

Innovation 2006

Innovation survey final report

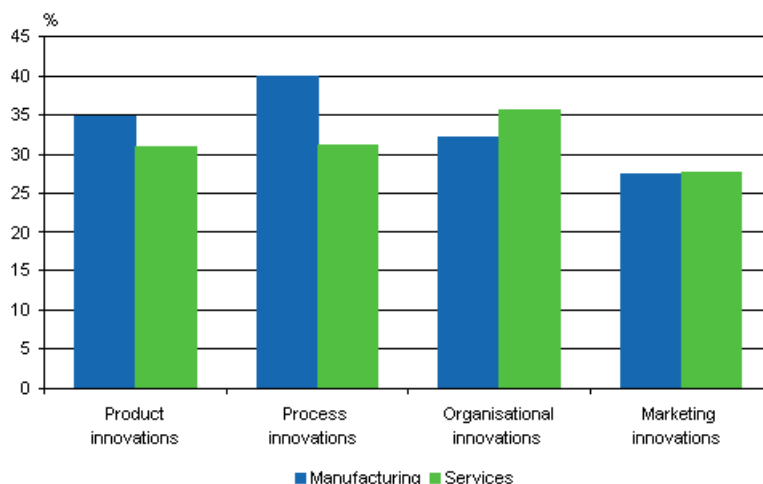
Innovations play a variety of roles in the development of entrepreneurial activity

During the period 2004–2006 enterprises engaged in activity connected with product or process innovations more often than previously. When compared with the previous survey on the years 2002–2004, the number of enterprises with process innovations grew both in manufacturing and in the examined service industries. Additionally, a greater share than previously of the enterprises in the service industries reported product innovations. According to enterprises' reports, the product innovations introduced to the market in 2004–2006 represented a total of 11 per cent of their total turnover in 2006.

In addition to new or improved products and processes, enterprises also innovated in the fields of marketing and organisation. Unlike for product and process innovations, the adoption of organisational innovations in 2004–2006 was more common in services than in manufacturing. Similarly to product and process innovations, the adoption of marketing and organisational innovations became more common with increasing size of enterprise and was more common in group enterprises than in independent enterprises. A large part of the enterprises with innovations reported having made various different types of innovations during the period under examination. Often the different types of innovations in an enterprise were connected to one another.

The data derive from Statistics Finland survey on innovation activity among enterprises in 2004–2006. Key results from this survey were published already in February 2008.

Enterprises introducing innovations in 2004–2006, share of enterprises



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Table 1. Prevalence of innovation activity by size category of personnel, 2004-2006, share of enterprises

	Number of enterprises	Product innovations (goods and services)	Process innovations	Product or process innovations	Innovation projects	Innovation activity	All elements
		%	%	%	%	%	%
Total	8221	33,0	35,6	46,4	29,8	51,4	15,5
Manufacturing, total¹	4224	34,9	39,9	50,4	33,2	55,4	17,6
10 - 19	1554	23,2	27,3	35,8	19,7	40,1	9,3
20 - 49	1465	37,1	40,9	52,3	32,2	58,5	17,2
50 - 99	565	35,0	46,0	58,1	39,2	62,0	17,6
100 - 249	375	50,8	54,9	69,0	52,9	73,7	26,9
250 - 499	140	60,7	65,7	76,6	70,2	81,4	46,7
500 -	126	78,9	81,5	89,0	85,8	95,3	65,9
Services, total	3996	30,9	31,1	42,1	26,2	47,3	13,3
10 - 19	1913	27,2	26,9	36,9	22,8	41,8	11,1
20 - 49	1296	33,7	32,0	44,2	25,2	49,2	13,4
50 - 99	375	32,1	32,4	46,2	27,0	50,5	12,2
100 - 249	254	29,4	38,0	48,8	36,0	56,7	13,9
250 - 499	83	51,4	60,7	66,2	58,2	71,5	40,3
500 -	75	55,9	58,7	71,2	57,8	77,9	40,2

1) Including mining and quarrying, and electricity, gas and water supply.

Table 2. Prevalence of innovation activity by industry, 2004-2006, share of enterprises

	Number of enterprises	Product innovations (goods and services)	Process innovations	Product or process innovations	Innovation projects	Innovation activity	All elements
		%	%	%	%	%	%
Total	8221	33,0	35,6	46,4	29,8	51,4	15,5
Manufacturing, total	4224	34,9	39,9	50,4	33,2	55,4	17,6
Mining and quarrying	52	6,1	32,9	32,9	17,6	35,8	6,1
Food industry	350	50,3	48,1	61,6	36,4	63,4	26,6
Textiles	69	37,5	42,7	51,5	42,7	56,7	27,0
Manufacture of wearing apparel	76	34,9	36,5	44,7	21,6	51,4	0,0
Leather products	28	35,2	4,3	35,2	4,3	35,2	4,3
Wood and wood products	300	29,6	39,6	45,5	25,1	48,5	14,0
Pulp, paper and paper products	76	42,2	48,5	60,2	47,6	70,2	22,3
Publishing and printing	373	18,5	34,2	40,0	24,5	43,4	9,2
Chemicals and chemical products	110	51,2	45,6	65,4	58,1	77,1	28,0
Rubber and plastic products	186	51,1	55,5	65,5	47,3	69,1	31,5
Other non-metallic mineral products	161	39,1	35,5	52,3	39,1	54,3	16,7
Basic metals	64	27,3	34,4	36,1	30,7	49,0	16,1
Metal products	824	22,2	34,9	40,7	25,8	47,5	10,8
Machinery and equipment	564	45,7	39,2	55,7	37,4	63,1	21,6
Electrical machinery and apparatus	148	55,7	51,0	66,8	45,1	68,9	26,5
Computers and communication equipment	85	65,3	52,9	75,7	57,2	75,7	33,4
Instruments	117	62,0	33,2	63,4	40,5	67,8	28,4
Motor vehicles	71	43,9	55,0	55,0	49,8	57,5	42,3
Other transport equipment	84	19,2	26,6	35,5	22,5	39,9	9,2
Other manufacturing	256	35,0	43,4	52,3	35,7	56,7	18,4
Electricity, gas, steam and hot water supply	165	13,4	34,3	40,6	26,7	44,9	7,2
Collection, purification and distribution of water	65	4,6	40,8	40,8	11,5	50,0	0,0
Services, total	3996	30,9	31,1	42,1	26,2	47,3	13,3
Wholesale trade	1324	36,4	33,8	48,6	24,8	53,3	11,5
Transport	1202	12,1	20,5	24,4	13,9	28,9	4,5
Post and telecommunications	120	46,0	56,0	61,5	45,0	70,6	34,0
Financial intermediation	282	30,6	23,4	36,1	17,4	44,7	6,9
Insurance and pension funding	62	37,0	30,8	38,6	27,4	42,3	20,5
Activities auxiliary to financial intermediation	74	58,9	51,1	63,0	35,4	65,7	31,4
Computer and related activities	445	64,0	48,6	70,1	56,7	73,7	37,4
Technical consultancy services	452	20,1	27,0	35,5	28,1	43,1	10,2
Technical testing and analysis	35	70,5	54,9	80,3	70,5	80,3	45,1

Table 3. Prevalence of innovation activity by form of enterprise, 2004-2006, share of enterprises

	Number of enterprises	Product innovations (goods and services)	Process innovations	Product or process innovations	Innovation projects	Innovation activity	All elements
		%	%	%	%	%	%
Total	8221	33,0	35,6	46,4	29,8	51,4	15,5
Manufacturing, total¹	4224	34,9	39,9	50,4	33,2	55,4	17,6
Independent enterprise	2624	31,1	36,5	46,4	27,8	50,9	14,1
Part of domestic group	1179	38,0	42,9	54,0	39,3	60,1	21,1
Part of foreign group	421	50,2	52,5	64,8	49,9	70,1	30,0
Services, total	3996	30,9	31,1	42,1	26,2	47,3	13,3
Independent enterprise	2263	23,7	27,2	36,1	20,8	42,0	7,9
Part of domestic group	931	37,8	34,5	47,6	36,3	52,4	20,6
Part of foreign group	803	43,5	38,1	52,8	29,5	56,3	20,0

1) Including mining and quarrying, and electricity, gas and water supply.

