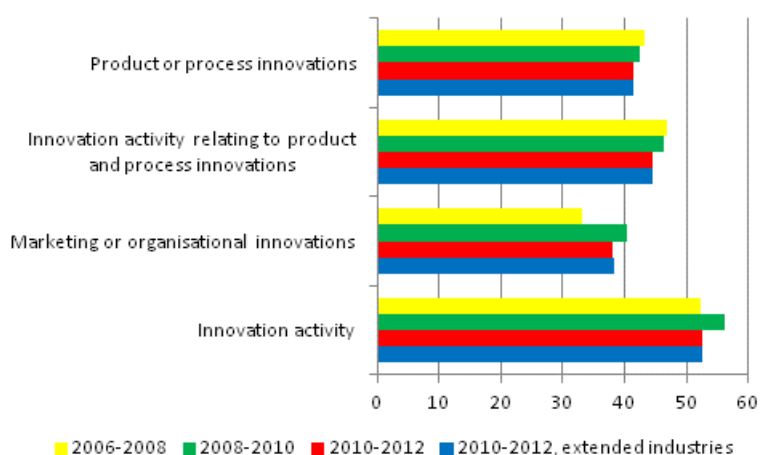


Innovation 2012

Prevalence of innovation activity in enterprises nearly unchanged

According to Statistics Finland's preliminary data, enterprises reported innovation activity in 2010 to 2012 almost as frequently as in the years preceding the period. Around 45 per cent of the surveyed enterprises had undertaken activities related to product and process innovations, while in the previous surveys between 2006 and 2008 and 2008 and 2010, the corresponding shares were 47 and 46 per cent.

Enterprises with innovation activity 2006 to 2012, share of enterprises



In manufacturing, innovation activity related to products and processes, as well as launching product innovations on the market, was from 2010 to 2012 most widespread in the manufacture of computer, electronic and optical products. In services, innovation activity similarly as product innovations were most commonly reported in the industry of telecommunications.

Nearly 40 per cent of enterprises had introduced innovations related to organisations and marketing between 2010 and 2012 in both manufacturing and service industries.

For the first time, the survey inquired about public procurement contracts and innovation activities related to the implementation of procurement contracts.

Nearly every third, 31 per cent of the surveyed enterprises reported having had procurement contracts in 2010 to 2012 to provide products to public sector organisations. In all, 30 per cent of enterprises had procurement contracts with domestic public sector organisations and five per cent with foreign public sector organisations. Procurement contracts are more widespread among large enterprises than small ones.

However, only in a few cases, innovation activity was linked to the implementation of procurement contracts. A couple of per cent of all enterprises (eight per cent of enterprises with procurement contracts) undertook innovation activity as part of a procurement contract with innovations being required in the contract. Five per cent of enterprises (16 per cent of those with contracts) reported innovation activity related to the implementation of procurement contracts, although innovation was not required as part of the contract.

The survey covered enterprises employing at least ten persons in manufacturing (incl. mining and quarrying, electricity, gas and air conditioning supply, and water supply and waste management) and in certain services. Compilation of statistics on service industries was extended in this survey to cover four new industries (59 Motion picture, video and television programme production, sound recording and music publishing activities, 60 Programming and broadcasting activities, 72 Scientific research and development, and 73 Advertising and market research).

The survey results will be published in their entirety in June.

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Appendix table 1. Prevalence of innovation activity relating to products and processes by size category of personnel, 2010-2012, share of enterprises

Industry	Size category of personnel	Product innovations (goods and services)	Process innovations	Product or process innovations	Innovation projects	Innovation activity	All elements
		%	%	%	%	%	%
All NACE - Total	10-49	26,5	26,0	37,0	22,9	40,0	11,3
	50-249	41,0	36,5	52,8	38,6	56,8	19,8
	250-	64,4	54,9	70,1	62,4	72,5	46,3
	Total	31,0	29,3	41,5	27,7	44,6	14,6
Manufacturing	10-49	28,2	30,5	41,4	27,1	44,6	13,3
	50-249	43,0	37,2	55,1	43,7	59,2	22,0
	250-	79,1	68,2	82,5	78,7	86,1	62,5
	Total	34,3	34,0	46,8	33,6	50,1	18,0
Services	10-49	25,2	22,6	33,8	19,8	36,6	9,9
	50-249	38,4	35,5	49,9	32,0	53,7	16,9
	250-	49,3	41,2	57,4	45,6	58,5	29,6
	Total	28,1	25,3	37,2	22,7	40,1	11,7

Appendix table 2. Prevalence of innovation activity relating to products and processes by industry, 2010-2012, share of enterprises

