

## The Community Innovation Survey

Questionnaire code: 12932023

Submitted in: 15.08.2023, data about 2022

Period:

Periodicity: Over two years

page 1/9

Statistics Estonia guarantees the full protection of your data.

Economic unit  
Registry code:  
Name:

E-mail:  
Phone:

Postal address  
County:  
City / Rural municipality:  
Village / Town / City district:  
Secondary address unit:

Street:  
Building:  
Apartment:  
Postal code:

Economic activity in the sample

Completed by  
Personal ID code:  
Firstname and surname:

E-mail:  
Phone:

Completed on (date):

Signature:

### 0. Information about feedback questionnaire

Dear Respondent!	
Questions for feedback have been added at the end of the questionnaire.	
We look forward to your suggestions and comments to make the questionnaire more user-friendly in the future.	
It will take approximately 2 minutes to respond. Thank you!	

### 2.1. STRATEGIES AND BUSINESS ENVIRONMENT

All questions in the table are mandatory.

		Assessment of importance (Product = good or service)
		1
B1. During 2020–2022, to what extent do the following characteristics describe the conditions faced by your enterprise?	B1	
a) goods or services become outdated quickly	B1_1	1 - Applies fully 2 - Applies somewhat 3 - Applies very little 4 - Applies not at all
b) future technological developments are difficult to predict	B1_2	1 - Applies fully 2 - Applies somewhat 3 - Applies very little 4 - Applies not at all
c) competitor goods or services are easily substituted with those of your enterprise	B1_3	1 - Applies fully 2 - Applies somewhat 3 - Applies very little 4 - Applies not at all
d) entry of new competitors leads to a major threat of your enterprises' market position	B1_4	1 - Applies fully 2 - Applies somewhat 3 - Applies very little

## The Community Innovation Survey

Questionnaire code: 12932023

Submitted in: 15.08.2023, data about 2022

Period:

page 2/9

e) competitor's actions are difficult to predict	B1_5	4 - Applies not at all 1 - Applies fully 2 - Applies somewhat 3 - Applies very little 4 - Applies not at all
f) changes in demand are difficult to predict	B1_6	1 - Applies fully 2 - Applies somewhat 3 - Applies very little 4 - Applies not at all
g) strong competition from abroad	B1_7	1 - Applies fully 2 - Applies somewhat 3 - Applies very little 4 - Applies not at all
h) price increases lead to loss of clients	B1_8	1 - Applies fully 2 - Applies somewhat 3 - Applies very little 4 - Applies not at all

## 2.2. STRATEGIES AND BUSINESS ENVIRONMENT (continues)

All questions in the table are mandatory.

		Assessment of importance (Product = good or service)
		1
B2. During 2020–2022, how important were the following strategies to the economic performance of your enterprise? Focus on ...	B2	Strategic activities are listed in pairs (e.g. 1a and 1b). This helps to understand the activities better.
1a) improving your existing goods or services	B2_1a	A402 - High B204 - Medium C404 - Low D208 - Not important
1b) introducing new goods or services	B2_1b	A402 - High B204 - Medium C404 - Low D208 - Not important
2a) low-price (price leadership)	B2_2a	A402 - High B204 - Medium C404 - Low D208 - Not important
2b) high-quality (quality leadership)	B2_2b	A402 - High B204 - Medium C404 - Low D208 - Not important
3a) a broad range of goods or services	B2_3a	A402 - High B204 - Medium C404 - Low D208 - Not important
3b) one or a small number of key goods or services	B2_3b	A402 - High B204 - Medium C404 - Low D208 - Not important
4a) satisfying established customer groups	B2_4a	A402 - High B204 - Medium C404 - Low D208 - Not important
4b) reaching out to new customer groups	B2_4b	A402 - High B204 - Medium C404 - Low D208 - Not important
5a) standardised goods or services	B2_5a	A402 - High B204 - Medium C404 - Low D208 - Not important
5b) customer-specific solutions	B2_5b	A402 - High B204 - Medium C404 - Low D208 - Not important

## 3.1. INTELLECTUAL PROPERTY

## The Community Innovation Survey

Questionnaire code: 12932023

Submitted in: 15.08.2023, data about 2022

Period:

page 3/9

All questions in the table are mandatory.

