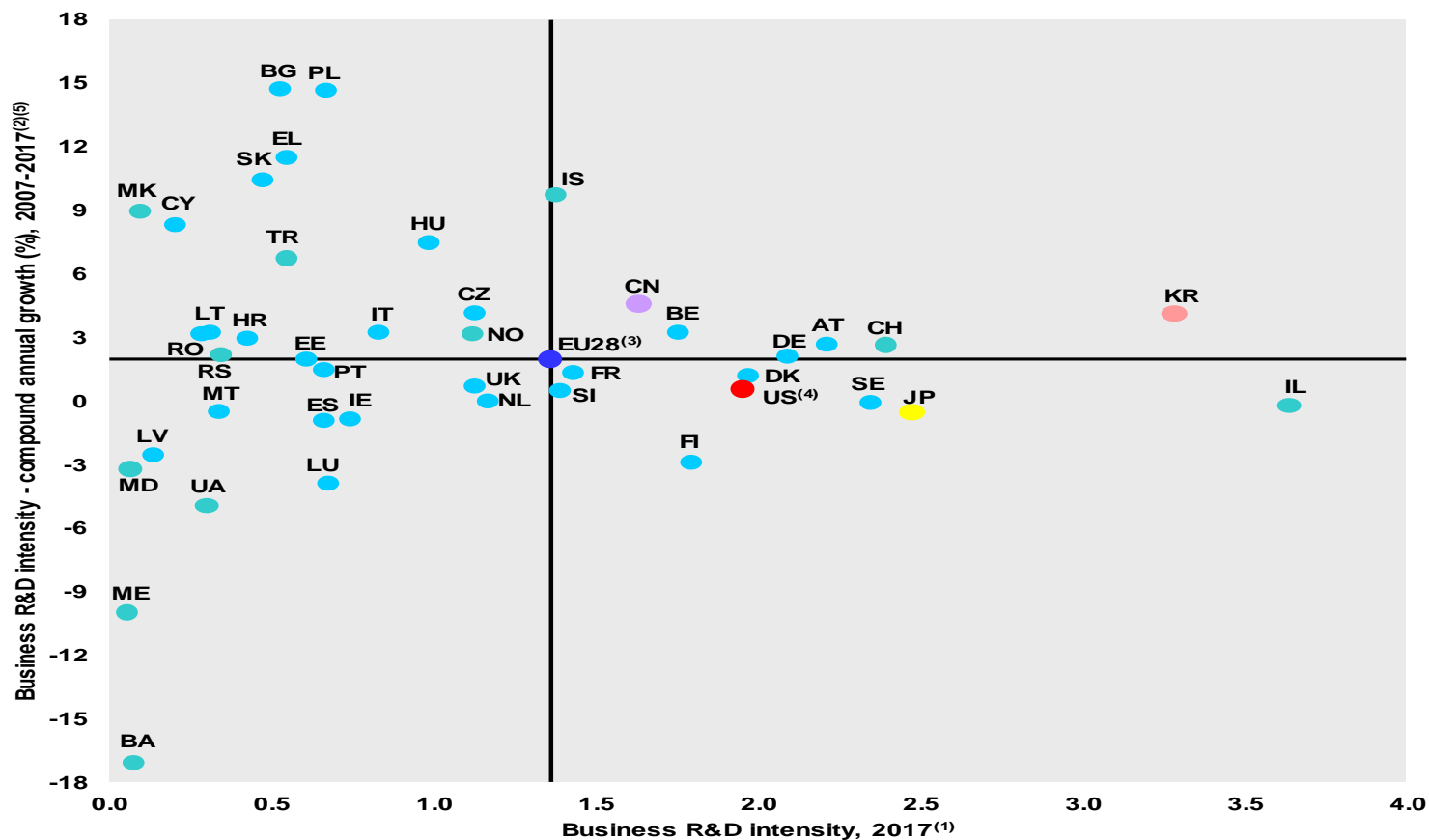


Science, Research and Innovation performance of the EU 2020

Source: DG Research and Innovation - Unit for Reforms and Economic Impact - Country intelligence

