

Research in Norway

Facts and figures 2017

Research is of decisive importance when it comes to ensuring that Norway is a knowledge-based and innovative society, well positioned for changes.



Norway spends
1.93%
of its GDP on R&D



Amounting to USD
7 billion
in 2015



Norway has
38 higher education
institutions
including 8 universities



In 2015 over
42,000
researchers and academic
staff participated in R&D



In 2016 a total of
1,410
PhDs were awarded



38% of PhDs to foreigners and
48%
to women

Priority Areas

The government has identified six broad priority areas in the Long-term Plan for Research and Higher Education (2015–2024):

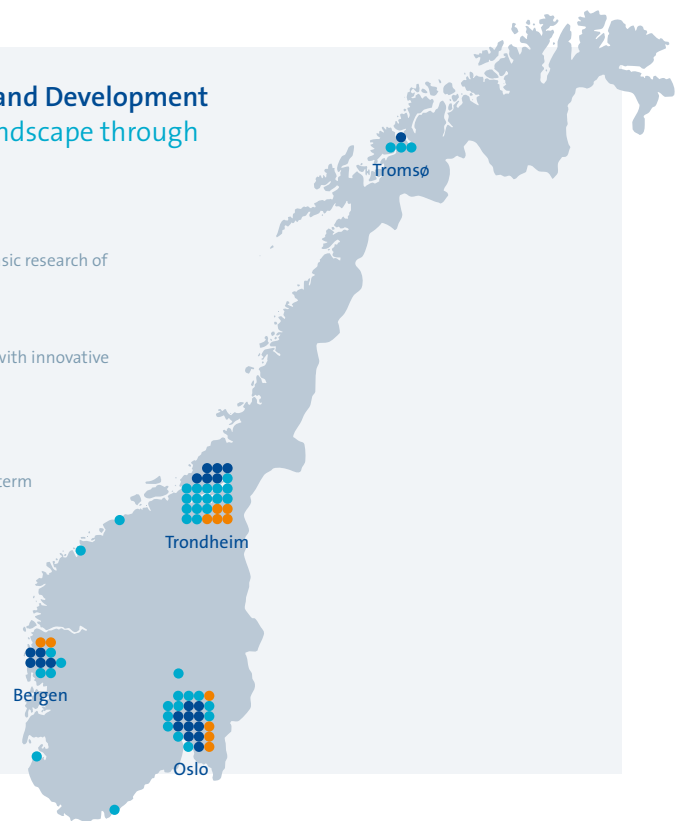
- > Seas and oceans
- > Climate, environment and clean energy
- > Public sector renewal, better and more effective welfare, health and care services
- > Enabling technologies
- > Innovative and adaptable industry
- > World-leading academic groups

Strong Norwegian research fields

- > Arctic research
- > Climate change
- > Clinical medicine
- > Geology and earth sciences
- > Marine and maritime activities
- > Petroleum technology
- > Public administration
- > Renewable energy

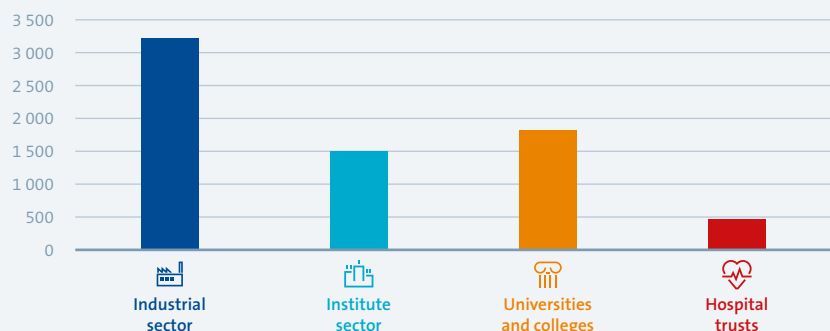
Centres for Research and Development Changing the R&D landscape through centres of excellence

- are dedicated to long-term basic research of high international calibre.
- are working in close alliance with innovative enterprises.
- are conducting focused long-term research of high international calibre in order to solve specific challenges.