Industry	Product innovations (goods and services)	Process innovations	Product or process innovations	Innovation projects	Innovation activity	All elements
	%	%	%	%	%	%
Mining and quarrying	11,2	25,1	26,7	16,5	26,7	9,6
Food products and beverages	44,4	38,5	50,6	35,6	50,6	26,8
Textiles	20,8	17,7	28,5	17,7	28,5	10,0
Wearing apparel	57,8	12,8	57,8	21,8	57,8	12,8
Leather and related products	40,0	20,0	40,0	40,0	40,0	20,0
Wood, products of wood, and cork	29,2	35,8	43,5	32,8	45,9	19,3
Paper and paper products	33,2	37,3	47,0	40,8	50,7	23,5
Printing and reproduction of recorded media	18,7	37,0	40,3	25,4	42,1	9,0
Chemicals and chemical products	55,7	45,3	67,9	60,1	72,7	33,2
Rubber and plastic products	51,3	43,6	65,8	43,8	67,7	24,7
Other non-metallic mineral products	27,1	27,3	38,6	27,0	43,8	11,6
Basic metals	38,9	30,6	49,6	42,0	51,5	19,9
Fabricated metal products, except machinery and equipment	23,5	32,5	40,1	29,8	44,2	14,0
Computer, electronic and optical products	72,5	43,3	77,2	64,6	78,7	35,4
Electrical equipment	45,2	39,0	53,7	42,2	54,4	27,4
Machinery and equipment n.e.c.	45,7	40,7	58,4	42,6	64,4	21,6
Motor vehicles, trailers and semi-trailers	42,0	32,0	54,3	39,5	59,3	19,8
Other transport equipment	50,7	23,2	52,5	37,8	67,4	8,6
Furniture	31,4	25,9	37,6	17,2	41,7	11,6
Other manufacturing	55,3	34,2	55,3	41,1	57,6	26,0

Industry	Product innovations (goods and services)	Process innovations	Product or process innovations	Innovation projects	Innovation activity	All elements
	%	%	%	%	%	%
Repair and installation of machinery and equipment	18,8	30,2	35,9	24,5	42,3	9,9
Electricity, gas, steam and air conditioning supply	12,4	22,9	29,2	15,1	32,9	4,0
Water collection, treatment and supply	28,4	28,4	36,4	12,5	36,4	12,5
Sewerage, waste treatment	14,8	24,2	25,6	16,8	27,1	8,5
Wholesale trade, except of motor vehicles and motorcycles	29,1	23,6	39,0	20,0	41,0	10,1
Transportation and storage	8,5	15,4	17,1	8,6	19,5	3,3
Postal and courier activities	5,4	19,6	23,0	2,0	23,0	2,0
Publishing activities	46,3	30,7	48,1	29,6	51,0	18,3
Programme production, sound recording and music publishing activities	28,1	31,7	33,3	13,9	35,0	10,6
Programming and broadcasting activities	40,0	40,0	40,0	27,7	40,0	27,7
Telecommunications	67,3	32,4	67,3	50,5	75,4	26,0
Computer programming, consultancy and related activities	56,6	42,1	65,4	49,5	69,9	30,6
Information service activities	27,0	37,4	43,1	47,4	54,5	16,5
Financial service activities	24,7	22,6	31,5	13,0	31,5	9,8
Insurance, reinsurance and pension funding	26,9	28,8	35,0	34,8	38,9	16,6
Activities auxiliary to financial services and insurance activities	48,8	42,9	60,2	22,7	60,2	12,7
Architectural and engineering activities; technical testing and analysis	32,8	29,2	44,8	33,5	49,8	13,8
Scientific research and development	49,8	30,6	49,8	47,2	60,6	17,1
Advertising and market research	30,6	29,5	40,5	21,9	42,7	13,1
All NACE - Total	31,0	29,3	41,5	27,7	44,6	14,6
Manufacturing, total	34,3	34,0	46,8	33,6	50,1	18,0
Services, total	28,1	25,3	37,2	22,7	40,1	11,7

Appendix table 3. Prevalence of marketing and organisational innovations by size category of personnel, 2010-2012, share of enterprises

Industry	Size category of personnel	Organisational innovations	Marketing innovations	Marketing or organisational innovations	Product, process, marketing or organisational innovations	Innovation activity, broadly defined	All elements
		%	%	%	%	%	%
All NACE - Total	10-49	25,5	23,8	34,2	46,4	48,1	6,0
	50-249	40,0	33,1	48,7	62,3	65,0	11,5
	250-	58,6	45,9	64,6	76,8	77,8	30,3
	Total	29,7	26,5	38,4	50,8	52,6	8,2
Manufacturing	10-49	22,4	22,5	32,2	48,3	50,5	6,1
	50-249	38,2	32,4	48,5	64,6	67,4	11,7
	250-	70,5	54,2	77,0	89,5	90,8	40,9
	Total	28,6	26,5	38,3	54,2	56,5	9,2
Services	10-49	27,7	24,7	35,7	45,0	46,3	5,9
	50-249	42,2	34,0	48,9	59,3	61,8	11,2
	250-	46,3	37,3	51,9	63,8	64,4	19,5
	Total	30,7	26,6	38,4	47,9	49,4	7,3

Appendix table 4. Prevalence of marketing and organisational innovations by industry, 2010-2012, share of enterprises