		Answer
		1
<b>C1. In 2020–2022, did your enterprise ...?</b>	<b>C1</b>	
apply for a patent	C1_1	1 - Yes 2 - No
register an industrial design right	C1_2	1 - Yes 2 - No
register a trademark	C1_3	1 - Yes 2 - No
claim a copyright	C1_4	1 - Yes 2 - No
use trade secrets	C1_5	1 - Yes 2 - No
<b>C2. In 2020-2022, did your enterprise ...?</b>	<b>C2</b>	
licenses out its intellectual property rights to others	C2_1	1 - Yes 2 - No
sell its own intellectual property rights (or assign IP rights) to others	C2_2	1 - Yes 2 - No
exchanged intellectual property rights (pooling, crosslicensing, etc.)	C2_3	1 - Yes 2 - No

### 4.1. PRODUCT INNOVATION

Questions on table rows D1\_1 to D1\_4 are mandatory.

		Answer
		1
<b>D1. During 2020–2022, did your enterprise introduce any ...?</b>	<b>D1</b>	
New products (goods or services) differ significantly from the enterprise's previous products in terms of characteristics or usage.	x1	.
new goods	D1_1	1 - Yes 2 - No
new services	D1_2	1 - Yes 2 - No
<b>During 2020–2022, did your enterprise introduce any ...?</b>	<b>x2</b>	
Improvement is also when an enterprise creates an improved version of a product or improves an existing product, its characteristics of use, etc. gradually in a specific direction.	x3	.
improved goods	D1_3	1 - Yes 2 - No
improved services	D1_4	1 - Yes 2 - No
	<b>SUUNAMINE</b>	<b>ROUTING</b>
<b>IF YOU ANSWERED "NO" TO ALL QUESTION D1 OPTIONS, GO TO TABLE "5.1. Business process innovation".</b>	<b>x4</b>	
<b>D2. During 2020–2022, were any of the new or improved products ...?</b>	<b>E2</b>	
Product = good or service	x	
not previously offered by any of your competitors	D2_1	1 - Yes 2 - No
identical or very similar to products already offered by your competitors	D2_2	1 - Yes 2 - No
<b>D3. Please estimate the percentage of your enterprise's total turnover in 2022 from products that were new or improved in 2020–2022?</b>	<b>D3</b>	<b>NB! Fill the answers without % sign.</b>
products not previously offered by any of your competitors (%)	D3_1	
products identical or very similar to products already offered by your competitors (%)	D3_2	
standardised products (%)	D3_3	
Total turnover in 2022, 100% (autosum)	XG3_1	
<b>D4. Who developed these product innovations?</b>	<b>D4</b>	
your enterprise by itself	D4_1	1 - Yes 2 - No
your enterprise together with other enterprises or organisations	D4_2	1 - Yes 2 - No
your enterprise by adapting or modifying products originally	D4_3	1 - Yes

## The Community Innovation Survey

Questionnaire code: 12932023

Submitted in: 15.08.2023, data about 2022

Period:

page 4/9

developed by other enterprises or organisations		2 - No
other enterprises or organisations	D4_4	1 - Yes 2 - No

### 5.1. BUSINESS PROCESS INNOVATION

Questions on table rows F1\_1 to F1\_7 are mandatory. A business process innovation is the adoption of a new or significantly improved production process, delivery method or production support process. Innovation must be new to your enterprise but your enterprise does not necessarily have to be the first to adopt this innovation in the market area. It is not important whether the innovation was developed in your enterprise or in other enterprises or organisations.

		Answer
		1
E1. During 2020–2022, did your enterprise introduce any of the following types of new processes or improved processes that differ significantly from your previous processes?	E1	
methods for producing goods or providing services (including methods for developing goods or services)	E1_1	1 - Yes 2 - No
logistics, delivery or distribution methods	E1_2	1 - Yes 2 - No
methods for information processing or communication (ICT)	E1_3	1 - Yes 2 - No
methods for accounting or purchasing operations	E1_4	1 - Yes 2 - No
business practices for organising procedures or external relations	E1_5	1 - Yes 2 - No
methods of organising work responsibility, decision making or human resource management	E1_6	1 - Yes 2 - No
marketing methods for promotion, packaging, pricing, product placement, after sales services, etc.	E1_7	1 - Yes 2 - No
	SUUNAMINE	ROUTING
IF YOU ANSWERED "NO" TO ALL QUESTION E1 OPTIONS, GO TO TABLE "6.1. Innovation and research and development (R&D)".	x	
E2. Who developed these process innovations?	E2	
your enterprise by itself	E2_1	1 - Yes 2 - No
your enterprise together with other enterprises or organisations	E2_2	1 - Yes 2 - No
your enterprise by adapting or modifying processes originally developed by other enterprises or organisations	E2_3	1 - Yes 2 - No
other enterprises or organisations	E2_4	1 - Yes 2 - No

