

i2010 Annual Report 2007



Information Space
Innovation & Investment in R&D
Inclusion



Sweden is placed among the top nations in most i2010 indicators and is firmly within the group of leading countries in European information society development. However, there are signs that aside from a group of very advanced enterprise users, there is still a sizeable group not using eBusiness tools at a level matching the overall development in Sweden.

Sweden Today

Sweden has the 4th highest number of broadband connections at home in the EU. About two thirds of connections are Digital Subscriber Line (DSL) based but there are also around 300,000 fibre connections, the highest in Europe. Swedish citizens are among the most active users of the internet in the EU in every regard except internet telephony. High broadband penetration translates into a vibrant and competitive market for music downloads with very high use and very low prices. Sweden is one of few countries with significant 3G use and is highly developed in digital TV.

eGovernment levels are generally high. Enterprises use of public services is above average but below the top performing countries. ICT availability in schools is high, and use by teachers in class is especially widespread.

Basic ICT skills within the workforce are above average. Investment in ICT-related R&D is the second highest in Europe and comprises around one third of total R&D. The enterprise broadband connectivity rate is over 80% but businesses do not have the same level of use as citizens: While eCommerce use is high in Sweden, only 25% of businesses are using fully integrated business processes, well below average. This divide in use is a trait shared with a handful of other countries, like Ireland, Norway and the UK.

Swedish ICT Policy

The Swedish ICT policy aims to create a sustainable information society for all through the achievement of three sub-goals:

Quality: In January 2006 a new strategy for electronic management in central Government was decided including targets for public procurement, electronic purchasing and email handling. Similar measures are taken at the level of municipalities, counties and regions. Efforts are underway to unify the IT infrastructure for the public sector.

Sustainable Growth: The Swedish National Agency for School Improvement is to promote the development of ICT in preschools, schools and adult education. The Swedish Business Development Agency is examining opportunities for telework in sparsely populated areas. In 2006 a three-year programme aimed at stimulating the use of eID was initiated. Various measures address gender equality in the IT sector.

Availability: The "broadband support" initiative to expand IT infrastructure with high transfer capacity in sparsely populated areas has been prolonged until the end of 2007. Plans are underway to ensure that the SITIC (the national centre for IT disruption) can handle future challenges related to IT disruptions.

Broadband	2003	2004	2005	2006	EU25	Rank
Total DSL coverage (as % of total population)	95.0	96.0	93.5		87.4	8
DSL coverage in rural areas (as % of total population)			66.0		65.9	14
Broadband penetration (as % of population)	10.2	13.6	19.3	24.5	15.7	4
DSL penetration (as % of population)	5.9	8.4	12.5	16.0	12.8	6
Predominant download speed			1-2Mbps			
Households having broadband (as % of those having access to the internet at home)			55.4	65.9	62.1	14
% of enterprises with broadband access	62.2		82.5	88.9	74.5	3
Number of 3G subscribers per 100 inhabitants			8.3		5.0	5
Digital Television in households			44.3		30.6	3
Music: number of single downloads per 100 inhabitants			44.4			2
Internet Usage						
% population who are regular internet users	69.3	75.3	75.9	79.8	46.7	2
Take up of internet services (as % of population)						
Sending emails	66.2	63.6	67.4	73.6	43.8	4
Looking for information about goods and services	64.0	59.3	69.8	74.0	42.9	2
Internet telephoning or videoconferencing	3.3	3.8	4.5	8.6	7.1	12
Playing/downloading games and music	26.8	23.1	31.4	33.8	18.2	4
Listening to the web radio/watching web tv	14.7	12.7	20.5	28.5	11.8	3
Reading online newspapers/magazines	30.0	28.0	39.1	41.3	19.0	6
Internet banking	38.3	40.3	50.7	56.9	22.0	6
Places of access						
% at home	65.3	69.3	70.7	77.1	42.6	2
% at work	35.7	36.9	39.7	38.4	23.0	6
% at educational place	12.7	11.4	11.8	11.8	8.0	5
% at PIAP	7.6	8.2	5.1	4.8	6.8	17
eGovernment Indicators						
% basic public services for citizens fully available online	54.5	63.6		63.6	36.8	4
% basic public services for enterprises fully available online	85.7	87.5		87.5	67.8	3
% of population using e-Government services	44.0	38.6	51.7		23.8	
of which for returning filled in forms	11.5	11.3	21.4		8.1	
% of enterprises using e-Government services		91.8	79.6	80.1	63.7	9
of which for returning filled in forms	40.3	52.6	47.8	52.8	44.8	13
ICT in schools						
Number of computers connected per 100 pupils				16.5	9.9	6
% of schools with broadband access				89.0	67.0	7
% of teachers having used the computer in class during the last 12 months				90.9	74.3	3
e-Commerce						
E-commerce as % of total turnover of enterprises	12.3			13.6	11.7	8
% enterprises receiving internet orders	8.9	19.4	22.4	23.4	13.9	5
% enterprises purchasing on the internet		68.4	66.7	70.0	37.9	1
e-business. % enterprises:						
with integrated internal business processes	23.2	24.9	25.3	28.0	37.3	17
with integrated external business processes	6.5	8.9	8.3	8.8	13.5	20
Security: % enterprises using Secure servers	42.9	49.1	53.7	57.9	41.0	4
% using digital signatures for authentication	13.7	15.2	16.1	17.5	14.3	4
Employment and Skills						
% employees using computers connected to the Internet	50.1	52.1	53.3	52.9	36.1	3
% of persons employed with ICT user skills.	19.3	20.0	18.9	19.4	18.5	9
% of persons employed with ICT specialist skills	4.7	4.4	4.9	4.9	3.1	1
Indicators on growth of ICT sector and R&D						
ICT sector share of total GDP	6.3				5.5	8
ICT sector share of total employment	5.5				4.0	2
ICT sector growth (constant prices).	3.0				3.6	9
R&D expenditure in ICT by the business sector, as % of GDP	1.0				0.3	2
=== as % of total R&D expenditure	32.8				25.7	4