Table 4. Prevalence of innovation activity by level of technology, 2004-2006, share of enterprises

	Number of enterprises	Product innovations (goods and services)	Process innovations	Product or process innovations	Innovation projects	Innovation activity	All elements
		%	%	%	%	%	%
Total	8221	33,0	35,6	46,4	29,8	51,4	15,5
High technology manufacturing	202	63,4	41,5	68,6	47,5	71,1	30,5
Medium-high technology manufacturing	976	45,4	41,8	56,7	40,4	63,1	23,4
Medium-low technology manufacturing	1237	29,1	38,1	45,7	31,1	51,8	15,0
Low technology manufacturing	1528	33,9	40,7	49,8	30,7	53,4	16,6
Knowledge intensive services	1536	40,8	36,8	50,1	36,8	56,1	21,8
Other	2743	23,3	28,3	37,4	19,8	42,0	7,7

Table 5. Proportion of enterprises with innovation activity of turnover and employment by size category of personnel, 2006

	Manufacturing ¹			Services		
	Number of enterprises	Proportion of turnover	Proportion of employment	Number of enterprises	Proportion of turnover	Proportion of employment
		%	%		%	%
Total	2340	90,3	87,0	1889	72,5	70,5
10 - 19	623	37,4	40,4	801	36,9	42,8
20 - 49	857	83,5	58,9	638	76,3	50,9
50 - 99	350	65,1	63,6	189	22,9	51,0
100 - 249	276	89,9	74,2	144	58,5	56,1
250 - 499	114	89,9	82,4	59	80,4	72,9
500 -	120	98,9	98,7	58	95,4	86,4

1) Including mining and quarrying, and electricity, gas and water supply.

Table 6. Prevalence of product (good or service) innovations by size category of personnel, 2004-2006, share of enterprises

	Number of enterprises	Product innovations (goods and services)	Product innovations for a new or improved good	Product innovations for a new or improved service
		%	%	%
Total	8221	33,0	24,7	17,4
Manufacturing, total¹	4224	34,9	31,8	12,8
10 - 19	1554	23,2	20,4	8,6
20 - 49	1465	37,1	33,1	12,7
50 - 99	565	35,0	32,8	11,4
100 - 249	375	50,8	48,5	15,7
250 - 499	140	60,7	56,6	28,7
500 -	126	78,9	75,5	45,6
Services, total	3996	30,9	17,2	22,3
10 - 19	1913	27,2	16,3	18,7
20 - 49	1296	33,7	19,1	23,1
50 - 99	375	32,1	11,8	25,5
100 - 249	254	29,4	19,4	25,6
250 - 499	83	51,4	25,8	40,1
500 -	75	55,9	18,6	52,5

1) Including mining and quarrying, and electricity, gas and water supply.

Table 7. Prevalence of product (good or service) innovations by industry, 2004-2006, share of enterprises

	Number of enterprises	Product innovations (goods and services)	Product innovations for a new or improved good	Product innovations for a new or improved service
		%	%	%
Total	8221	33,0	24,7	17,4
Manufacturing, total	4224	34,9	31,8	12,8
Mining and quarrying	52	6,1	0,0	6,1
Food industry	350	50,3	50,3	9,5
Textiles	69	37,5	37,5	0,0
Manufacture of wearing apparel	76	34,9	28,3	6,7
Leather products	28	35,2	35,2	7,1
Wood and wood products	300	29,6	27,0	11,9
Pulp, paper and paper products	76	42,2	42,2	16,1
Publishing and printing	373	18,5	11,8	15,1
Chemicals and chemical products	110	51,2	51,2	16,0
Rubber and plastic products	186	51,1	46,9	16,2
Other non-metallic mineral products	161	39,1	36,4	15,8
Basic metals	64	27,3	24,9	5,6
Metal products	824	22,2	18,4	9,4
Machinery and equipment	564	45,7	43,8	16,0
Electrical machinery and apparatus	148	55,7	49,5	25,7
Computers and communication equipment	85	65,3	63,7	21,8
Instruments	117	62,0	62,0	17,9
Motor vehicles	71	43,9	43,9	11,0
Other transport equipment	84	19,2	19,2	1,2
Other manufacturing	256	35,0	32,2	17,4
Electricity, gas, steam and hot water supply	165	13,4	3,7	9,7
Collection, purification and distribution of water	65	4,6	0,0	4,6
Services, total	3996	30,9	17,2	22,3
Wholesale trade	1324	36,4	31,0	16,5
Transport	1202	12,1	2,3	12,0
Post and telecommunications	120	46,0	18,7	46,0
Financial intermediation	282	30,6	8,6	29,3
Insurance and pension funding	62	37,0	6,2	37,0
Activities auxiliary to financial intermediation	74	58,9	15,7	58,9
Computer and related activities	445	64,0	34,3	53,2
Technical consultancy services	452	20,1	7,0	13,8
Technical testing and analysis	35	70,5	12,7	70,5

Table 8. Developers of product and process innovations by size category of personnel, 2004-2006, share of enterprises and of enterprises with innovations

	Number of enterprises	Product innovations (goods and services)	Developer of product innovations			Process innovations	Developer of process innovations		
			Own enterprise	Own enterprise together with others	Other enterprises or institutions		Own enterprise	Own enterprise together with others	Other enterprises or institutions
		%	%	%	%	%	%	%	%
Total	8221	33,0	70,3	23,7	6,0	35,6	55,4	34,6	10,0
Manufacturing, total¹	4224	34,9	72,0	23,7	4,3	39,9	54,3	37,0	8,7
10 - 19	1554	23,2	66,8	25,5	7,7	27,3	55,9	30,6	13,6
20 - 49	1465	37,1	71,8	21,7	6,5	40,9	56,5	35,5	8,1
50 - 99	565	35,0	68,6	31,4	0,0	46,0	49,8	45,0	5,2
100 - 249	375	50,8	82,4	17,6	0,0	54,9	57,3	33,9	8,8
250 - 499	140	60,7	74,2	25,8	0,0	65,7	51,8	42,0	6,3
500 -	126	78,9	76,8	23,2	0,0	81,5	42,9	53,7	3,4
Services, total	3996	30,9	68,2	23,6	8,2	31,1	57,0	31,4	11,7
10 - 19	1913	27,2	65,3	26,5	8,1	26,9	53,4	35,7	10,9
20 - 49	1296	33,7	67,6	23,1	9,3	32,0	62,1	23,6	14,3
50 - 99	375	32,1	79,4	14,7	5,8	32,4	69,7	16,9	13,4
100 - 249	254	29,4	75,0	13,4	11,6	38,0	34,6	55,1	10,3
250 - 499	83	51,4	72,4	27,6	0,0	60,7	60,6	32,3	7,1
500 -	75	55,9	61,5	32,8	5,7	58,7	59,1	40,9	0,0

1) Including mining and quarrying, and electricity, gas and water supply.

Table 9. Developers of product and process innovations by industry, 2004-2006, share of enterprises with innovations

