

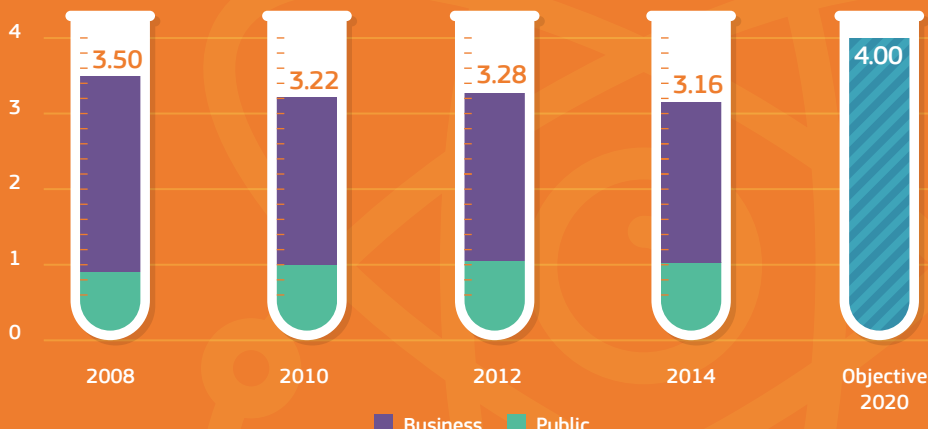
Sweden

Promoting the long-term competitiveness of the Swedish economy

INVESTMENT IN R&D

R&D SPENDING

While Swedish public R&D intensity has consistently grown in recent years, the business R&D intensity has followed a downward trend



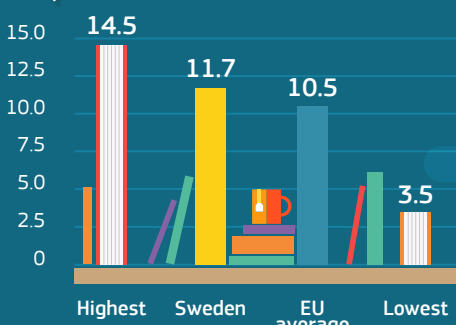
R&D intensity, showing public and private components (total R&D spending as % of GDP)

STRENGTHS OF R&I SYSTEM

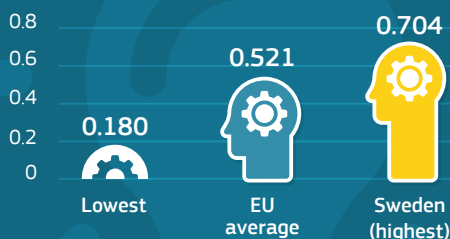
QUALITY OF RESEARCH SYSTEM

INNOVATION RANKING

Sweden is a European leader in terms of scientific excellence and innovation performance



% of scientific publications that are highly cited (top 10%) in other publications (2013)

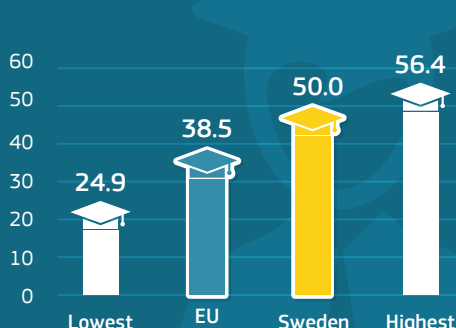


Ranking in European Innovation Scoreboard (2015)

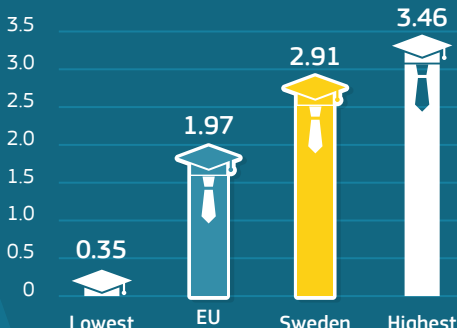
TERTIARY EDUCATION

DOCTORAL GRADUATES

The Swedish R&I system benefits from highly skilled human resources



% 30-34-year olds who have graduated from tertiary education (2015)



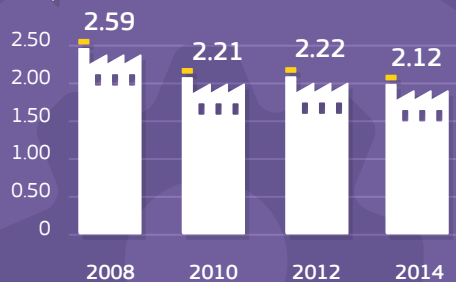
New doctoral graduates per thousand of population aged 25-34 (2014)

KEY CHALLENGES

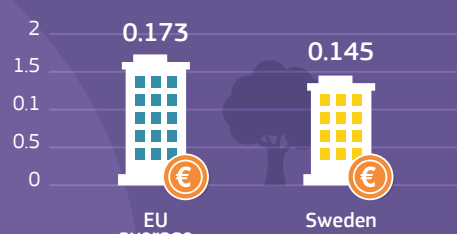
BUSINESS R&D SPENDING

PUBLIC SUPPORT FOR BUSINESS R&D

Sweden faces some difficulties in leveraging or attracting business R&D investment despite the strong quality of its R&I system and significant support from the public sector



Business R&D Expenditure on R&D (BERD) as % of GDP

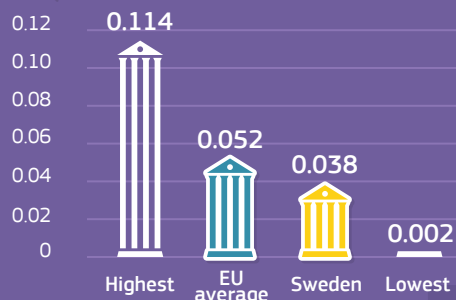


Public sector support for business R&D expenditure (BERD) as % of GDP (2011)

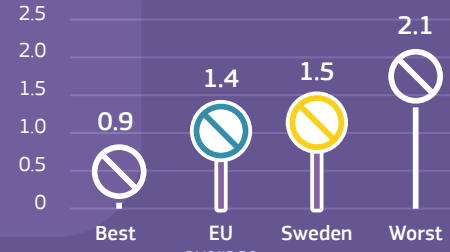
PUBLIC-PRIVATE COOPERATION

PRODUCT MARKET REGULATION

The cooperation between academia and business is sub-optimal, and the product market environment is still not competitive enough to allow the full exploitation of SMEs' innovation potential



Public-performed R&D financed by business, as % of GDP (2013)



OECD product market regulation rating and ranking (2013)

RECOMMENDATIONS

ROOM FOR IMPROVEMENT

- Ensure an **effective coordination of R&I policies and programmes** which support innovative SMEs and start-ups as well as academia-business cooperation
- Fully exploit the new Innovation Council** to boost and promote the long-term competitiveness of the Swedish economy
- Keep on assuring an **appropriate supply of highly skilled human capital**, in particular in science and engineering, in the long run

HORIZON 2020 POLICY SUPPORT FACILITY ACTIVITIES

- Sweden has participated in the **Mutual Learning Exercises on Evaluation of complex public-private partnerships, Alignment and interoperability of research programmes** (phase I: national coordination), **Evaluation of business R&D grant schemes** and **Performance-based funding of public research**