

# ROMANIA

# i2010 Annual Report 2007

European Commission  
Information Society and Media



Information Space  
Innovation & Investment in R&D  
Inclusion



**Although data on Romania is incomplete, it is clear that it is at a relatively early stage in the development of the information society.**

### **Romania Today**

The percentage of Romanians regularly using the internet is currently the lowest in Europe.

Around one third of homes with internet access have broadband, a figure well below EU average. Use of internet services is among the lowest in Europe in all measured services, including eGovernment services. The low level of fixed telephone network penetration in Romania is clearly one of the main obstacles for the development of broadband and internet use.

Both user and specialist ICT skills among employees and employee use of the internet are very low. While the number of employees with user skills is increasing, specialist skill levels have shown a slight decrease lately.

<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)					87.4	
DSL coverage in rural areas (as % of total population)					65.9	
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)				36.6	62.1	26
% of enterprises with broadband access		7.0			74.5	
Number of 3G subscribers per 100 inhabitants					5.0	
Digital Television in households					30.6	
Music: number of single downloads per 100 inhabitants						
<b>Internet Usage</b>						
% population who are regular internet users		9.9		18.4	46.7	29
<b>Take up of internet services (as % of population)</b>						
Sending emails		9.7		16.3	43.8	29
Looking for information about goods and services		4.9		10.0	42.9	29
Internet telephoning or videoconferencing		0.6		2.5	7.1	28
Playing/downloading games and music		5.0		10.7	18.2	27
Listening to the web radio/watching web tv		1.6		4.5	11.8	28
Reading online newspapers/magazines		3.0		6.8	19.0	28
Internet banking		0.4		0.6	22.0	29
<b>Places of access</b>						
% at home		4.9		11.0	42.6	29
% at work		4.3		7.4	23.0	29
% at educational place		2.2		4.3	8.0	26
% at PIAP				2.5	6.8	27
<b>eGovernment Indicators</b>						
% basic public services for citizens fully available online					36.8	
% basic public services for enterprises fully available online					67.8	
% of population using e-Government services				2.9	23.8	26
of which for returning filled in forms		1.1		0.6	8.1	26
% of enterprises using e-Government services		30.9			63.7	
of which for returning filled in forms		11.6			44.8	
<b>ICT in schools</b>						
Number of computers connected per 100 pupils					9.9	
% of schools with broadband access					67.0	
% of teachers having used the computer in class during the last 12 months					74.3	
<b>e-Commerce</b>						
E-commerce as % of total turnover of enterprises					11.7	
% enterprises receiving internet orders		2.2			13.9	
% enterprises purchasing on the internet		1.9			37.9	
<b>e-business. % enterprises:</b>						
with integrated internal business processes		49.8			37.3	
with integrated external business processes		36.3			13.5	
Security: % enterprises using Secure servers		10.8			41.0	
% using digital signatures for authentication		3.5			14.3	
<b>Employment and Skills</b>						
% employees using computers connected to the Internet		7.2			36.1	
% of persons employed with ICT user skills.			8.4	9.1	18.5	27
% of persons employed with ICT specialist skills			2.4	2.3	3.1	25
<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	