	Developer of product innovations			Developer of process innovations		
	Own enterprise	Own enterprise together with others	Other enterprises or institutions	Own enterprise	Own enterprise together with others	Other enterprises or institutions
	%	%	%	%	%	%
Total	70,3	23,7	6,0	55,4	34,6	10,0
Manufacturing, total	72,0	23,7	4,3	54,3	37,0	8,7
Mining and quarrying	100,0	0,0	0,0	62,6	37,4	0,0
Food industry	75,6	21,5	2,9	66,6	30,3	3,1
Textiles	77,5	22,5	0,0	64,7	23,1	12,2
Manufacture of wearing apparel	100,0	0,0	0,0	36,6	59,2	4,2
Leather products	87,8	12,2	0,0	0,0	100,0	0,0
Wood and wood products	86,2	8,7	5,1	72,1	27,1	0,8
Pulp, paper and paper products	65,2	34,8	0,0	52,1	35,9	12,0
Publishing and printing	62,1	30,5	7,3	25,9	46,5	27,6
Chemicals and chemical products	82,4	17,6	0,0	65,6	26,8	7,6
Rubber and plastic products	70,6	24,5	4,8	59,0	35,4	5,6
Other non-metallic mineral products	70,2	22,9	6,9	43,6	37,0	19,4
Basic metals	57,3	42,7	0,0	56,1	38,9	5,1
Metal products	65,7	26,4	7,8	45,7	43,3	10,9
Machinery and equipment	78,9	17,5	3,6	64,4	30,2	5,5
Electrical machinery and apparatus	69,3	25,8	4,9	58,8	37,2	4,0
Computers and communication equipment	79,9	20,1	0,0	59,3	35,4	5,3
Instruments	79,1	20,9	0,0	55,1	42,3	2,6
Motor vehicles	68,9	31,1	0,0	70,6	18,5	10,9
Other transport equipment	70,6	29,4	0,0	37,6	55,7	6,7
Other manufacturing	45,5	49,0	5,4	51,7	46,4	1,9
Electricity, gas, steam and hot water supply	19,9	49,2	30,9	36,0	47,9	16,1
Collection, purification and distribution of water	100,0	0,0	0,0	49,1	22,6	28,3
Services, total	68,2	23,6	8,2	57,0	31,4	11,7
Wholesale trade	62,6	22,1	15,3	53,3	33,2	13,5
Transport	62,7	35,6	1,7	55,6	34,7	9,7
Post and telecommunications	49,3	45,1	5,6	50,8	35,1	14,1
Financial intermediation	39,2	47,4	13,4	44,2	35,3	20,5
Insurance and pension funding	55,3	44,7	0,0	46,3	39,5	14,2
Activities auxiliary to financial intermediation	86,7	0,0	13,3	66,7	30,7	2,6
Computer and related activities	89,3	10,7	0,0	75,4	23,7	0,9
Technical consultancy services	69,4	25,9	4,7	51,0	25,8	23,2
Technical testing and analysis	86,0	14,0	0,0	46,2	35,8	17,9

Table 10. Share of enterprises having produced new products for the market by size category of personnel, 2004-2006

	Number of enterprises	Proportion of all enterprises	Proportion of enterprises with product innovations	Proportion of turnover of all enterprises
		%	%	%
Total	8221	23,0	69,6	7,5
Manufacturing, total¹	4224	24,5	70,0	13,9
10 - 19	1554	15,5	67,1	0,8
20 - 49	1465	26,6	71,6	17,6
50 - 99	565	24,8	71,0	5,2
100 - 249	375	31,7	62,4	1,8
250 - 499	140	47,7	78,6	5,3
500 -	126	60,5	76,7	19,3
Services, total	3996	21,4	69,2	1,4
10 - 19	1913	17,6	64,8	3,4
20 - 49	1296	25,1	74,4	1,8
50 - 99	375	22,2	69,1	1,0
100 - 249	254	19,2	65,4	1,9
250 - 499	83	39,1	76,0	0,5
500 -	75	37,9	67,8	0,6

1) Including mining and quarrying, and electricity, gas and water supply.

Table 11. Share of enterprises having produced new products for the market by industry, 2004-2006

	Number of enterprises	Proportion of all enterprises	Proportion of enterprises with product innovations	Proportion of turnover of all enterprises
		%	%	%
Total	8221	23,0	69,6	7,5
Manufacturing, total	4224	24,5	70,0	13,9
Mining and quarrying	52	6,1	100,0	0,1
Food industry	350	31,7	63,0	2,1
Textiles	69	34,0	90,6	7,1
Manufacture of wearing apparel	76	33,4	95,6	1,4
Leather products	28	23,3	66,2	12,3
Wood and wood products	300	19,2	64,8	1,2
Pulp, paper and paper products	76	38,6	91,5	3,3
Publishing and printing	373	9,0	48,8	0,3
Chemicals and chemical products	110	40,5	79,1	2,7
Rubber and plastic products	186	35,7	69,8	8,9
Other non-metallic mineral products	161	23,7	60,7	3,9
Basic metals	64	23,2	85,0	4,6
Metal products	824	14,7	66,2	3,6
Machinery and equipment	564	32,0	69,9	14,8
Electrical machinery and apparatus	148	31,7	56,9	7,7
Computers and communication equipment	85	61,9	94,8	52,3
Instruments	117	41,7	67,3	6,5
Motor vehicles	71	33,0	75,1	11,9
Other transport equipment	84	17,5	90,7	30,7
Other manufacturing	256	31,1	88,9	5,0
Electricity, gas and water supply ¹	230	5,0	46,0	1,0
Services, total	3996	21,4	69,2	1,4
Wholesale trade	1324	27,2	74,6	1,9
Transport	1202	7,6	62,7	0,2
Post and telecommunications	120	29,7	64,4	1,2
Financial intermediation	282	24,1	78,6	2,1
Insurance and pension funding	62	13,8	37,3	1,6
Activities auxiliary to financial intermediation	74	27,6	46,8	1,0
Computer and related activities	445	43,9	68,6	3,9
Technical consultancy services	452	14,1	70,3	4,4
Technical testing and analysis	35	35,2	50,0	1,8

1) Electricity, gas, steam and hot water supply and collection, purification and distribution of water combined.

Table 12. Proportion of product innovations and unchanged products of turnover by size category of personnel, 2006

	Number of enterprises	Products new to the market	Products new only to the enterprise	Unchanged products
		%	%	%
All enterprises				
Total	8221	7,5	3,7	88,8
Manufacturing, total ¹	4224	13,9	5,4	80,8
10 - 19	1554	0,8	3,1	96,1
20 - 49	1465	17,6	3,8	78,6
50 - 99	565	5,2	5,3	89,6
100 - 249	375	1,8	5,9	92,4
250 - 499	140	5,3	8,0	86,7
500 -	126	19,3	5,4	75,3
Services, total	3996	1,4	2,1	96,6
10 - 19	1913	3,4	0,6	96,0
20 - 49	1296	1,8	2,8	95,3
50 - 99	375	1,0	1,1	97,9
100 - 249	254	1,9	3,5	94,7
250 - 499	83	0,5	5,9	93,6
500 -	75	0,6	1,4	98,0
Enterprises with product innovations				
Total	2713	13,1	6,4	80,4
Manufacturing, total	1476	16,9	6,5	76,6
10 - 19	360	3,0	11,2	85,8
20 - 49	544	23,9	5,2	70,9
50 - 99	198	12,3	12,6	75,1
100 - 249	190	2,3	7,4	90,4
250 - 499	85	7,7	11,7	80,6
500 -	100	20,4	5,7	73,9
Services, total	1236	4,1	6,2	89,6
10 - 19	521	10,1	1,8	88,2
20 - 49	436	6,8	10,4	82,8
50 - 99	120	7,6	8,6	83,8
100 - 249	75	5,9	10,9	83,1
250 - 499	42	0,7	7,9	91,5
500 -	42	2,3	5,1	92,7

1) Including mining and quarrying, and electricity, gas and water supply.

Table 13. Proportions of product innovations and unchanged products of turnover by industry, 2006

	Number of enterprises	Products new to the market	Products new only to the enterprise	Unchanged products
		%	%	%
Total	8221	7,5	3,7	88,8
Manufacturing, total	4224	13,9	5,4	80,8
Mining and quarrying	52	0,1	0,1	99,8
Food industry	350	2,1	10,0	87,9
Textiles	69	7,1	11,1	81,8
Manufacture of wearing apparel	76	1,4	3,1	95,4
Leather products	28	12,3	13,4	74,2
Wood and wood products	300	1,2	2,7	96,1
Pulp, paper and paper products	76	3,3	3,2	93,4
Publishing and printing	373	0,3	4,1	95,6
Chemicals and chemical products	110	2,7	6,1	91,2
Rubber and plastic products	186	8,9	11,0	80,2
Other non-metallic mineral products	161	3,9	4,4	91,7
Basic metals	64	4,6	7,7	87,6
Metal products	824	3,6	3,0	93,4
Machinery and equipment	564	14,8	7,5	77,7
Electrical machinery and apparatus	148	7,7	14,1	78,2
Computers and communication equipment	85	52,3	0,9	46,8
Instruments	117	6,5	14,7	78,8
Motor vehicles	71	11,9	23,0	65,1
Other transport equipment	84	30,7	5,9	63,4
Other manufacturing	256	5,0	2,6	92,4
Electricity, gas and water supply ¹	230	1,0	6,2	92,8
Services, total	3996	1,4	2,1	96,6
Wholesale trade	1324	1,9	2,4	95,7
Transport	1202	0,2	0,5	99,3
Post and telecommunications	120	1,2	12,2	86,6
Financial intermediation	282	2,1	1,1	96,8
Insurance and pension funding	62	1,6	2,7	95,8
Activities auxiliary to financial intermediation	74	1,0	1,8	97,1
Computer and related activities	445	3,9	5,8	90,3
Technical consultancy services	452	4,4	4,5	91,1
Technical testing and analysis	35	1,8	1,9	96,3

1) Electricity, gas, steam and hot water supply and collection, purification and distribution of water combined.