Data: Eurostat, OECD

Business R&D intensity, 2017 and compound annual growth, 2007-2017

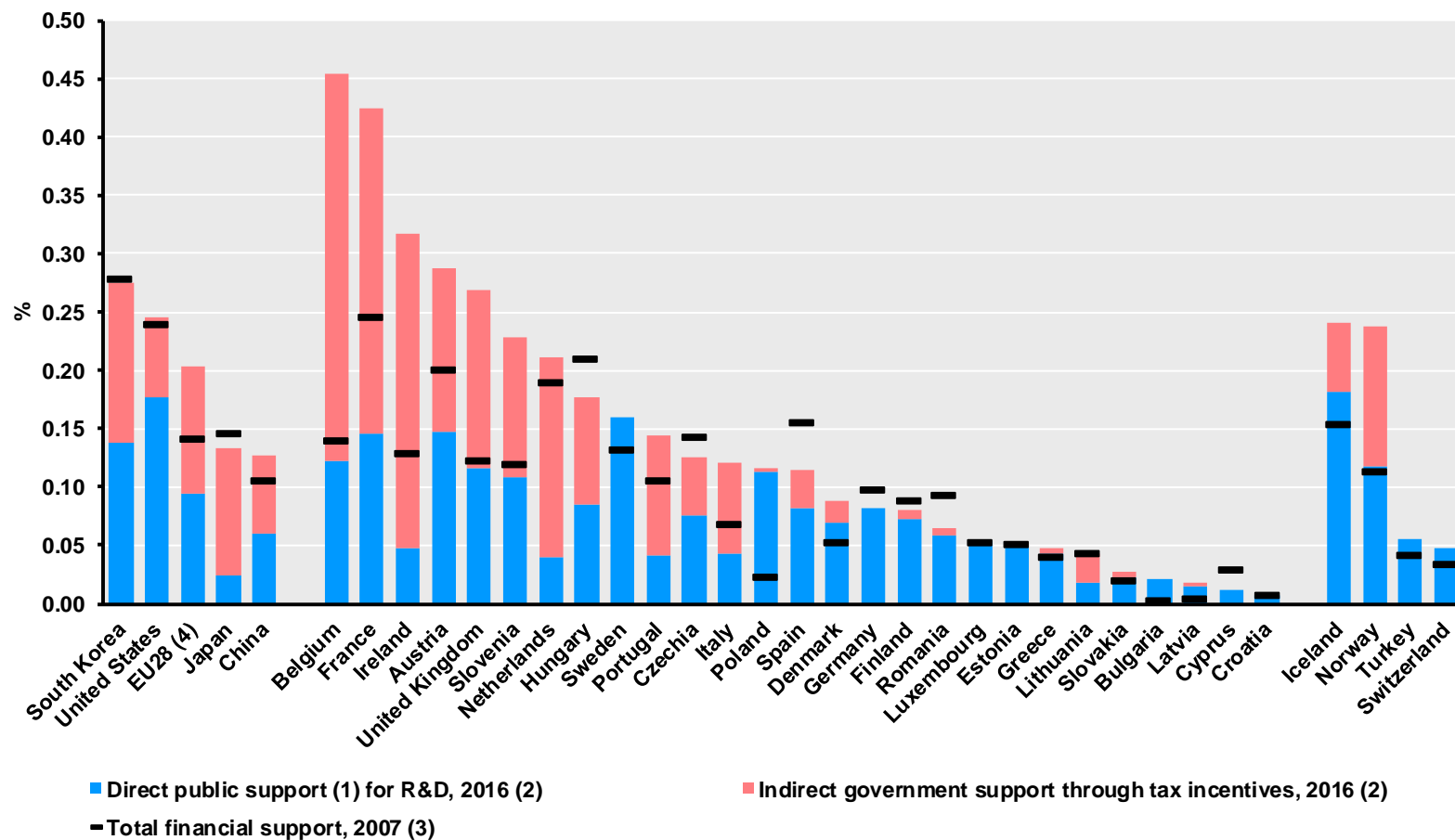


Science, Research and Innovation