

Statistical annex

The Digital Economy 2008

This annex includes some background information to the publication *The Digital Economy 2008* and is arranged by chapter. These fifteen tables belong to chapters 2, 4, 5, 7 and 8.

Chapter 2

Table 2.3
Vacancies in the ICT sector and the rest of the economy, 1995–2007¹⁾

	ICT sector			Rest of the economy			Total		
	Vacancies	Jobs ³⁾	Vacancy rate ²⁾	Vacancies	Jobs ³⁾	Vacancy rate ²⁾	Vacancies	Jobs ³⁾	Vacancy rate ²⁾
	<i>x 1,000</i>	<i>number</i>		<i>x 1,000</i>	<i>number</i>		<i>x 1,000</i>	<i>number</i>	
1995	3.7	149	25	58.6	5,529	11	62.3	5,677	11
1996	5.2	160	33	63.8	5,709	11	69.0	5,869	12
1997	8.1	171	48	83.4	5,897	14	91.6	6,067	15
1998	12.9	187	69	116.0	6,075	19	128.9	6,262	21
1999	15.5	224	69	155.2	6,470	24	170.7	6,694	26
2000	12.7	238	53	170.7	6,633	26	183.4	6,871	27
2001	9.0	240	37	161.7	6,759	24	170.7	6,999	24
2002	2.2	217	10	112.9	6,839	17	115.1	7,056	16
2003	2.4	209	12	78.9	6,786	12	81.3	6,995	12
2004	6.0	202	30	103.3	6,727	15	109.3	6,929	16
2005	8.9	210	42	143.9	6,766	21	152.8	6,975	22
2006	12.5	216	58	188.0	7,476	25	200.5	7,692	26
2007*	12.4	208	60	213.5	7,648	28	225.9	7,856	29

¹⁾ The ICT sector is defined as the SIC 30, 3130, 3210, 3220, 3230, 3320, 3330 (ICT manufacturing) and 6420, 72 (ICT services).

²⁾ The vacancy rate is defined as the number of vacancies per 1,000 jobs.

³⁾ As of 2006 jobs are based on data from the policy administration. This created a break in the outcomes on 2005.

Source: Statistics Netherlands, Vacancy survey, third quarter; Employment and wages survey (until 2006) and the Statistics on employment and wages (since 2006).

Table 2.4
Intermediate use and consumption of ICT goods and services, 2003–2007

	2003	2004	2005	2006	2007
<i>year-on-year volume changes in %</i>					
<i>Total ICT expenditure</i>	1.8	2.3	4.1	5.3	5.4
Intermediate use	0.9	1.8	3.0	4.4	4.5
Consumption	4.2	3.5	6.6	7.2	7.6
<i>Total ICT goods</i>	1.3	7.9	3.5	6.7	8.1
Intermediate use	-1.1	7.0	0.6	2.7	2.8
Consumption	7.0	9.8	10.8	16.4	20.0
<i>Total ICT services</i>	2.0	0.4	4.3	4.8	4.6
Intermediate use	1.5	0.0	3.9	5.0	5.1
Consumption	3.2	1.4	5.2	4.3	3.4

Source: Statistics Netherlands, National accounts 2008.

Table 2.5
Average yearly growth of imports and exports of ICT goods by type, international, 1996–2006

		Telecom- munication	Computer equipment	Electronic components	Audio and video	Other ICT goods
		%				
Canada	Imports	7.3	3.6	-1.8	11.6	6.8
	Exports	7.7	-1.6	0.8	12.4	10.3
Denmark	Imports	13.1	4.4	7.8	6.7	8.7
	Exports	11.5	2.8	6.8	5.5	6.6
Germany	Imports	15.9	8.1	9.0	7.1	9.6
	Exports	10.4	10.9	9.4	6.8	10.2
Finland	Imports	16.5	3.2	9.0	12.4	7.0
	Exports	11.9	-2.2	5.7	11.8	8.4
France	Imports	15.3	3.2	3.4	7.9	6.3
	Exports	9.5	-2.3	3.7	3.3	8.3
Ireland	Imports	14.2	7.6	2.3	4.2	14.6
	Exports	1.5	5.9	8.4	7.1	11.6
Japan	Imports	0.7	3.3	7.7	4.7	6.7
	Exports	-7.9	-2.2	3.9	3.9	5.9
Netherlands	Imports	13.5	10.3	6.9	11.2	8.9
	Exports	13.4	10.3	7.2	13.8	15.6
United Kingdom	Imports	15.1	4.0	-3.7	10.2	6.5
	Exports	21.0	1.1	1.2	3.1	5.9
United States ¹⁾	Imports	13.0	3.2	-2.6	11.5	9.4
	Exports	1.7	0.2	1.2	5.0	6.5
South Korea	Imports	5.9	7.7	11.1	11.1	5.5
	Exports	24.8	12.3	12.0	-1.7	14.0
Sweden	Imports	9.3	4.2	1.4	12.9	5.0
	Exports	3.1	8.4	1.8	17.3	4.7

¹⁾ United States period 1999–2006.