Table 14. Prevalence of process innovations by size category of personnel, 2004-2006, share of enterprises

	Number of enterprises	Process innovations	New manufacturing or production methods	New logistics, delivery or distribution methods	New supporting activities for processes
		%	%	%	%
Total	8221	35,6	22,7	13,8	22,0
Manufacturing, total¹	4224	39,9	29,7	12,9	22,4
10 - 19	1554	27,3	20,0	7,1	14,7
20 - 49	1465	40,9	30,3	11,9	21,7
50 - 99	565	46,0	34,3	16,5	23,9
100 - 249	375	54,9	42,1	16,4	34,1
250 - 499	140	65,7	47,0	30,5	37,1
500 -	126	81,5	64,9	51,7	68,9
Services, total	3996	31,1	15,4	14,8	21,6
10 - 19	1913	26,9	13,8	12,2	18,0
20 - 49	1296	32,0	16,5	17,0	22,5
50 - 99	375	32,4	15,3	12,2	22,5
100 - 249	254	38,0	13,9	17,5	27,7
250 - 499	83	60,7	28,5	22,4	49,9
500 -	75	58,7	29,1	38,4	41,2

1) Including mining and quarrying, and electricity, gas and water supply.

Table 15. Prevalence of process innovations by industry, 2004-2006, share of enterprises

	Number of enterprises	Process innovations	New manufacturing of production methods	New logistics, delivery or distribution methods	New supporting activities for processes
		%	%	%	%
Total	8221	35,6	22,7	13,8	22,0
Manufacturing, total	4224	39,9	29,7	12,9	22,4
Mining and quarrying	52	32,9	18,4	6,1	22,5
Food industry	350	48,1	44,2	13,9	21,5
Textiles	69	42,7	34,3	7,0	18,6
Manufacture of wearing apparel	76	36,5	21,6	20,0	16,4
Leather products	28	4,3	0,0	4,3	0,0
Wood and wood products	300	39,6	35,6	7,0	15,5
Pulp, paper and paper products	76	48,5	45,4	17,5	21,0
Publishing and printing	373	34,2	22,0	16,3	18,5
Chemicals and chemical products	110	45,6	33,8	17,1	25,2
Rubber and plastic products	186	55,5	45,7	23,0	32,4
Other non-metallic mineral products	161	35,5	27,8	14,6	22,1
Basic metals	64	34,4	24,9	7,4	17,5
Metal products	824	34,9	29,0	7,1	18,3
Machinery and equipment	564	39,2	23,8	12,9	23,4
Electrical machinery and apparatus	148	51,0	27,6	19,6	42,3
Computers and communication equipment	85	52,9	46,7	42,1	49,7
Instruments	117	33,2	16,5	12,1	28,2
Motor vehicles	71	55,0	44,8	29,5	22,6
Other transport equipment	84	26,6	21,9	6,2	14,8
Other manufacturing	256	43,4	35,2	17,2	20,6
Electricity, gas, steam and hot water supply	165	34,3	12,1	4,9	29,4
Collection, purification and distribution of water	65	40,8	16,2	0,0	29,2
Services, total	3996	31,1	15,4	14,8	21,6
Wholesale trade	1324	33,8	13,6	19,2	24,5
Transport	1202	20,5	7,5	13,9	14,6
Post and telecommunications	120	56,0	28,6	22,4	37,9
Financial intermediation	282	23,4	7,6	11,2	20,1
Insurance and pension funding	62	30,8	10,8	26,5	12,4
Activities auxiliary to financial intermediation	74	51,1	34,1	7,8	32,7
Computer and related activities	445	48,6	38,9	13,9	30,2
Technical consultancy services	452	27,0	16,3	3,3	18,3
Technical testing and analysis	35	54,9	32,4	32,4	32,4

Table 16. Co-operation in innovation activity by significance of co-operating partner, 2004-2006, share of enterprises with innovation activity

	Importance of co-operation partner			
	High	Medium	Low	No co-operation
	%	%	%	%
All enterprises				
Other enterprises within own enterprise group ¹	23,4	19,3	12,7	44,6
Suppliers of equipment, materials, components or software	11,4	22,9	16,2	49,5
Clients or customers	16,4	23,8	12,4	47,4
Competitors or other enterprises in your sector	2,4	12,4	20,8	64,4
Consultans, commercial labs or private R&D institutes	3,0	11,8	22,3	62,9
Universities or other higher education institutions	4,3	13,2	18,5	64,0
Government or public research institutes	3,3	8,1	16,4	72,1
Manufacturing²				
Other enterprises within own enterprise group	22,5	22,3	15,8	39,4
Suppliers of equipment, materials, components or software	11,7	26,2	16,8	45,3
Clients or customers	17,8	24,0	14,3	43,9
Competitors or other enterprises in your sector	2,2	11,4	23,8	62,6
Consultans, commercial labs or private R&D institutes	3,2	14,2	23,5	59,1
Universities or other higher education institutions	5,5	17,0	18,9	58,7
Government or public research institutes	3,3	9,7	18,1	69,0
Services				
Other enterprises within own enterprise group	24,3	16,1	9,5	50,2
Suppliers of equipment, materials, components or software	11,1	18,7	15,5	54,7
Clients or customers	14,7	23,6	10,0	51,7
Competitors or other enterprises in your sector	2,7	13,6	17,0	66,6
Consultans, commercial labs or private R&D institutes	2,7	8,7	20,9	67,7
Universities or other higher education institutions	2,9	8,5	18,0	70,6
Government or public research institutes	3,4	6,1	14,4	76,1

1) Enterprise groups and enterprises belonging to the group (also in manufacturing and in services).

2) Including mining and quarrying, and electricity, gas and water supply.

Table 17. Share of enterprises indicating high or medium importance of co-operating partner by size category of personnel, 2004-2006, share of enterprises having co-operated with each partner

	Other enterprises within own enterprise group ¹	Suppliers of equipment, materials, etc.	Clients or customers	Competitors or other enterprises in sector	Consultants, commercial labs, private R&D institutes	Universities or other higher education institutions	Government or public research institutes
	%	%	%	%	%	%	%
Total	77,0	67,9	76,5	41,7	39,8	48,7	41,0
Manufacturing, total²	74,0	69,3	74,5	36,4	42,7	54,4	41,8
10-49	68,3	68,7	75,7	37,8	44,3	55,3	40,6
50-249	76,5	66,8	71,5	34,8	35,1	48,3	37,9
250-	76,8	76,5	75,3	34,0	52,0	62,4	49,5
Services, total	80,9	65,8	79,3	49,0	35,3	38,9	39,8
10-49	80,2	65,6	81,1	48,7	33,2	42,9	42,7
50-249	82,7	60,9	68,8	48,5	41,0	33,9	33,2
250-	81,2	74,4	83,3	52,0	40,0	21,3	29,8

1) Concerns only enterprise groups and enterprises belonging to them.

2) Including mining and quarrying, and electricity, gas and water supply.