performance of the EU 2020

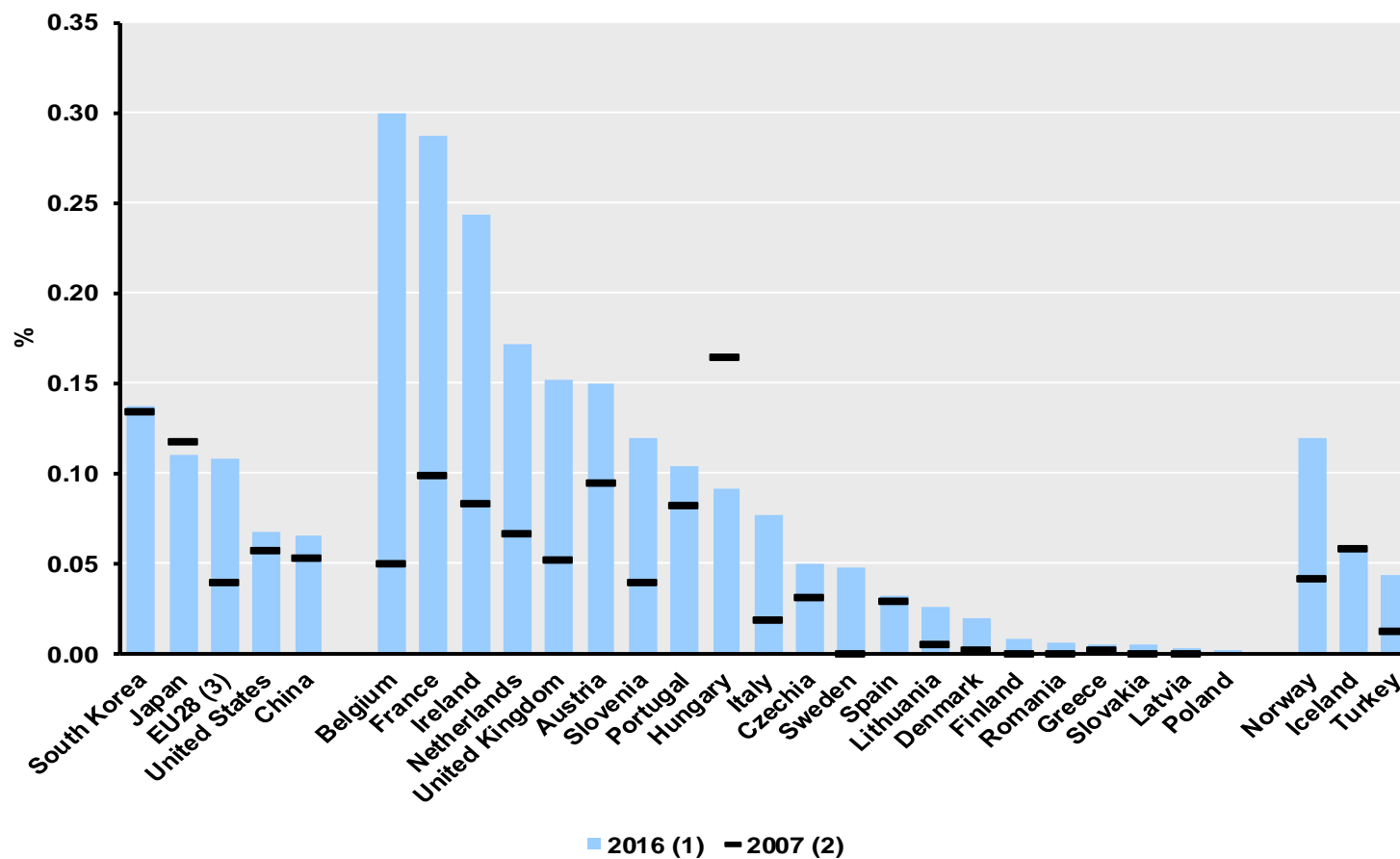
Source: DG Research and Innovation - Unit for Reforms and Economic Impact - Country intelligence

