

# NORWAY

# i2010 Annual Report 2007

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Information Society and Media



As for broadband, Norway has grown rapidly from a somewhat slower initial take-up than the other Nordic countries into having one of the highest number of broadband connections at home in Europe, according to Eurostat household figures.

## Norway Today

With a continued high conversion rate, broadband now accounts for more than 80% of all home connections, meaning future growth potential mostly lies in increased overall take-up. Use is very high, and for online media and financial use only surpassed by Iceland. Like a few of the countries with the most active user base, the use in public access points is also very high.

eGovernment supply levels are solid, although Norway has fallen slightly from being among the absolute top levels during a year of delayed developments. Use of eGovernment services among citizens is, however, still the second highest and most consistent in Europe. Perhaps reflecting service types and business structure, enterprises are very high users of advanced services, but not even in the top ten list of Europe for overall use. ICT maturity in schools is overall very high. The number of PCs is especially high, whereas broadband connectivity and actual use by teachers are somewhat lower.

The Norwegian workforce is among the most skilled in Europe, and has the second highest share of employees with expert ICT-skills. Internet use at work is high. Business use of online services and eCommerce is also very advanced. However, use of fully integrated business systems and eBusiness tools is only around the EU average, and growth here has been slow.

Use of eSignatures is, like for other high-performers like Finland and Iceland, still among the lowest in Europe, which might reflect other solutions or structures at play. Enterprises have a steadily growing and high broadband connectivity rate.

<b>Broadband</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>EU25</b>	<b>Rank</b>
Total DSL coverage (as % of total population)	68.0	82.0	88.4		87.4	15
DSL coverage in rural areas (as % of total population)			82.7		65.9	7
Broadband penetration (as % of population)					15.7	
DSL penetration (as % of population)					12.8	
Predominant download speed						
Households having broadband (as % of those having access to the internet at home)	37.8	49.9	64.7	83.0	62.1	3
% of enterprises with broadband access	46.9	60.3	78.0	86.1	74.5	6
Number of 3G subscribers per 100 inhabitants			2.5		5.0	9
Digital Television in households					30.6	
Music: number of single downloads per 100 inhabitants						
<b>Internet Usage</b>						
% population who are regular internet users	65.8	67.9	73.7	76.7	46.7	4
<b>Take up of internet services (as % of population)</b>						
Sending emails	64.4	65.8	68.2	72.3	43.8	5
Looking for information about goods and services	61.3	61.9	66.8	73.7	42.9	3
Internet telephoning or videoconferencing	4.2	5.5	7.6	13.3	7.1	6
Playing/downloading games and music	23.5	22.8	25.6	36.6	18.2	2
Listening to the web radio/watching web tv	17.4	21.3	24.4	34.5	11.8	2
Reading online newspapers/magazines	53.7	56.2	59.9	64.9	19.0	2
Internet banking	48.6	54.5	61.9	66.5	22.0	2
<b>Places of access</b>						
% at home	60.2	62.0	67.4	73.4	42.6	5
% at work	39.8	40.6	46.6	47.1	23.0	2
% at educational place	12.5	12.9	12.3	12.0	8.0	4
% at PIAP	13.9	19.1	7.3	10.9	6.8	4
<b>eGovernment Indicators</b>						
% basic public services for citizens fully available online	40.0	40.0		60.0	36.8	6
% basic public services for enterprises fully available online	57.1	75.0		87.5	67.8	3
% of population using e-Government services	43.4	37.3	51.7	57.5	23.8	2
of which for returning filled in forms	13.2	8.5	20.6	28.2	8.1	2
% of enterprises using e-Government services	64.8	68.7	83.5	74.1	63.7	14
of which for returning filled in forms	23.0	40.0	59.2	62.3	44.8	4
<b>ICT in schools</b>						
Number of computers connected per 100 pupils				22.7	9.9	2
% of schools with broadband access				89.0	67.0	7
% of teachers having used the computer in class during the last 12 months				89.4	74.3	5
<b>e-Commerce</b>						
E-commerce as % of total turnover of enterprises	6.2	7.5	14.7	13.9	11.7	6
% enterprises receiving internet orders	11.6	20.0	19.8	24.9	13.9	4
% enterprises purchasing on the internet		47.3	57.2	65.7	37.9	2
<b>e-business. % enterprises:</b>						
with integrated internal business processes	30.5	30.4	33.8	34.3	37.3	14
with integrated external business processes	10.5	12.0	13.4	15.3	13.5	8
Security: % enterprises using Secure servers	26.2	31.4	53.7	59.2	41.0	2
% using digital signatures for authentication	10.0	5.2	7.5	8.6	14.3	24
<b>Employment and Skills</b>						
% employees using computers connected to the Internet	50.7	48.7	52.2	50.4	36.1	4
% of persons employed with ICT user skills.	19.4	19.5	19.5	19.5	18.5	8
% of persons employed with ICT specialist skills	4.6	4.5	5.1	4.7	3.1	2
<b>Indicators on growth of ICT sector and R&amp;D</b>						
ICT sector share of total GDP					5.5	
ICT sector share of total employment					4.0	
ICT sector growth (constant prices).					3.6	
R&D expenditure in ICT by the business sector, as % of GDP					0.3	
=== as % of total R&D expenditure					25.7	