Table 18. Co-operation in innovation activity by location of co-operating partner, 2004-2006, share of enterprises with innovation activity

	Location of co-operation partner						
	Finland	Other Europe	United States	China	India	All other countries	Co-operation
	%	%	%	%	%	%	%
All enterprises							
Other enterprises within own enterprise group ¹	37,7	25,5	8,5	3,0	1,1	3,5	55,4
Suppliers of equipment, materials, components or software	42,7	18,8	6,0	2,7	1,4	2,3	50,5
Clients or customers	47,5	18,6	6,4	3,0	1,6	5,9	52,6
Competitors or other enterprises in your sector	28,5	15,8	4,6	2,8	1,3	2,8	35,6
Consultans, commercial labs or private R&D institutes	35,2	7,2	2,0	0,6	0,2	0,7	37,1
Universities or other higher education institutions	35,7	4,8	1,3	0,2	0,1	0,4	36,0
Government or public research institutes	27,3	3,6	0,8	0,0	0,0	0,3	27,9
Manufacturing²							
Other enterprises within own enterprise group	44,4	28,0	8,0	4,2	1,1	3,5	60,6
Suppliers of equipment, materials, components or software	47,5	21,9	5,9	3,6	1,5	1,7	54,7
Clients or customers	48,7	23,2	7,5	3,0	1,7	7,1	56,1
Competitors or other enterprises in your sector	29,3	16,7	4,3	3,4	1,2	3,5	37,4
Consultans, commercial labs or private R&D institutes	39,2	8,2	1,8	0,3	0,4	0,8	40,9
Universities or other higher education institutions	41,1	5,2	0,8	0,3	0,1	0,7	41,3
Government or public research institutes	30,6	4,4	0,6	0,1	0,1	0,5	31,0
Services							
Other enterprises within own enterprise group	30,5	22,9	9,0	1,8	1,2	3,5	49,8
Suppliers of equipment, materials, components or software	36,6	15,0	6,2	1,5	1,3	3,1	45,3
Clients or customers	45,9	12,9	5,1	3,1	1,5	4,4	48,3
Competitors or other enterprises in your sector	27,5	14,8	5,0	1,9	1,5	2,1	33,4
Consultans, commercial labs or private R&D institutes	30,3	6,0	2,4	1,0	0,0	0,6	32,3
Universities or other higher education institutions	29,0	4,3	1,8	0,0	0,0	0,1	29,4
Government or public research institutes	23,2	2,7	1,1	0,0	0,0	0,0	23,9

1) Enterprise groups and enterprises belonging to the group (also in manufacturing and in services).

2) Including mining and quarrying, and electricity, gas and water supply.

Table 19. Co-operation in innovation activity by location of co-operating partner and size category of personnel, 2004-2006, share of enterprises with innovation activity

	Number of enterprises	Co-operation %	Location of co-operation partner					
			Finland	Other Europe	United States	China	India	All other countries
			%	%	%	%	%	%
Total	4229	57,7	57,3	32,9	12,7	7,3	3,7	9,2
Manufacturing, total¹	2340	61,6	61,0	36,8	13,5	8,5	3,7	10,5
10 - 19	623	52,3	51,5	23,6	5,9	4,6	1,6	6,6
20 - 49	856	58,6	58,6	27,9	10,1	6,1	3,3	9,1
50 - 99	350	66,4	65,8	39,3	11,4	7,6	2,4	3,8
100 - 249	276	63,6	60,9	57,0	21,2	14,2	5,4	16,3
250 - 499	114	81,1	81,1	65,6	32,5	15,3	6,5	24,3
500 -	120	94,9	93,9	89,0	47,5	28,6	13,7	33,5
Services, total	1889	52,9	52,8	28,0	11,7	5,8	3,7	7,6
10 - 19	801	55,8	55,8	26,3	13,3	7,9	5,6	10,6
20 - 49	638	46,0	46,0	25,0	8,0	3,9	1,6	3,3
50 - 99	189	50,7	50,7	23,0	10,7	2,9	2,7	5,0
100 - 249	144	51,3	49,5	35,0	13,9	4,6	1,5	7,8
250 - 499	59	76,9	76,9	56,9	26,5	12,3	11,9	15,9
500 -	58	76,6	76,6	51,8	13,1	4,7	2,4	13,0

1) Including mining and quarrying, and electricity, gas and water supply.

Table 20. Observed effects of product and process innovations, 2004-2006, share of enterprises with product or process innovations

	Degree of observed effect			
	High	Medium	Low	Not relevant
	%	%	%	%
All enterprises				
Increased range of goods or services	18,3	48,1	22,2	11,3
Entered new markets or increased market share	17,2	42,0	26,6	14,3
Improved quality of goods or services	18,8	50,9	21,5	8,8
Improved flexibility of production or service provision	16,0	44,0	23,1	16,9
Increased capacity of production or service provision	17,0	40,3	24,8	17,9
Reduced labour costs per unit output	11,9	31,6	35,4	21,1
Reduced materials and energy per unit output	5,8	18,5	40,4	35,3
Reduced environmental impacts or improved health and safety	8,0	20,7	34,3	37,0
Met regulatory requirements	10,7	22,0	32,6	34,7
Manufacturing¹				
Increased range of goods or services	17,4	44,5	25,4	12,8
Entered new markets or increased market share	16,6	39,0	29,4	15,0
Improved quality of goods or services	17,4	50,7	22,2	9,7
Improved flexibility of production or service provision	14,3	42,5	25,0	18,1
Increased capacity of production or service provision	19,7	38,7	25,8	15,8
Reduced labour costs per unit output	13,0	32,5	35,0	19,5
Reduced materials and energy per unit output	7,5	20,1	45,3	27,1
Reduced environmental impacts or improved health and safety	8,1	24,4	38,1	29,4
Met regulatory requirements	11,5	21,9	32,9	33,7
Services				
Increased range of goods or services	19,5	52,7	18,3	9,5
Entered new markets or increased market share	18,0	45,7	22,9	13,4
Improved quality of goods or services	20,6	51,2	20,6	7,6
Improved flexibility of production or service provision	18,2	45,8	20,6	15,3
Increased capacity of production or service provision	13,6	42,4	23,5	20,5
Reduced labour costs per unit output	10,4	30,5	36,0	23,1
Reduced materials and energy per unit output	3,7	16,3	34,2	45,7
Reduced environmental impacts or improved health and safety	7,7	16,0	29,6	46,7
Met regulatory requirements	9,7	22,2	32,2	35,9

1) Including mining and quarrying, and electricity, gas and water supply.

Table 21. Enterprises indicating high or medium effects of product and process innovations by size category of personnel, 2004-2006, share of enterprises with product or process innovations

	Number of enterprises	Increased range of goods or services	Entered new markets or increased market share	Improved quality of goods or services	Improved flexibility of production or service provision
		%	%	%	%
Total	3811	66,4	59,2	69,7	60,0
Manufacturing, total¹	2127	61,9	55,6	68,1	56,8
10 - 49	1321	61,5	54,4	68,4	53,8
50 - 249	587	60,4	54,4	66,7	60,2
250 -	219	67,9	65,8	69,7	66,1
Services, total	1684	72,2	63,7	71,8	64,1
10 - 49	1279	75,1	64,9	71,2	64,3
50 - 249	297	66,1	62,9	76,1	64,4
250 -	108	54,4	52,4	67,1	61,1
	Increased capacity of production or service provision	Reduced labour costs per unit output	Reduced materials and energy per unit output	Reduced environmental impacts or improved health and safety	Met regulatory requirements
		%	%	%	%
Total	57,3	43,5	24,3	28,6	32,7
Manufacturing, total	58,4	45,5	27,6	32,5	33,3
10 - 49	56,9	42,2	24,1	27,8	32,1
50 - 249	60,3	48,7	31,2	37,7	30,4
250 -	62,4	57,0	39,1	47,0	48,8
Services, total	56,0	40,9	20,0	23,7	31,9
10 - 49	57,7	39,3	22,3	25,2	34,4
50 - 249	52,0	43,5	12,1	18,2	22,7
250 -	47,1	52,2	14,5	21,2	28,4

1) Including mining and quarrying, and electricity, gas and water supply.

Table 22. Prevalence of marketing and organisational innovations by size category of personnel, 2004-2006, share of enterprises

	Number of enterprises	Organisational innovations	Marketing innovations	Marketing or organisational innovations	Innovation activity, broadly defined	All elements ¹
		%	%	%	%	%
Total	8221	33,8	27,6	41,9	57,0	9,8
Manufacturing, total²	4224	32,1	27,4	41,3	59,9	10,0
10 - 19	1554	18,4	20,1	29,0	45,5	4,3
20 - 49	1465	33,9	26,8	42,4	62,3	9,0
50 - 99	565	39,4	32,3	47,3	66,6	11,1
100 - 249	375	41,9	34,2	52,2	77,9	16,9
250 - 499	140	60,9	44,6	70,0	83,0	28,0
500 -	126	84,7	64,7	89,2	98,2	48,3
Services, total	3996	35,6	27,7	42,6	53,9	9,5
10 - 19	1913	30,4	22,3	36,3	48,0	7,0
20 - 49	1296	35,7	30,3	44,2	54,2	10,7
50 - 99	375	43,3	33,8	50,8	62,7	8,6
100 - 249	254	42,9	34,2	52,9	67,7	10,3
250 - 499	83	66,9	48,5	71,5	77,6	31,8
500 -	75	68,6	44,7	70,4	82,9	29,2

1) Product and process innovations and related projects, and organisational and marketing innovations.