### 6.1. INNOVATION, AND RESEARCH AND DEVELOPMENT (R&D)

Questions on table rows F1\_1 to F1\_5 are mandatory. Innovation is a new or significantly improved product (good or service) introduced to the market, also the adoption of a new or significantly improved production process in the enterprise. Innovation activities do not always have to result in the introduction of a new product or service to the market or in an improvement of a completed production process. Innovation activities may be abandoned or suspended for several reasons before reaching the final result. Research and Development (R&D) is systematic activity to acquire new knowledge and use available knowledge to devise new applications. Often, the main component of R&D is the design of prototypes.

		Answer	
		1	2
F1. During 2020–2022, did your enterprise have...?	F1		
completed activities on product or process innovation	F1_1	1 - Yes 2 - No	
ongoing innovation activities at the end of 2022	F1_2	1 - Yes 2 - No	
abandoned innovation activities	F1_3	1 - Yes 2 - No	
contract-out R&D to other enterprises (include enterprises in your own group) or to public or private research organisations	F1_4	1 - Yes 2 - No	
in-house research and development	F1_5	1 - Yes	

## The Community Innovation Survey

Questionnaire code: 12932023

Submitted in: 15.08.2023, data about 2022

Period:

page 5/9

(R&D) activities		2 - No	
If your company had in-house R&D in 2016–2018, was R&D in your enterprise occasional or continuous?	X		
continuously, your enterprise had permanent R&D staff	F1_6	1 - Yes 2 - No	
occasionally	F1_7	1 - Yes 2 - No	
.	SUUNAMINE	ROUTING	
IF YOU ANSWERED "NO" TO ALL OPTIONS IN QUESTIONS D1, E1 and F1, GO TO QUESTION F4 IN THIS TABLE.	x1		
F2. In 2022, did your enterprise have any of the following types of expenditure on innovations and research and development (R&D)?	F2		Amount of expenditure, euros
R&D performed in-house	F2_1	1 - Yes 2 - No	
R&D contracted out (including enterprises in own enterprise group)	F2_2	1 - Yes 2 - No	
all other innovation expenditures (excluding R&D)	F2_3	1 - Yes 2 - No	
F3. Why did your enterprise not have more innovation activities in 2020–2022?	F3	1 - Lack of resources 2 - There was no need 3 - Other reasons	
.	SUUNAMINE2		
GO TO TABLE "7.1. Co-operation".	x2		
F4. Why did your enterprise have no innovation activities in 2020–2022?	F4	1 - Lack of resources 2 - There was no need 3 - Other reasons	

### 7.1. CO-OPERATION

All questions in the table are mandatory.

		Answer
		1
G1. During 2020–2022, did your enterprise co-operate with other enterprises or organisations ...?	G1	
a) on research and development (R&D)	G1_1	1 - Yes 2 - No
b) on other innovation activities (excluding R&D)	G1_2	1 - Yes 2 - No
c) in any business activities other than innovation and R&D	G1_3	1 - Yes 2 - No
.	SUUNAMINE	ROUTING
IF YOU ANSWERED "NO" TO OPTIONS a and b IN QUESTIONS G1, GO TO TABLE "8.1. Funding".	x	

### 7.2. CO-OPERATION (continues)

The table can be cancelled by clicking on "Cancel" under the gear sign in the table heading.

		In Estonia	Other EU or EFTA countries	All other countries
		1	2	3
G2. Please indicate the innovation co-operation partners of your enterprise by location. There is no need to fill in "no", those answers can be left empty.	G2			
private sector enterprises	G2_1			
private business enterprises outside your enterprise / enterprise group:	G2_2			
consultants, commercial labs, or private research institutes	G2_3			
suppliers of equipment, materials, components or software	G2_4			
enterprises that are your clients or customers	G2_5			
enterprises that are your competitors	G2_6			
other enterprises	G2_7			

## The Community Innovation Survey

Questionnaire code: 12932023

Submitted in: 15.08.2023, data about 2022

Period:

page 6/9

enterprises within your enterprise group	G2_8		
co-operation partner outside the business enterprise sector	G2_9		
non-profit organisations	G2_10		
clients or customers from the public sector	G2_11		
government or public research institutes	G2_12		
universities or other higher education institutions	G2_13		

### 8.1. FUNDING

Questions on table rows H1\_1 to H3\_4 are mandatory.