Source: OECD, ITCS database.

Chapter 4

Tabel 4.1
ICT use of companies by sector and company size, 2007

	Internal network	Intranet	Extranet	Internet	Broadband internet	Website internet
<i>% of the total number of companies</i>						
Total	86	32	17	99	86	83
<i>Sector of industry</i>						
Manufacturing	86	30	14	99	86	84
Electricity, gas and water supply	94	94	51	100	100	89
Construction	77	17	7	99	82	74
Trade and repair	86	33	17	99	86	82
Hotels and restaurants	69	11	13	97	75	87
Transport, storage and communication	87	24	16	99	87	73
Financial institutions	97	58	34	100	95	91
Business activities	92	45	25	99	90	88
Health and social work	87	41	19	100	85	85
Other service activities	84	27	16	99	89	87
<i>Company size</i>						
10- 19 employees	80	23	14	98	81	79
20- 49 employees	89	29	16	99	89	84
50- 99 employees	95	49	21	99	92	92
100-249 employees	98	65	31	99	96	92
250-499 employees	99	79	34	99	98	94
500 and more employees	98	85	46	100	98	97

¹⁾ Companies with 10 or more employees.

Source: Statistics Netherlands, ICT use by enterprises 2007.

Chapter 5

Table 5.2.1
Diversity in internet activities by men, 2005–2008¹⁾

Number of internet activities	Number of internet users				Average age of internet users 2008
	2005	2006	2007	2008	
	<i>abs (x 1 million)</i>				<i>years</i>
1	0.2	0.1	0.1	0.1	45
2	0.3	0.2	0.2	0.2	42
3	0.5	0.3	0.4	0.3	36
4	0.7	0.5	0.5	0.5	39
5	0.8	0.8	0.7	0.7	39
6	0.8	0.9	0.9	0.9	39
7	1.0	1.1	1.0	1.1	40
8	0.7	0.9	0.9	1.0	39
9	0.4	0.5	0.7	0.7	38
10	0.1	0.1	0.2	0.2	38
Total	5.4	5.5	5.7	5.7	39

¹⁾ Activities carried out by internet users in the 3 months before the survey.

Source: Statistics Netherlands, ICT use by households and individuals, 2005–2008.

Table 5.2.2
Diversity in internet activities by women, 2005–2008¹⁾

Number of internet activities	Number of internet users				Average age of internet users 2008
	2005	2006	2007	2008	
	<i>abs (x 1 million)</i>				<i>years</i>
1	0.2	0.1	0.1	0.1	51
2	0.3	0.2	0.2	0.2	46
3	0.5	0.4	0.3	0.5	41
4	0.8	0.6	0.6	0.6	39
5	0.8	0.9	0.7	0.8	40
6	0.8	0.9	0.9	0.9	37
7	0.6	0.8	0.8	0.9	38
8	0.5	0.6	0.7	0.8	35
9	0.2	0.3	0.5	0.5	35
10	0.1	0.1	0.2	0.2	36
Total	4.8	5.0	5.2	5.5	38

¹⁾ Activities carried out by internet users in the 3 months before the survey.

Source: Statistics Netherlands, ICT use by households and individuals, 2005–2008.

Table 5.2.3
Diversity of internet activities by less educated individuals, 2005–2008¹⁾

Number of internet activities	Number of internet users				Average age of internet users 2008
	2005	2006	2007	2008	
	<i>abs (x 1 million)</i>				<i>years</i>
1	0.2	0.1	0.1	0.1	46
2	0.3	0.2	0.3	0.3	38
3	0.5	0.4	0.3	0.4	33
4	0.6	0.5	0.6	0.5	32
5	0.5	0.7	0.6	0.6	32
6	0.5	0.5	0.7	0.6	32
7	0.4	0.4	0.5	0.5	35
8	0.2	0.3	0.4	0.3	35
9	0.1	0.1	0.2	0.2	35
10	0.0	0.0	0.0	0.1	41
Total	3.4	3.4	3.7	3.6	34

¹⁾ Activities by internet users in the 3 months before the survey.