2) Including mining and quarrying, and electricity, gas and water supply.

Table 23. Prevalence of marketing and organisational innovations by industry, 2004-2006, share of enterprises

	Number of enterprises	Organisational innovations	Marketing innovations	Marketing or organisational innovations	Innovation activity, broadly defined	All elements ¹
		%	%	%	%	%
Total	8221	33,8	27,6	41,9	57,0	9,8
Manufacturing, total	4224	32,1	27,4	41,3	59,9	10,0
Mining and quarrying	52	43,8	14,5	49,9	52,7	6,1
Food industry	350	31,4	42,4	51,4	67,8	14,7
Textiles	69	20,1	32,6	39,3	61,9	9,9
Manufacture of wearing apparel	76	32,2	28,3	45,6	62,0	0,0
Leather products	28	4,3	32,4	32,4	51,4	4,3
Wood and wood products	300	23,7	31,1	39,6	52,9	8,6
Pulp, paper and paper products	76	39,5	31,0	49,0	75,1	14,8
Publishing and printing	373	25,3	23,5	35,2	48,9	4,5
Chemicals and chemical products	110	34,5	41,2	48,5	78,2	14,8
Rubber and plastic products	186	43,4	33,4	49,3	74,0	23,7
Other non-metallic mineral products	161	31,2	29,6	42,6	59,7	8,0
Basic metals	64	32,6	12,6	34,4	49,0	7,4
Metal products	824	25,3	14,8	29,9	51,0	5,2
Machinery and equipment	564	39,5	32,3	47,0	68,6	15,5
Electrical machinery and apparatus	148	53,5	31,7	53,5	73,6	15,6
Computers and communication equipment	85	64,7	45,0	75,2	82,7	12,5
Instruments	117	37,6	48,0	52,1	71,2	18,7
Motor vehicles	71	38,0	23,6	41,3	57,5	20,3
Other transport equipment	84	27,5	21,9	33,7	44,3	5,7
Other manufacturing	256	28,8	27,1	39,5	59,0	6,4
Electricity, gas, steam and hot water supply	165	31,2	12,6	31,2	45,5	5,1
Collection, purification and distribution of water	65	18,5	16,2	30,0	54,6	0,0
Services, total	3996	35,6	27,7	42,6	53,9	9,5
Wholesale trade	1324	38,9	35,6	47,8	60,4	8,6
Transport	1202	20,0	12,7	25,2	34,1	3,5
Post and telecommunications	120	50,0	52,2	61,7	70,6	32,9
Financial intermediation	282	43,0	31,0	51,8	59,9	4,7
Insurance and pension funding	62	42,3	20,5	42,3	52,9	12,7
Activities auxiliary to financial intermediation	74	69,5	58,9	72,2	76,2	31,4
Computer and related activities	445	58,9	43,8	66,7	78,5	22,9
Technical consultancy services	452	29,0	15,5	33,4	49,8	6,8
Technical testing and analysis	35	45,1	32,4	54,9	80,3	22,5

1) Product and process innovations and related projects, and organisational and marketing innovations.

Table 24. Prevalence of marketing and organisational innovations by form of enterprise, 2004-2006, share of enterprises

	Number of enterprises	Organisational innovations	Marketing innovations	Marketing or organisational innovations	Innovation activity, broadly defined	All elements ²
		%	%	%	%	%
Total	8221	33,8	27,6	41,9	57,0	9,8
Manufacturing, total¹	4224	32,1	27,4	41,3	59,9	10,0
Independent enterprise	2624	27,3	25,6	37,7	55,4	6,9
Part of domestic group	1179	38,3	29,5	44,8	65,0	14,7
Part of foreign group	421	44,1	33,2	53,8	73,5	16,7
Services, total	3996	35,6	27,7	42,6	53,9	9,5
Independent enterprise	2263	29,8	21,6	36,5	48,0	5,1
Part of domestic group	931	43,2	33,7	48,7	59,3	16,8
Part of foreign group	803	43,3	37,8	52,7	64,4	13,3

1) Including mining and quarrying, and electricity, gas and water supply.

2) Product and process innovations and related projects, and organisational and marketing innovations.

Table 25. Developers of organisational and marketing innovations by size category of personnel, 2004-2006, share of enterprises and of enterprises with innovations

	Number of enterprises	Organisational innovations	Developer of organisational innovations			Marketing innovations	Developer of marketing innovations		
			Own enterprise	Own enterprise together with others	Other enterprises or institutions		Own enterprise	Own enterprise together with others	Other enterprises or institutions
		%	%	%	%	%	%	%	%
Total	8221	33,8	70,9	27,3	1,7	27,6	74,5	23,8	1,7
Manufacturing, total¹	4224	32,1	66,3	33,3	0,4	27,4	74,4	24,3	1,3
10 - 19	1554	18,4	67,0	33,0	0,0	20,1	72,7	24,3	3,0
20 - 49	1465	33,9	65,2	33,9	0,9	26,8	76,2	22,7	1,1
50 - 99	565	39,4	70,1	29,9	0,0	32,3	80,5	19,5	0,0
100 - 249	375	41,9	73,0	27,0	0,0	34,2	68,4	31,6	0,0
250 - 499	140	60,9	60,3	38,3	1,4	44,6	68,9	31,1	0,0
500 -	126	84,7	56,5	43,5	0,0	64,7	71,8	26,9	1,4
Services, total	3996	35,6	75,4	21,7	3,0	27,7	74,6	23,2	2,1
10 - 19	1913	30,4	70,5	25,3	4,3	22,3	72,2	24,7	3,1
20 - 49	1296	35,7	80,4	16,9	2,8	30,3	76,1	22,4	1,5
50 - 99	375	43,3	81,1	16,2	2,7	33,8	83,5	12,9	3,6
100 - 249	254	42,9	73,6	26,4	0,0	34,2	65,5	34,5	0,0
250 - 499	83	66,9	82,5	17,5	0,0	48,5	71,5	28,5	0,0
500 -	75	68,6	64,8	35,2	0,0	44,7	82,8	17,2	0,0

1) Including mining and quarrying, and electricity, gas and water supply.

Table 26. Prevalence of organisational innovations by size category of personnel, 2004-2006, share of enterprises

	Number of enterprises	Organisational innovations	New business practices	New knowledge management systems	New methods of workplace organisation	New methods of organising external relations
		%	%	%	%	%
Total	8221	33,8	17,4	19,8	21,8	12,5
Manufacturing, total¹	4224	32,1	15,2	20,1	18,9	11,5
10 - 19	1554	18,4	6,7	11,4	8,8	6,1
20 - 49	1465	33,9	14,7	21,3	19,7	11,2
50 - 99	565	39,4	20,1	22,7	24,2	11,4
100 - 249	375	41,9	22,3	26,3	28,5	18,2
250 - 499	140	60,9	34,8	35,4	39,9	21,1
500 -	126	84,7	59,8	66,8	57,4	50,5
Services, total	3996	35,6	19,8	19,4	24,9	13,6
10 - 19	1913	30,4	14,0	16,3	20,5	12,4
20 - 49	1296	35,7	21,9	19,1	26,7	11,7
50 - 99	375	43,3	25,5	25,1	25,5	14,2
100 - 249	254	42,9	27,0	24,1	30,6	17,8
250 - 499	83	66,9	46,5	36,4	55,1	31,1
500 -	75	68,6	51,8	37,8	52,4	38,0

1) Including mining and quarrying, and electricity, gas and water supply.