		Answer	If your enterprise obtained funding in the form of loans or subsidies, then was at least part of the funding used for R&D or other innovation activities?
		1	2
H1. During 2020–2022, did your enterprise try to obtain or obtained funding in exchange for shares in the ownership of the enterprise?	H1_1	1 - Did not try 2 - Tried, but not successfully 3 - Yes, successfully obtained some funding	1 - Yes 2 - No
H2. During 2020–2022, did your enterprise try to or obtained funding in the form of loans?	H2_1	1 - Did not try 2 - Tried, but not successfully 3 - Yes, successfully obtained some funding	1 - Yes 2 - No
H3. During 2020–2022, did your enterprise receive any financial support from ...?	H3		
a local authority	H3_1	1 - Yes 2 - No	1 - Yes 2 - No
national government	H3_2	1 - Yes 2 - No	1 - Yes 2 - No
EU Programme for Research and Innovation (Horizon 2020, Horizon Europe)	H3_3	1 - Yes 2 - No	1 - Yes 2 - No
financial support from other European Union institution	H3_4	1 - Yes 2 - No	1 - Yes 2 - No

### 9.1. IMPACTS OF CLIMATE CHANGE FOR BUSINESS ACTIVITIES

All questions in the table are mandatory.

		Please assess the importance of each factor.
		1
I1. During 2020–2022, how important were the following factors related to climate change for your business?	I1	
government policies or measures related to climate change	I1_1	1 - High 2 - Medium 3 - Low 4 - Had no effect / not relevant
increasing customer demand for products that help mitigate or adapt to climate change (e.g. low-carbon products)	I1_2	1 - High 2 - Medium 3 - Low 4 - Had no effect / not relevant
increasing costs or input prices resulting from climate change (e.g. higher insurance fees, higher prices for water, adaptation of processes or facilities)	I1_3	1 - High 2 - Medium 3 - Low 4 - Had no effect / not relevant
impacts of extreme weather conditions (e.g. damages/disturbances)	I1_4	1 - High 2 - Medium 3 - Low 4 - Had no effect / not relevant

### 10.1. ENVIRONMENTAL INNOVATION ACTIVITIES

Questions on table rows J1\_1 to J1\_12 are mandatory. Environmental innovation is a new or improved product (good or service) or process with environmental benefits.

## The Community Innovation Survey

Questionnaire code: 12932023

Submitted in: 15.08.2023, data about 2022

Period:

page 7/9

		Answer
		1
J1. During 2020–2022, did your enterprise introduce innovations with any environmental benefits? If yes, was their contribution to environmental protection rather significant or insignificant?	J	
Environmental benefits obtained within your enterprise	x	
reduced material or water use per unit of output	J1_1	1 - Yes, significant 2 - Yes, but insignificant 3 - No
reduced energy use or CO2 'footprint' (i.e. reduced total CO2 emission)	J1_2	1 - Yes, significant 2 - Yes, but insignificant 3 - No
reduced soil, noise, water or air pollution	J1_3	1 - Yes, significant 2 - Yes, but insignificant 3 - No
replaced a share of materials with less polluting or hazardous substitutes	J1_4	1 - Yes, significant 2 - Yes, but insignificant 3 - No
replaced a share of fossil energy with renewable energy sources	J1_5	1 - Yes, significant 2 - Yes, but insignificant 3 - No
recycled waste, water, or materials for own use or sale	J1_6	1 - Yes, significant 2 - Yes, but insignificant 3 - No
protection of biodiversity	J1_7	1 - Yes, significant 2 - Yes, but insignificant 3 - No
Environmental benefits obtained during the consumption or use of a good or service by the end user	x_	
reduced energy use or CO2 'footprint'	J1_8	1 - Yes, significant 2 - Yes, but insignificant 3 - No
reduced air, water, soil or noise pollution	J1_9	1 - Yes, significant 2 - Yes, but insignificant 3 - No
facilitated recycling of product after use	J1_10	1 - Yes, significant 2 - Yes, but insignificant 3 - No
extended product life through longer-lasting, more durable products	J1_11	1 - Yes, significant 2 - Yes, but insignificant 3 - No
protection of bio-diversity	J1_12	1 - Yes, significant 2 - Yes, but insignificant 3 - No
.	SUUNAMINE	ROUTING
IF YOU ANSWERED "NO" TO ALL OPTIONS IN QUESTION J1, GO TO THE END OF THE QUESTIONNAIRE.	xx	
J2. During 2020–2022, how important were the following factors in driving your enterprise's decisions to introduce innovations with environmental benefits?	J2	
existing environmental regulations	J2_1	1 - High 2 - Medium 3 - Low 4 - Had no effect / not relevant
existing environmental taxes, charges or fees	J2_2	1 - High 2 - Medium 3 - Low 4 - Had no effect / not relevant
environmental regulations or taxes expected in the future	J2_3	1 - High 2 - Medium 3 - Low 4 - Had no effect / not relevant
government grants, subsidies or other financial incentives for environmental innovations	J2_4	1 - High 2 - Medium 3 - Low 4 - Had no effect / not relevant
current or expected market demand for environmental innovations	J2_5	1 - High 2 - Medium 3 - Low 4 - Had no effect / not relevant
improving your enterprise's reputation	J2_6	1 - High 2 - Medium 3 - Low