Industry	Organisational innovations	Marketing innovations	Marketing or organisational innovations	Product, process, marketing or organisational innovations	Innovation activity, broadly defined	All elements
	%	%	%	%	%	%
Mining and quarrying	5,9	6,3	9,5	28,7	28,7	2,7
Food products and beverages	23,4	30,3	37,4	54,5	54,5	13,7
Textiles	18,3	39,2	44,5	44,5	44,5	10,0
Wearing apparel	24,3	60,2	60,2	69,2	69,2	12,8
Leather and related products	20,0	20,0	20,0	40,0	40,0	20,0
Wood, products of wood, and cork	28,3	28,0	39,7	49,8	51,7	10,0
Paper and paper products	54,9	31,7	54,9	61,7	63,5	18,0
Printing and reproduction of recorded media	31,7	16,0	34,9	54,2	55,9	0,0
Chemicals and chemical products	39,1	30,9	46,4	73,9	77,8	15,1
Rubber and plastic products	32,6	27,3	43,1	73,6	75,5	9,0
Other non-metallic mineral products	19,1	18,1	28,0	42,7	47,9	5,4
Basic metals	24,0	16,9	32,5	53,5	53,5	3,5
Fabricated metal products, except machinery and equipment	22,6	18,7	30,2	47,2	49,7	5,6
Computer, electronic and optical products	61,4	56,7	72,4	85,8	85,8	22,0
Electrical equipment	42,8	42,9	52,8	59,7	60,4	21,4
Machinery and equipment n.e.c.	34,7	32,4	46,3	63,5	68,3	13,9
Motor vehicles, trailers and semi-trailers	16,1	17,3	24,8	56,8	61,8	8,6
Other transport equipment	18,8	39,8	43,9	52,5	67,4	6,5
Furniture	34,0	24,1	36,2	41,7	45,7	10,9
Other manufacturing	16,5	37,5	43,5	57,6	57,6	5,9
Repair and installation of machinery and equipment	26,7	33,1	42,4	53,9	55,1	4,0
Electricity, gas, steam and air conditioning supply	27,6	14,3	29,1	44,3	45,0	1,3
Water collection, treatment and supply	20,5	20,5	20,5	36,4	36,4	12,5
Sewerage, waste treatment	25,8	7,6	28,1	41,5	42,9	1,4
Wholesale trade, except of motor vehicles and motorcycles	32,0	32,7	42,7	51,2	51,6	4,9
Transportation and storage	14,9	10,4	17,9	24,4	26,2	1,5
Postal and courier activities	11,0	7,7	16,6	34,2	34,2	2,0
Publishing activities	41,2	36,5	47,4	58,3	61,1	12,9
Programme production, sound recording and music publishing activities	8,6	24,4	24,4	40,3	40,3	5,3
Programming and broadcasting activities	27,7	60,0	60,0	60,0	60,0	27,7
Telecommunications	42,3	45,9	61,6	79,4	79,4	13,9
Computer programming, consultancy and related activities	47,0	43,5	61,9	75,6	76,8	19,1
Information service activities	43,1	38,4	54,5	60,2	71,6	16,5

Industry	Organisational innovations	Marketing innovations	Marketing or organisational innovations	Product, process, marketing or organisational innovations	Innovation activity, broadly defined	All elements
	%	%	%	%	%	%
Financial service activities	32,4	20,4	38,3	43,9	43,9	3,5
Insurance, reinsurance and pension funding	41,5	26,7	45,3	53,5	57,3	14,2
Activities auxiliary to financial services and insurance activities	45,3	40,6	54,7	75,5	75,5	8,0
Architectural and engineering activities; technical testing and analysis	38,7	27,2	42,2	55,4	58,3	11,5
Scientific research and development	38,9	30,6	54,4	63,2	74,1	8,3
Advertising and market research	41,6	33,9	47,0	56,9	56,9	13,1
All NACE - Total	29,7	26,5	38,4	50,8	52,6	8,2
Manufacturing, total	28,6	26,5	38,3	54,2	56,5	9,2
Services, total	30,7	26,6	38,4	47,9	49,4	7,3

Appendix table 5. Public sector procurement and innovation 2010-2012, share of enterprises

Industry	Size category of personnel	Procurement contracts	Procurement contracts to provide products for domestic public sector organisations	Procurement contracts to provide products for foreign public sector organisations	Innovation activity, innovation was required as part of the contract	Innovation activity, innovation was not required as part of the contract
		%	%	%	%	%
All NACE - Total	10-49	29,5	28,8	4,4	1,9	4,0
	50-249	32,4	31,8	6,2	3,1	5,9
	250-	48,3	47,7	15,2	7,7	14,6
	Total	30,9	30,2	5,3	2,4	4,9
Manufacturing	10-49	24,2	23,9	4,0	1,8	2,3
	50-249	26,9	26,1	7,2	2,0	4,5
	250-	43,4	42,3	21,7	7,9	15,2
	Total	25,9	25,4	5,7	2,1	3,5
Services	10-49	33,4	32,3	4,7	2,0	5,3
	50-249	39,4	39,0	4,9	4,5	7,7
	250-	53,3	53,3	8,5	7,6	14,0
	Total	35,1	34,2	4,9	2,6	6,0

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