Table 27. Prevalence of organisational innovations by industry, 2004-2006, share of enterprises

	Number of enterprises	Organisational innovations	New business practices	New knowledge management systems	New methods of workplace organisation	New methods of organising external relations
		%	%	%	%	%
Total	8221	33,8	17,4	19,8	21,8	12,5
Manufacturing, total	4224	32,1	15,2	20,1	18,9	11,5
Mining and quarrying	52	43,8	5,8	30,5	23,2	10,9
Food industry	350	31,4	15,6	18,5	23,1	8,1
Textiles	69	20,1	11,3	14,9	11,7	2,9
Manufacture of wearing apparel	76	32,2	14,9	22,9	14,9	9,3
Leather products	28	4,3	4,3	0,0	4,3	0,0
Wood and wood products	300	23,7	10,4	15,9	11,9	2,9
Pulp, paper and paper products	76	39,5	16,6	24,3	20,6	19,7
Publishing and printing	373	25,3	6,2	15,4	14,4	6,8
Chemicals and chemical products	110	34,5	20,3	24,6	19,1	14,5
Rubber and plastic products	186	43,4	22,9	25,3	24,2	14,6
Other non-metallic mineral products	161	31,2	19,8	20,0	15,2	9,2
Basic metals	64	32,6	23,8	21,0	19,3	19,9
Metal products	824	25,3	10,4	17,3	14,4	5,6
Machinery and equipment	564	39,5	18,2	23,8	24,3	20,1
Electrical machinery and apparatus	148	53,5	36,1	23,8	41,3	22,4
Computers and communication equipment	85	64,7	42,8	46,2	46,2	26,8
Instruments	117	37,6	18,1	22,6	20,6	15,1
Motor vehicles	71	38,0	13,3	23,7	23,7	22,8
Other transport equipment	84	27,5	13,9	16,9	15,7	21,9
Other manufacturing	256	28,8	12,3	20,1	14,2	11,0
Electricity, gas, steam and hot water supply	165	31,2	16,2	19,7	14,7	16,4
Collection, purification and distribution of water	65	18,5	6,9	9,2	6,9	0,0
Services, total	3996	35,6	19,8	19,4	24,9	13,6
Wholesale trade	1324	38,9	21,4	23,1	26,1	15,3
Transport	1202	20,0	9,3	8,9	11,6	8,4
Post and telecommunications	120	50,0	35,0	31,3	37,9	26,0
Financial intermediation	282	43,0	26,1	19,8	34,6	8,3
Insurance and pension funding	62	42,3	26,5	20,5	38,0	15,9
Activities auxiliary to financial intermediation	74	69,5	41,9	47,0	61,6	9,2
Computer and related activities	445	58,9	37,2	31,3	46,1	23,5
Technical consultancy services	452	29,0	13,0	15,5	18,2	11,4
Technical testing and analysis	35	45,1	32,4	32,4	35,2	29,5

Table 28. Organisational innovations integrated with or linked to other types of innovations, 2004-2006, share of enterprises with organisational innovations

	Yes			Not integrated/ no link	No innovations
	High importance	Medium importance	Low importance		
	%	%	%	%	%
All enterprises					
Product innovations for a new or improved good	5,7	17,5	8,5	12,7	55,6
Product innovations for a new or improved service	4,8	20,4	6,5	7,5	60,8
Process innovations	7,9	28,2	16,2	18,1	29,6
Marketing innovations	5,1	20,6	16,5	15,2	42,6
Manufacturing¹					
Product innovations for a new or improved good	6,7	21,2	10,8	17,9	43,4
Product innovations for a new or improved service	2,7	15,3	4,9	6,2	71,0
Process innovations	8,6	26,9	19,6	21,1	23,7
Marketing innovations	4,6	18,2	19,1	14,8	43,3
Services					
Product innovations for a new or improved good	4,8	14,0	6,3	7,7	67,2
Product innovations for a new or improved service	6,8	25,3	8,1	8,7	51,1
Process innovations	7,2	29,4	12,9	15,3	35,2
Marketing innovations	5,5	22,9	14,1	15,6	41,9

1) Including mining and quarrying, and electricity, gas and water supply.

Table 29. Observed effects of organisational innovations, 2004-2006, share of enterprises with organisational innovations

	Degree of observed effect			
	High	Medium	Low	Not relevant
	%	%	%	%
All enterprises				
Reduced time to respond to customer or supplier needs	21,7	51,4	19,3	7,6
Improved ability to develop new products or processes	13,3	39,5	25,7	21,4
Improved quality of enterprise's goods and services	16,7	48,8	24,9	9,5
Reduced costs per unit output	9,2	31,8	37,8	21,1
Improved employee satisfaction and/or lower employee turnover	9,6	35,1	38,1	17,1
Improved communication or information sharing within the enterprise	12,3	45,5	31,3	10,9
Improved communication or information sharing with other enterprises or institutions	4,9	28,9	43,2	23,0
Other effects	1,1	2,1	1,4	95,4
Manufacturing, total¹				
Reduced time to respond to customer or supplier needs	21,4	50,5	20,4	7,7
Improved ability to develop new products or processes	14,7	38,7	27,8	18,7
Improved quality of enterprise's goods and services	16,8	45,2	28,4	9,6
Reduced costs per unit output	10,9	32,5	38,5	18,2
Improved employee satisfaction and/or lower employee turnover	7,9	31,9	42,4	17,8
Improved communication or information sharing within the enterprise	11,1	45,9	31,4	11,6
Improved communication or information sharing with other enterprises or institutions	4,5	26,8	47,8	20,9
Other effects	1,7	1,5	0,7	96,1
Services, total				
Reduced time to respond to customer or supplier needs	21,9	52,3	18,3	7,5
Improved ability to develop new products or processes	12,0	40,3	23,7	24,0
Improved quality of enterprise's goods and services	16,6	52,2	21,6	9,5
Reduced costs per unit output	7,6	31,2	37,2	24,0
Improved employee satisfaction and/or lower employee turnover	11,2	38,2	34,1	16,5
Improved communication or information sharing within the enterprise	13,4	45,1	31,2	10,2
Improved communication or information sharing with other enterprises or institutions	5,3	30,9	38,8	25,0
Other effects	0,4	2,8	2,0	94,8

1) Including mining and quarrying, and electricity, gas and water supply.

Table 30. Enterprises indicating high or medium effects of organisational innovations, 2004-2006, share of enterprises with organisational innovations

	Number of enterprises	Reduced time to respond to customer or supplier needs	Improved ability to develop new products or processes	Improved quality of enterprise's goods and services	Reduced costs per unit output
		%	%	%	%
Total	2777	73,1	52,9	65,5	41,1
Manufacturing, total¹	1355	71,9	53,5	62,0	43,4
10 - 49	783	75,1	51,5	65,8	41,0
50 - 249	380	67,5	51,2	55,5	43,3
250 -	192	68,0	66,0	59,8	52,9
Services, total	1423	74,2	52,3	68,8	38,9
10 - 49	1044	76,8	54,5	71,8	40,4
50 - 249	272	67,5	42,5	61,6	34,0
250 -	107	65,8	55,5	58,7	36,4
	Number of enterprises	Improved employee satisfaction and/or lower employee turnover	Improved communication or information sharing within the enterprise	Improved communication or information sharing with other enterprises or institutions	Other effects
		%	%	%	%
Total	2777	44,7	57,8	33,8	3,2
Manufacturing, total	1355	39,9	57,0	31,3	3,2
10 - 49	783	41,5	59,5	33,7	4,3
50 - 249	380	41,9	53,1	25,5	0,7
250 -	192	29,2	54,6	33,0	3,6
Services, total	1423	49,3	58,6	36,2	3,2
10 - 49	1044	55,1	61,3	40,9	3,9
50 - 249	272	35,0	54,8	24,3	0,9
250 -	107	29,4	41,6	20,7	1,4

1) Including mining and quarrying, and electricity, gas and water supply.