## The Community Innovation Survey

Questionnaire code: 12932023

Submitted in: 15.08.2023, data about 2022

Period:

page 8/9

		4 - Had no effect / not relevant
voluntary actions or initiatives for environmental good practice within your sector	J2_7	1 - High 2 - Medium 3 - Low 4 - Had no effect / not relevant
high cost of energy, water or materials	J2_8	1 - High 2 - Medium 3 - Low 4 - Had no effect / not relevant
need to meet requirements for public procurement contracts	J2_9	1 - High 2 - Medium 3 - Low 4 - Had no effect / not relevant

### 12. TIME SPENT ON FILLING OUT THE QUESTIONNAIRE (incl. for preparing the data)

Please estimate how much time you spent on filling out the questionnaire (incl. time spent on reading the instructions, collecting and preparing data). Record the total time spent by all employees.

	Spent time
Hours	
Minutes	
Please indicate the hours and minutes separately. For example, if it took 1.5 hours (i.e. 90 minutes) to complete the questionnaire, you should enter 1 in the hours field and 30 in the minutes field.	

### Information on receiving support

According to our data, in 2020–2022, your enterprise was a cooperation partner of a technology development centre (TAK) in the area of research and development or cooperated under a contract with research institutions and universities or received innovation support from one of the following sources: SA Archimedes, ARIB, Enterprise Estonia, Estonian Research Council or "Horizon 2020" programme. You have reported that during these years your enterprise did not have any new or improved products or processes, completed innovation activities or ongoing, abandoned or postponed activities related to product or process innovations.

	Received support
Info: 1 = YES; Empty = NO	

### Y0. Feedback to the questionnaire

Dear Respondent!	
This is where we ask for your direct feedback.	
Please assess the statements below on a scale of 1 to 5, with 1 being the lowest and 5 being the highest.	
NB! These questions apply to the current questionnaire.	
Providing feedback is voluntary. Thank you!	

### Y1. Assessment on a scale of 1 to 5

	Assessment on a scale of 1 (strongly disagree) to 5 (strongly agree)
Wording of questions was comprehensible.	1 - 5 2 - 4 3 - 3 4 - 2 5 - 1 6 - Do not know
Wording of error messages or controls was comprehensible, and they were helpful for finding and fixing errors.	1 - 5 2 - 4 3 - 3 4 - 2 5 - 1 6 - Do not know
The manual (accessible from the questionnaire header: "Show more")	1 - 5



## The Community Innovation Survey

Questionnaire code: 12932023

Submitted in: 15.08.2023, data about 2022

Period:

page 9/9

-> "View the instructions" -> "Questionnaire manual") was easy to understand and helpful	2 - 4 3 - 3 4 - 2 5 - 1 6 - Do not know
Explanatory texts (appearing when the mouse cursor hovers over them) of the questionnaire were comprehensible and helpful.	1 - 5 2 - 4 3 - 3 4 - 2 5 - 1 6 - Do not know
Prefilled fields (text boxes with preexisting data) simplified and sped up the completion of the questionnaire.	1 - 5 2 - 4 3 - 3 4 - 2 5 - 1 6 - Do not know
eSTAT environment was user-friendly for completing the questionnaire (e.g. all the tables properly fit on the screen).	1 - 5 2 - 4 3 - 3 4 - 2 5 - 1 6 - Do not know

### Y2. Overall assessment on the questionnaire

	Answer
Please give an overall assessment on completing the questionnaire.	10 - Very easy 20 - Easy 30 - Average (neither easy nor difficult) 40 - Difficult 50 - Very difficult

### Y3. Suggestions and comments (200 characters max)


COMMENT