Data: Eurostat, OECD, UNESCO

Public support for business R&D as % of GDP, 2007 and 2016



Tax incentives for R&D as % of GDP, 2007 and 2016

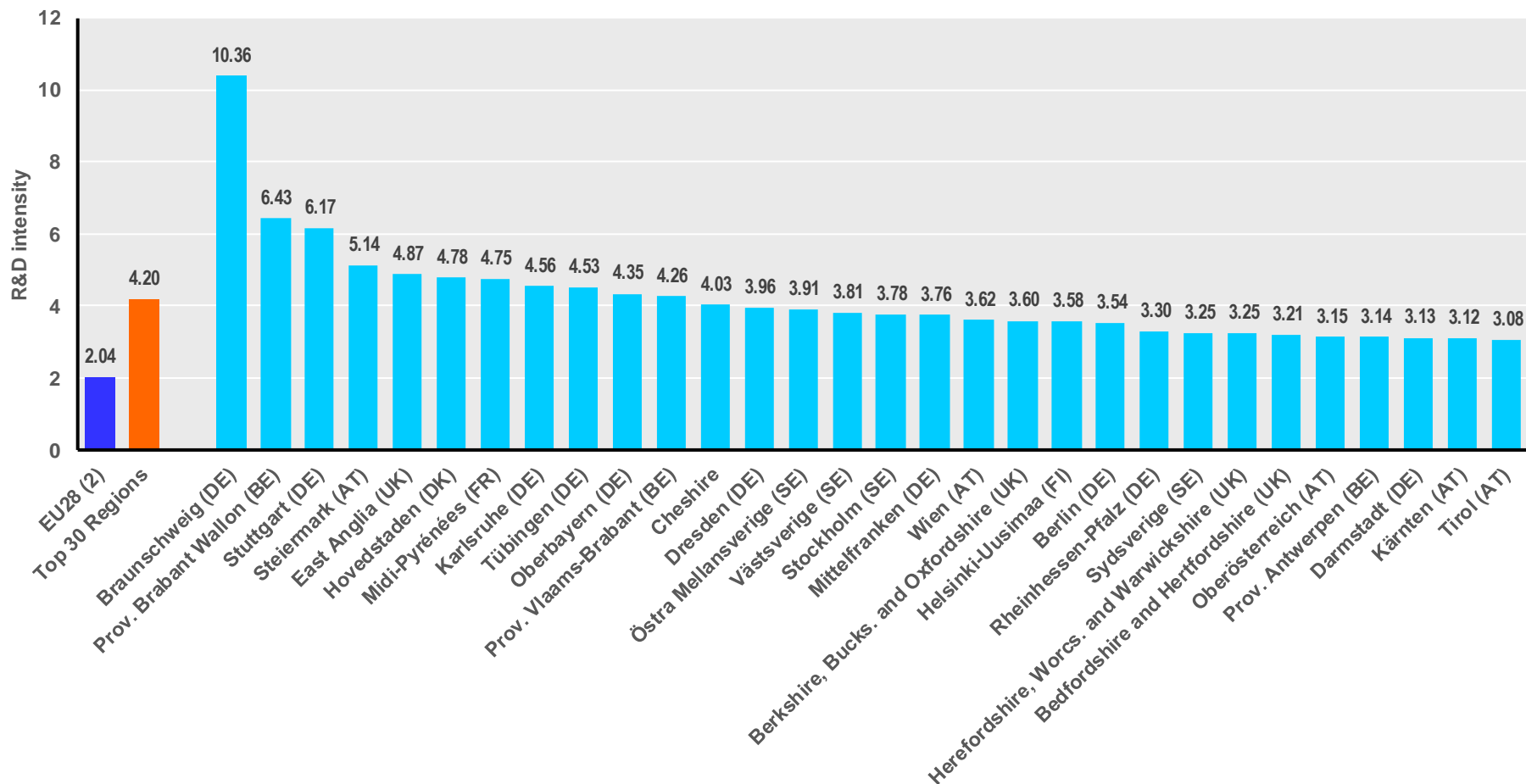


Science, Research and Innovation performance of the EU 2020

Source: DG Research and Innovation - Unit for Reforms and Economic Impact - Country intelligence

Data: OECD, Eurostat

The 30 most R&D intensive regions⁽¹⁾ in EU28⁽²⁾ - R&D intensity, 2015⁽³⁾





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<http://ec.europa.eu/research>

Science, research and innovation performance of the EU 2018

<https://ec.europa.eu/h2020-policy-support-facility>