Table 31. Prevalence of marketing innovations by size category of personnel, 2004-2006, share of enterprises

	Number of enterprises	Marketing innovations	Changes to the design	Changes to the packaging	New media or techniques for product promotion	New marketing strategy ¹	New methods for product placement or sales channels	New methods of pricing
		%	%	%	%	%	%	%
Total	8221	27,6	6,7	5,9	12,0	16,8	6,0	8,5
Manufacturing, total²	4224	27,4	9,3	7,1	10,9	15,6	4,9	6,6
10 - 19	1554	20,1	5,3	4,0	8,0	11,1	3,4	3,4
20 - 49	1465	26,8	10,1	7,2	9,4	14,1	4,1	6,8
50 - 99	565	32,3	9,1	7,8	13,7	21,0	6,6	9,0
100 - 249	375	34,2	12,6	10,7	12,8	18,3	5,3	5,9
250 - 499	140	44,6	18,8	15,1	20,7	29,6	5,8	17,2
500 -	126	64,7	29,2	22,8	35,6	39,0	22,2	23,1
Services, total	3996	27,7	4,1	4,5	13,2	18,2	7,1	10,6
10 - 19	1913	22,3	3,4	5,0	11,0	14,8	7,6	8,4
20 - 49	1296	30,3	4,8	4,3	15,2	19,3	5,7	11,4
50 - 99	375	33,8	4,1	3,7	14,4	23,8	8,9	10,8
100 - 249	254	34,2	4,6	1,8	15,2	18,9	7,3	15,3
250 - 499	83	48,5	5,2	6,4	18,0	38,0	9,1	18,3
500 -	75	44,7	5,2	5,5	17,7	31,3	9,0	25,9

1) New marketing strategy to target new customer groups or market segments.

2) Including mining and quarrying, and electricity, gas and water supply.

Table 32. Prevalence of marketing innovations by industry, 2004-2006, share of enterprises

	Number of enterprises	Changes to the design	Changes to the packaging	New media or techniques for product promotion	New marketing strategy ¹	New methods for product placement or sales channels	New methods of pricing
		%	%	%	%	%	%
Total	8221	6,7	5,9	12,0	16,8	6,0	8,5
Manufacturing, total	4224	9,3	7,1	10,9	15,6	4,9	6,6
Mining and quarrying	52	0,0	2,4	6,1	0,0	0,0	6,1
Food industry	350	8,6	28,2	9,9	15,4	6,4	4,2
Textiles	69	13,8	1,8	19,2	23,9	7,0	3,2
Manufacture of wearing apparel	76	0,0	0,0	8,2	14,9	6,7	6,7
Leather products	28	23,8	11,9	8,6	0,0	0,0	0,0
Wood and wood products	300	11,1	4,4	9,5	19,9	5,5	5,1
Pulp, paper and paper products	76	11,2	6,2	11,2	23,0	3,1	8,1
Publishing and printing	373	6,5	1,4	6,3	12,8	7,2	5,6
Chemicals and chemical products	110	5,4	17,5	15,4	27,6	2,6	14,5
Rubber and plastic products	186	8,9	9,0	13,5	22,6	9,6	4,2
Other non-metallic mineral products	161	11,2	8,4	18,7	21,2	6,3	8,7
Basic metals	64	1,6	3,3	5,0	5,6	0,0	5,8
Metal products	824	2,5	1,9	6,3	10,0	1,8	5,3
Machinery and equipment	564	15,4	8,6	14,3	15,6	5,5	6,1
Electrical machinery and apparatus	148	4,7	3,3	14,6	26,4	6,2	8,2
Computers and communication equipment	85	20,2	10,4	38,7	35,1	8,8	27,8
Instruments	117	39,3	12,2	17,0	27,7	15,1	14,8
Motor vehicles	71	16,0	0,0	7,7	16,2	0,0	2,5
Other transport equipment	84	15,7	4,4	8,8	13,6	4,4	4,4
Other manufacturing	256	13,7	10,1	12,5	8,0	2,1	5,9
Electricity, gas, steam and hot water supply	165	0,0	0,0	4,9	12,0	4,7	7,8
Collection, purification and distribution of water	65	0,0	0,0	6,9	9,2	0,0	6,9
Services, total	3996	4,1	4,5	13,2	18,2	7,1	10,6
Wholesale trade	1324	7,2	11,5	18,3	21,7	11,1	11,6
Transport	1202	0,3	0,9	6,8	6,3	1,2	4,7
Post and telecommunications	120	5,8	1,1	27,5	30,8	11,0	27,2
Financial intermediation	282	3,4	0,0	11,0	29,6	10,3	14,3
Insurance and pension funding	62	0,0	0,0	3,2	18,6	3,2	9,7
Activities auxiliary to financial intermediation	74	0,0	0,0	19,7	31,4	23,5	23,5
Computer and related activities	445	8,7	3,4	22,4	33,1	13,2	22,5
Technical consultancy services	452	1,9	0,0	3,4	10,9	0,0	3,6
Technical testing and analysis	35	0,0	0,0	22,5	32,4	9,8	2,9

1) New marketing strategy to target new customer groups or market segments.

Table 33. Prevalence of marketing innovations integrated with or linked to other types of innovations, 2004-2006, share of enterprises with marketing innovations

	Yes			Not integrated/ no link	No innovations
	High importance	Medium importance	Low importance		
	%	%	%	%	%
All enterprises					
Product innovations for a new or improved good	11,1	21,3	9,4	11,9	46,4
Product innovations for a new or improved service	6,1	19,4	9,4	8,3	56,8
Process innovations	4,1	19,9	21,2	21,6	33,2
Organisational innovations	4,2	18,8	22,5	24,9	29,6
Manufacturing¹					
Product innovations for a new or improved good	13,2	25,2	13,3	13,5	34,8
Product innovations for a new or improved service	4,8	13,5	8,0	5,5	68,3
Process innovations	5,3	19,5	21,3	22,6	31,3
Organisational innovations	4,6	14,4	22,4	25,0	33,7
Services					
Product innovations for a new or improved good	8,8	17,3	5,3	10,2	58,5
Product innovations for a new or improved service	7,4	25,7	10,9	11,2	44,8
Process innovations	2,8	20,3	21,1	20,7	35,1
Organisational innovations	3,9	23,4	22,5	24,8	25,4

1) Including mining and quarrying, and electricity, gas and water supply.

Table 34. Observed effects of marketing innovations, 2004-2006, share of enterprises with marketing innovations

	Degree of observed effect			
	High	Medium	Low	Not relevant
	%	%	%	%
All enterprises				
Increased or maintained market share	24,9	46,5	22,9	5,7
Introduced products to new markets or customer groups	22,0	44,6	25,4	8,0
Increased visibility of products or business	21,6	44,7	27,8	5,9
Improved ability to respond to customer needs	21,4	44,9	24,0	9,7
Improved customer satisfaction	17,2	48,2	25,6	8,9
Other effects	0,9	0,7	1,8	96,6
Manufacturing¹				
Increased or maintained market share	24,6	41,4	26,6	7,4
Introduced products to new markets or customer groups	19,6	43,6	28,4	8,4
Increased visibility of products or business	21,6	40,3	32,0	6,0
Improved ability to respond to customer needs	19,8	41,2	27,3	11,7
Improved customer satisfaction	16,6	45,7	28,9	8,8
Other effects	1,3	0,9	2,7	95,2
Services				
Increased or maintained market share	25,2	51,8	19,0	4,0
Introduced products to new markets or customer groups	24,6	45,6	22,3	7,5
Increased visibility of products or business	21,6	49,3	23,3	5,7
Improved ability to respond to customer needs	23,0	48,8	20,6	7,5
Improved customer satisfaction	17,9	50,9	22,2	9,0
Other effects	0,5	0,5	0,8	98,1

1) Including mining and quarrying, and electricity, gas and water supply.

Table 35. Enterprises indicating high or medium effects of marketing innovations by size category of personnel, 2004-2006, share of enterprises with marketing innovations

	Number of enterprises	Increased or maintained market share	Introduced products to new markets or customer groups	Increased visibility of products or business	Improved ability to respond to customer needs	Improved customer satisfaction	Other effects
		%	%	%	%	%	%
Total	2265	71,4	66,6	66,3	66,3	65,4	1,6
Manufacturing, total¹	1159	66,0	63,2	61,9	61,0	62,3	2,1
10-49	704	64,7	64,0	60,9	56,8	61,1	2,7
50-249	311	64,9	59,4	60,0	67,0	61,4	0,9
250-	144	74,7	67,5	71,0	68,9	69,9	2,2
Services, total	1107	77,1	70,2	70,9	71,9	68,8	1,0
10-49	820	81,1	73,6	75,1	74,6	70,9	1,1
50-249	214	69,2	61,0	61,3	65,4	65,6	0,5
250-	73	55,3	58,8	53,0	60,5	54,5	1,4

1) Including mining and quarrying, and electricity, gas and water supply.

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