

Research and development (R&D)

Questionnaire code: 11332022

Submitted in: 1.03.2022, data about 2021

Period:

Periodicity: Annual

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Statistics Estonia guarantees the full protection of data submitted.

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:

1. NUMBER OF PERSONS EMPLOYED AT THE END OF THE REFERENCE YEAR

At the end of the reference year does not necessarily mean as at the last working day of the year, but a day in the second half of December, when the necessary data is available.

		Number of persons employed	incl. number of employees engaged in R&D
		1	2
Men	01		
Women	02		
Total	03		x

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1.1. EMPLOYEES ENGAGED IN RESEARCH AND DEVELOPMENT BY SCIENTIFIC AREAS AT THE END OF THE REFERENCE YEAR

List all persons who worked for the organisation at the end of the reference year and were engaged in R&D in the extent of at least 10% of their working time. Only indicate data about those people in the table, who were indicated in column 2 of Table 1. Doctoral and master's students are reflected in the report together with scientists and engineers, provided that they get remuneration for R&D.

		Natural sciences 1	Engineering sciences 2	Medical science 3	Agricultural sciences 4	Social sciences 5	Humanities 6	Total 7
Scientists and engineers, men	01							sum of columns 1...6 of the same row
Scientists and engineers, women	02							sum of columns 1...6 of the same row
Technicians, men	03							sum of columns 1...6 of the same row
Technicians, women	04							sum of columns 1...6 of the same row
Assistant personnel, men	05	x	x	x	x	x	x	
Assistant personnel, women	06	x	x	x	x	x	x	

1.2. NUMBER OF EMPLOYEES ENGAGED IN RESEARCH AND DEVELOPMENT IN THE REFERENCE YEAR IN FULL-TIME EQUIVALENTS

Unlike in Table 1.1, Table 1.2 also lists the working time spent on R&D by those employees who do not work any more at the end of the year or for whom the share of R&D in their work was below 10%. In other words – indicate all working time spent on R&D in the reference year. Working time spent on R&D by one employee can be divided by areas for Table 1.2. The data about the employee may be estimated.

		Natural sciences 1	Engineering sciences 2	Medical science 3	Agricultural sciences 4	Social sciences 5	Humanities 6	Total 7
Scientists and engineers, men	01							sum of columns 1...6 of the same row
Scientists and engineers, women	02							sum of columns 1...6 of the same row

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Technicians	03								row sum of columns 1...6 of the same row
Assistant personnel	04	x	x	x	x	x	x	x	

2. EMPLOYEES ENGAGED IN RESEARCH AND DEVELOPMENT BY POST AND LEVEL OF EDUCATION AT THE END OF THE REFERENCE YEAR

Data about the level of education of employees based on the document indicating the highest level of education. On row 8, the sums in columns 1–6 must correspond to the data indicated in Table 1.1 column 7.

		Scientists and engineers, men	Scientists and engineers, women	Technicians, men	Technicians, women	Assistant personnel, men	Assistant personnel, women	Total, men	Total, women
	1	2	3	4	5	6	7	8	
Doctor	01							sum of columns 1, 3, 5 of the same row	sum of columns 2, 4, 6 of the same row
Master	02							sum of columns 1, 3, 5 of the same row	sum of columns 2, 4, 6 of the same row
Academic higher education	03							sum of columns 1, 3, 5 of the same row	sum of columns 2, 4, 6 of the same row
Professional higher education	04							sum of columns 1, 3, 5 of the same row	sum of columns 2, 4, 6 of the same row
Vocational secondary education	05	x	x					sum of columns 3 and 5 of the same row	sum of columns 4 and 6 of the same row
Secondary education	06	x	x					sum of columns 3 and 5 of the same row	sum of columns 4 and 6 of the same row
Without secondary education	07	x	x					sum of columns 3 and 5 of the same row	sum of columns 4 and 6 of the same row
Total	08	sum of rows 01...04 of the same column	sum of rows 01...04 of the same column	sum of rows 01...07 of the same column	sum of rows 01...07 of the same column	sum of rows 01...07 of the same column	sum of rows 01...07 of the same column	sum of rows 01...07 of the same column	sum of rows 01...07 of the same column

3. SCIENTISTS AND ENGINEERS BY AGE AND SEX AT THE END OF THE REFERENCE YEAR

Contact person: Help desk (contact centre), Phone: 6259 300, E-mail: klienditugi@stat.ee, Postal address: Vabaduse plats 2, 71020 Viljandi

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Distribution of scientists and engineers by age. Total numbers of female and male scientists must correspond to the data indicated in previous tables. The table does not include data about technicians or assistant personnel. Total number of (fe)male scientists and engineers by age in column 1 must correspond to the data indicated in Table 1.1 column 7 row 1 (2).