Source: Statistics Netherlands, ICT use by households and individuals, 2005–2008.

Table 5.2.4
Diversity in internet activities by individuals with secondary level education, 2005–2008¹⁾

Number of internet activities	Number of internet users				Average age of internet users 2008
	2005	2006	2007	2008	
	<i>abs (x 1 million)</i>				<i>years</i>
1	0.1	0.1	0.1	0.1	51
2	0.2	0.1	0.2	0.1	49
3	0.3	0.2	0.2	0.2	44
4	0.6	0.4	0.3	0.3	43
5	0.6	0.6	0.5	0.5	41
6	0.6	0.7	0.6	0.7	40
7	0.7	0.7	0.7	0.8	38
8	0.4	0.7	0.6	0.7	35
9	0.3	0.3	0.5	0.5	34
10	0.1	0.1	0.2	0.1	33
Total	3.9	4.0	3.9	4.1	39

¹⁾ Activities carried out by internet users in the 3 months before the survey.

Source: Statistics Netherlands, ICT use by households and individuals, 2005–2008.

Table 5.2.5
Diversity in internet activities by highly educated individuals, 2005–2008¹⁾

Number of internet activities	Number of internet users				Average age of internet users 2008
	2005	2006	2007	2008	2008
	<i>abs (x 1 million)</i>				<i>years</i>
1	0.0	0.0	0.0	0.0	57
2	0.1	0.1	0.1	0.0	61
3	0.2	0.1	0.1	0.1	53
4	0.3	0.2	0.2	0.2	48
5	0.4	0.4	0.4	0.3	48
6	0.5	0.5	0.5	0.4	45
7	0.6	0.7	0.6	0.8	43
8	0.5	0.6	0.6	0.7	40
9	0.2	0.3	0.5	0.6	40
10	0.1	0.1	0.2	0.2	39
Total	2.9	3.1	3.3	3.4	43

¹⁾ Activities carried out by internet users in the 3 months before the survey.

Source: Statistics Netherlands, ICT use by households and individuals, 2005–2008.

Chapter 7

Table 7.1
R&D expenditure total and private sector, international, 1996 and 2006¹⁾

		Companies ²⁾	Total ²⁾
		<i>% of GDP</i>	
Netherlands	2006	0.96	1.67
	1996	1.05	1.98
EU-27	2006	1.11	1.76
	1996	1.03	1.66
United Kingdom	2006	1.01	1.78
	1996	1.21	1.86
EU-15	2006	1.20	1.88
	1996	1.10	1.77
Canada	2006	1.03	1.89
	1996	0.96	1.65
France	2006	1.34	2.11
	1996	1.40	2.27
Denmark	2006	1.62	2.43
	1996	1.12	1.84
Germany	2006	1.77	2.53
	1996	1.45	2.19
United States	2006	1.84	2.62
	1996	1.83	2.55
Japan	2006	2.62	3.39
	1996	2.00	2.81
Finland	2006	2.44	3.41
	1996	1.67	2.52
Sweden	2006	2.79	3.73
	1996	2.60	3.47

¹⁾ Total R&D expenditure consists of the gross R&D expenditure of a country. R&D of companies consists of the gross R&D expenditure of the private sector. The table is largely based on preliminary figures and estimates.

²⁾ Sweden 1997 instead of 1996. Canada, Germany, Finland 2007 instead of 2006.

Source: OECD, MSTI.

Chapter 8

Table 8.1.1
Top 10 mobile services in the Netherlands and Finland, 2008

	Netherlands	Finland
	%	
SMS	79	96
MMS	24	76
Email	21	72
Surfing	19	56
Searching services	15	49
News and weather	15	40
Downloading ringtones	15	36
Games	12	32
Downloading icons	12	32
Checking departure times of trains and flights, downloading music and streaming music	11	31

Source: TU Delft, 2008.

