

Decrease in Nordic R&D expenditure for 2012

In 2012 resources for research and experimental development (R&D) in the Nordic countries amounted to 308 billion NOK. The preliminary numbers show a real decrease of 0.6 per cent from 2011 until 2012, whereas between 2010 and 2011 R&D expenditure increased in real terms by 2 per cent. The decrease in the Finnish R&D expenditure explains the latest development.

Over time, the Swedish share of Nordic R&D decreases while the Danish share increases

In 2012, the Swedish share represented 41 per cent of the Nordic R&D expenditure, while the Finnish share is 22 per cent, Denmark 21 per cent, Norway 16 per cent and Iceland 1 per cent (2011). Over the last decade, the Swedish share has decreased the most, while the Danish and Norwegian shares have increased the most. From 2011, Finland's share has decreased, while the other Nordic countries' shares have had the largest increase. Iceland has not yet published their 2012 R&D statistics.

R&D expenditure in the Nordic countries in 2012¹ by sector of performance and as a share of GDP. Billions in national currency.

Sector of performance	Denmark		Finland		Iceland (2011)		Norway		Sweden	
	DKK	%	EUR	%	ISK	%	NOK	%	SEK	%
Business enterprise sector ²	35 771	66	4 695	69	20 550	53	25 207	52	81 963	68
Government sector	1 400	3	662	10	8 132	21	7 889	16	6 161	5
Higher education sector	17 308	32	1 475	22	10 375	27	15 039	31	32 787	27
Total	54 478	100	6 832	100	39 057	100	48 135	100	120 911	100
Share of GDP in % in 2012	3.0		3.6		..		1.7		3.4	
Share of GDP in % in 2011	3.1		3.8		2.4		1.7		3.4	
Share of GDP in % in 2010	3.1		3.9		..		1.7		3.4	
Share of GDP in % in 2009	3.1		4.0		3.1		1.8		3.6	
Share of GDP in % in 2008	2.9		3.7		2.7		1.6		3.7	

¹ Preliminary numbers.

² Business enterprise sector includes industry's intramural R&D and research institutes serving the industrial sector.

Government sector includes research institutes (and other government agencies performing R&D) who are mainly controlled and financed by government. Private non-profit sector (PNP) is in this table included in government sector.

Source: Eurostat and national statistical producers.

Real decrease in Finland and Iceland

From 2011 to 2012, R&D expenditure for the Nordic countries experienced a real decrease¹ of 0.6 per cent. This is due to the development in Finland. The trend is even more negative for Iceland from 2009 to 2011. The most positive development from 2011 until 2012, was in Norway, followed by Sweden and Denmark.