		Total scientists and engineers	incl. up to 25-year-olds	incl. 25–34-year-olds	incl. 35–44-year-olds	incl. 45–54-year-olds	incl. 55–64-year-olds	incl. 65-year-olds and older
	1	2	3	4	5	6	7	
Men	01	sum of columns 2...7 of the same row						
Women	02	sum of columns 2...7 of the same row						

4. SCIENTISTS AND ENGINEERS BY SCIENTIFIC AREAS AT THE END OF THE REFERENCE YEAR

Division of scientists and engineers by scientific degree, scientific areas are determined by the main activities of the employee like in Table 1.1, not by the specialty of the scientific degree or diploma. The table does not include data about technicians or assistant personnel. Column 1 and 2 are prefilled with data from Table 1.1. On row 7, the sums in columns 1–6 must correspond to the data indicated in Table 2 columns 1–2.

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5. SCIENTISTS AND ENGINEERS WITH FOREIGN CITIZENSHIP BY SEX

Please note that foreign researchers indicated in Table 5 must also be included in tables 1, 1.1, 1.2, 2, 3 and 4.

Data about scientists and engineers with foreign citizenship by countries and sex. If filled in online, choose the name of the country from the list of countries.

Record no	Country code and name	Men	Women
	1	2	3
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

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6. COSTS ON RESEARCH AND DEVELOPMENT BY SOURCES OF FUNDING AND SCIENTIFIC AREAS, EUROS

R&D costs by sources of funding and scientific areas. Five main sources of R&D funding are distinguished: state, companies, non-profit private sector, universities and higher education institutions and foreign sources. Financial data is indicated in euros without decimals.

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7. COSTS ON RESEARCH AND DEVELOPMENT BY NATIONAL AND FOREIGN SOURCES OF FUNDING

In detail, indicate the R&D costs funded from national or foreign sources. The total sums must correspond to those indicated in Table 6. Support from the EU, international organisations, foreign countries and non-governmental organisations of foreign countries granted through the state budget is considered support from the state, not from foreign sources.

		Total costs, euros
	1	
From state budget (core financing, costs on infrastructure, investments, PhD student support)	01	
Estonian Research Council	02	
Funds and foundations financed by the state, except Estonian Research Council	03	
Ministries, authorities and other state institutions	04	
Rural municipalities/cities, municipality authorities	05	
From own funds (public sector institutions)	06	
TOTAL state funds	07	sum of rows 01...06
	x07	
European Union research grants	08	
Foreign companies	09	
Foreign funds and endowments	10	
Other foreign funding	11	
Checksum to row 12	12	sum of rows 08...11
TOTAL foreign sources (value displayed from Table 6 row 6)	x12	value from Table 6 row 07 column 6

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8. COSTS ON RESEARCH AND DEVELOPMENT BY TYPE OF COSTS, EUROS

R&D costs by main cost items and types of investment regardless of the source of funding.

		Total costs (prefilled value will be displayed from Table 6 row 7 column 1 after saving)	Labour costs	Other current costs	Acquisition, construction and capital repairs of buildings and facilities	Equipment, apparatus, machinery, inventory and means of transport	Other investments, incl. into intangible fixed assets
		1	2	3	4	5	6
Expenses	01	value from Table 6 row 07 column 1					

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9. COSTS ON RESEARCH AND DEVELOPMENT BY TYPE OF ACTIVITY BASED ON FIELDS OF APPLICATION, EUROS

R&D costs by the nature of research and scientific areas. See examples from the guide "Determining the type of research and development"

		Total costs	incl. on basic research	incl. on applied research	incl. on experimental development works
	1	2	3	4	
Natural sciences	01	sum of columns 2...4 of the same row			
Engineering sciences	02	sum of columns 2...4 of the same row			
Medical science	03	sum of columns 2...4 of the same row			
Agricultural sciences	04	sum of columns 2...4 of the same row			
Social sciences	05	sum of columns 2...4 of the same row			
Humanities	06	sum of columns 2...4 of the same row			
Total	07	value from Table 6 row 07 column 1	sum of rows 01...06 of the same column	sum of rows 01...06 of the same column	sum of rows 01...06 of the same column

10. COSTS ON RESEARCH AND DEVELOPMENT BY FIELDS OF APPLICATION, EUROS

R&D costs are divided by fields of application, separating the activities funded by state resources, and keeping in mind the purpose of the funding of the survey. Field of application is not determined (row 13) for surveys which are conducted for increasing knowledge, but which cannot be connected with a specific application, and for which the field of application was also not determined when funds were allocated.

		Total costs	Funded from state funds
	1	2	
Agriculture, forestry, fishing	01		
Industrial production and technology	02		
Generation, distribution and rational use of energy	03		
Transport, telecommunication and other infrastructures	04		
Protection of the environment	05		
Health sciences	06		
Culture, spare time, religion and media	07		
Education	08		
Political and social systems, structures and processes	09		
Studies and use of earth's crust, hydrosphere and atmosphere	10		
Space exploration and capture	11		
National defence	12		
Application not specified	13		
Total. Row K_14 must be equal to row 14	K_14	sum of rows 01...13 of column 1	sum of rows 01...13 of column 2
TOTAL COSTS (prefilled value will be displayed from Table 6 row 7 after saving)	14	value from Table 6 row 07 column 1	value from Table 6 row 07 column 2

11. 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.

	Time spent
Hours	
Minutes	
For example, if it took 1.5 hours, i.e. 90 minutes, to fill in the questionnaire, enter 1 on the hours row and 30 on the minutes row.	

COMMENT

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