R&D expenditure by type of institution in 2015

Million USD



Source: NIFU

Photo collage: Research Council of Norway



May Britt Moser, Edvard Moser and John O'Keefe won the Nobel prize in Medicine in 2015. The Mosers lead a Centre of Excellence on Neural Computation at NTNU, Trondheim.

Horizon 2020 & the EEA Grants

- Norway participates in the Horizon 2020 programme on the same terms as EU member states.
- > Norway participates (May 2017) in 4,7 % of all Horizon 2020 projects.
 - > Horizon 2020 is our main platform for international cooperation.
 - > RCN encourages researchers and companies who have not yet applied for Horizon 2020 funding to give the opportunities it provides for interdisciplinary cooperation, high-quality research and innovation a try.
 - > Norway currently participates in research programmes with most of the countries that have entered into agreements for research cooperation through the EEA funds.



Norway participates in **4.7%** of all Horizon 2020 projects

Bilateral research cooperation

Norway has developed roadmaps for research cooperation with eight countries outside of the EU/EEA



Interactive map: click on country to download PDF

The business sector

The business sector is the largest R&D-performing sector in Norway, counting for more than 50 per cent of total R&D investments. However, the sector's relative size is somewhat smaller than what is common internationally. Norway has a high rate of industry related to raw materials, and a lower rate in the typical R&D-performing sectors. Nevertheless, Norway is among the countries with the highest R&D growth in the business sector over the past few years, with an increasing share of GDP related to R&D. There are large exporting companies investing actively in R&D particularly in ocean-based, energy, process, manufacturing and bio-based industries.

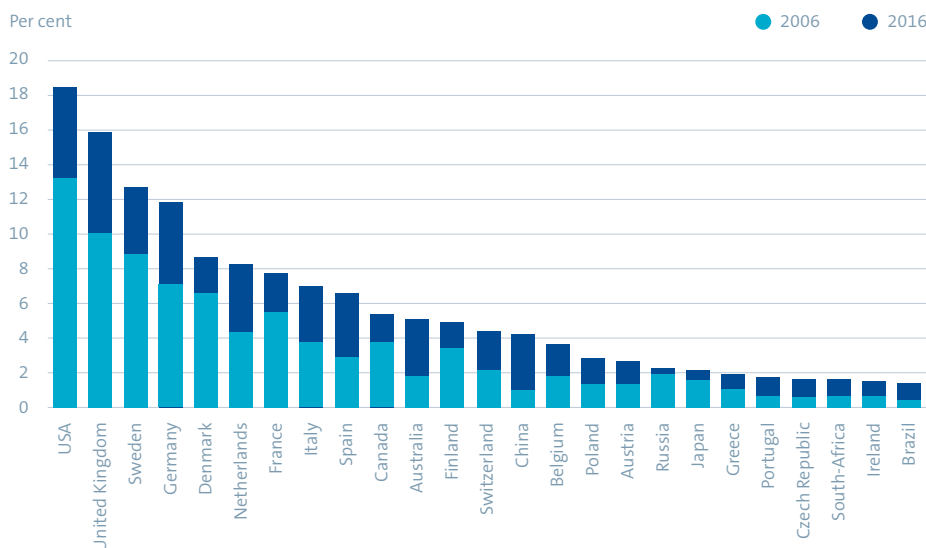


Business sector R&D increased **12%** from 2014 to 2015

Co-authorship between Norway and other countries, 2006 and 2016

Proportion of the total Norwegian article production with co-authors from different countries¹

Norwegian researchers publish more internationally and collaborate more with international researchers.



¹ Limited to the 25 most frequent collaborative countries in 2016. Source: Data: Clarivate analytics. Computations: NIFU

Norway has 8 universities:

The Research Council of Norway

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