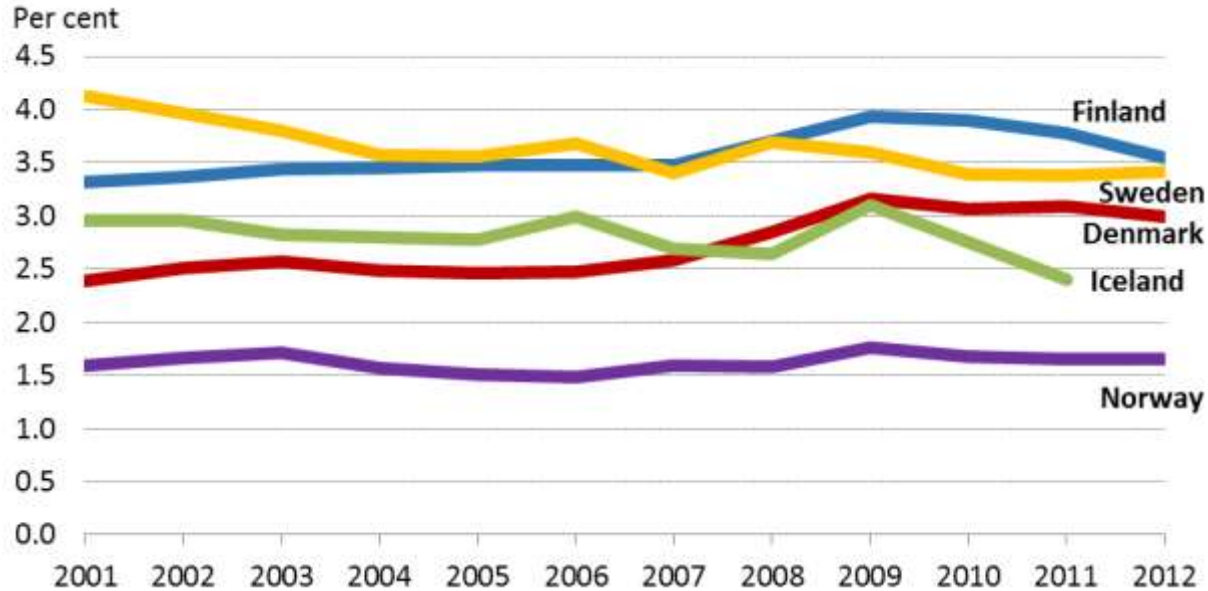
No increase in GDP shares

Despite the Finnish decrease in R&D expenditure, the country still ranks on top among the Nordic countries concerning R&D expenditure as a proportion of the gross national product (GDP). Over the last ten years (2002–2012), this indicator ranks Sweden and Finland on top among the Nordic countries. Finland passed Sweden in 2009, with a share of almost 4 per cent. Since, the level has decreased, and in 2012 the share was 3.6 per cent. The Swedish share decreased from 3.7 per cent in 2008 to 3.4 per cent in 2011, but increased slightly in 2012. In Denmark, the level of R&D expenditure as a proportion of GDP has been lower;

¹ Real growth is calculated in PPP\$ (purchasing power parity), a price-level indicator adjusting for currency and purchasing powers.

almost 3 per cent in 2012. The Icelandic R&D share of GDP decreased significantly from 3.1 per cent in 2009 to 2.4 per cent in 2011. Norway, with its high level of GDP, has for the whole period had a low level of R&D as a share of GDP; between 1.5 and 1.8 per cent, and the same percentage the last 3 years.

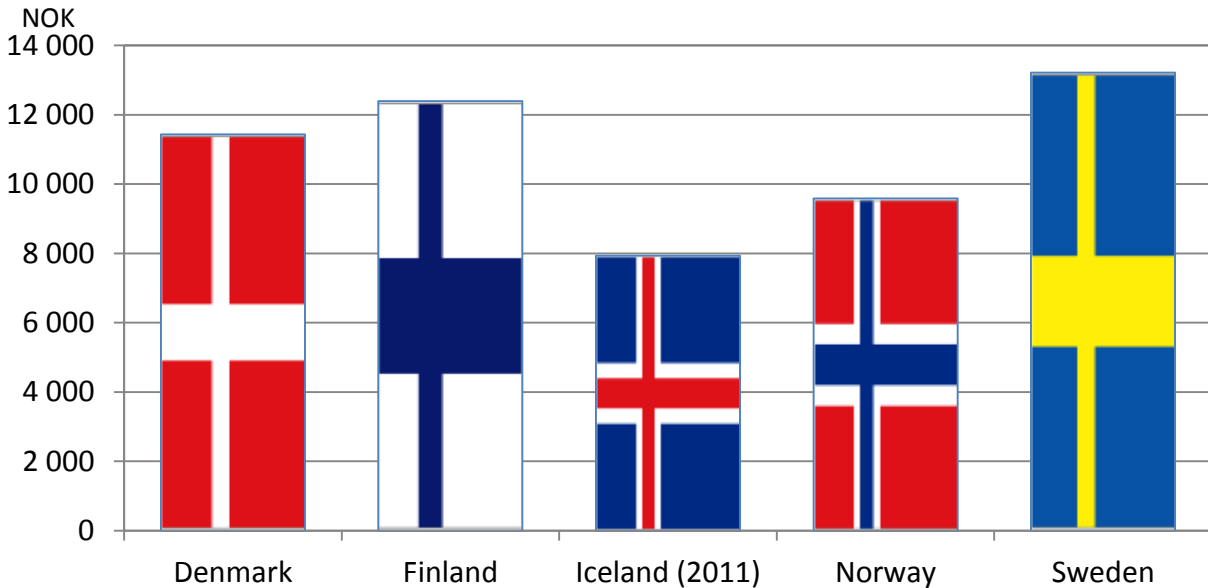
R&D expenditure as a share of GDP in the Nordic countries. 2002–2012. Per cent.



Highest R&D expenditure per capita in Sweden

R&D intensity measured as R&D expenditure per capita ranks Sweden on top with over 13 000 Norwegian kroner (NOK) in 2012. Finland and Denmark follow: 12 400 NOK and 11 400 NOK respectively. R&D expenditure per capita for Norway in 2012 was 9 600 NOK, and almost 8 000 NOK for Iceland (2011).

R&D expenditure per capita in the Nordic countries: 2012. NOK.



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