Table 8.1.2
Use of mobile services by income, 2008

	Below standard	Standard	Above standard
	% of respondents		
SMS	70	82	80
MMS	19	21	28
Email	20	19	23
Surfing	16	18	20
Ringtones	6	16	16
Icons: pictures, logos, wallpapers	7	15	12
Searching services	14	14	16
Entertainment: games	10	14	11
Streaming music	9	14	11
News and weather	14	13	18
Downloading music	7	13	11
Entertainment: jokes	9	11	10
Chatting	10	11	8
Bank routines	6	9	12
Reservation/purchasing movie, theatre, concert tickets	6	9	8
Travel: departure times of trains and flights	10	8	14
Localisation services	13	8	11
Event-specific services	10	8	10
Reservation/purchasing plane or train ticket	6	7	9
Health services	13	7	8
Micro payments	7	7	8
Travel: hotel presentation; hotel reservations	10	7	7
Security services	4	5	10
Video telephony	4	4	7
Mobile television	4	4	6
Mobile shopping	3	4	6
Share prices	3	3	7

Source: TU Delft, 2008.

Table 8.1.3
Use of mobile services by age, 2008

	15-24	25-34	35-44	45-54	55-64	Over 65
	<i>% of respondents</i>					
SMS	93	89	89	78	71	60
MMS	46	38	30	16	12	10
Surfing	33	29	22	15	8	9
Streaming music	28	18	12	8	6	3
Entertainment: games	28	15	11	10	5	7
Ringtones	26	22	23	12	2	6
Icons: pictures, logos, wallpapers	26	18	15	9	6	3
News and weather	26	14	21	12	11	10
Entertainment: jokes	26	10	10	8	2	7
Downloading music	25	16	12	6	5	4
Email	23	20	19	17	22	26
Searching services	21	18	22	12	6	12
Chatting	21	12	9	9	3	4
Localisation services	20	7	11	11	6	8
Travel: departure times of trains and flights	18	8	15	11	3	12
Event-specific services	15	10	9	11	6	6
Bank routines	13	15	10	13	5	7
Health services	13	10	6	8	9	8
Travel: hotel presentation; hotel reservations	13	7	2	6	6	11
Reservation/purchasing movie, theatre, concert tickets	11	11	9	5	7	7
Video telephony	11	8	6	4	3	3
Security services	11	5	7	8	6	9
Reservation/purchasing plane or train ticket	10	10	7	5	5	12
Mobile shopping	10	4	6	6	3	1
Mobile television	10	4	4	6	3	2
Micro payments	8	12	7	7	2	7
Share prices	8	5	7	2	3	3

Source: TU Delft, 2008.

Table 8.1.4
Developments in the use of mobile services in the Netherlands, 2007–2008

	2007	2008
	<i>% of respondents</i>	
SMS	80	79
MMS	23	24
Email	20	21
Surfing	13	19
Ringtones	17	15
Searching services	15	15
News and weather	12	15
Icons: pictures, logos, wallpapers	10	12
Entertainment: games	9	12
Downloading music	9	11
Travel: departure times of trains and flights	5	11
Streaming muziek		11
Bank routines	7	10
Localisation services	5	10
Entertainment: jokes	5	10
Chatting	9	9
Event-specific services	7	9
Health services	6	9
Reservation/purchasing movie, theatre, concert tickets	6	8
Travel: reservation/purchasing plane or train ticket	2	8
Security services	3	7
Micro payments	3	7
Travel: hotel presentation; hotel reservations	2	7
Video telephony	3	6
Share prices	4	5
Mobile shopping	3	5
Mobile television	1	5

Source: TU Delft, 2008.

Table 8.1.5
Comparing developments in the use of mobile services between Finland and the Netherlands, 2005–2008

	Finland				Netherlands	
	2005	2006	2007	2008	2007	2008
	<i>% of respondents</i>					
SMS	96	96	96	96	80	79
MMS	40	44	61	72	23	24
Email	29	31	34	40	20	21
Surfing	26	31	32	37	13	19
Ringtones	58	54	55	56	17	15
Searching services	67	68	65	76	15	15
News and weather	32	34	32	32	12	15
Icons: pictures, logos, wallpapers	54	49	45	49	10	12
Entertainment: games	16	18	14	32	9	12
Downloading music	17	14	20	21	9	11
Departure trains, planes	19	17	17	31	5	11
Banking routines	16	16	15	20	7	10
Localisation services	13	13	12	21	5	10
Health services	13	16	12	13	6	9
Reservation/purchasing movie, theatre, concert tickets	14	16	12	30	6	8
Reservation/purchasing plane or train ticket	10	12	9	29	2	8
Micro payments	23	27	26	32	3	7
Hotel presentation; hotel reservations	8	10	8	28	2	7
Video telephony	10	10	13	20	3	6
Mobile television	8	7	36	13	1	5

Source: TU Delft, 2008.