

# Questionnaire on Personnel and Expenditure in Research & Development Activities - 2022

## Business Enterprise Sector

This questionnaire collects data on personnel engaged and expenditure spent in 2022 within your enterprise for research and development activities (R&D activities), that have been realised either as part of your business activities or in the framework of externally funded R&D projects or on request by other institutions.

The National Documentation Centre (EKT), agency and national authority of the Hellenic Statistical System responsible for the production of official national R&D statistics, implements this survey in compliance with the relevant EU regulations, with the cooperation of the Hellenic Statistical Authority (ELSTAT).

All the questions of the questionnaire must be answered accurately. If you do not know the exact value of an item, please provide your best estimate.

### Questionnaire sections:

- **Section A:** General information
- **Section B:** Personnel engaged in R&D activities
- **Section C:** Intramural expenditure for R&D activities
- **Section D:** Analysis of R&D activities in fields of special interest
- **Section E:** Extramural expenditure (to third parties) for R&D activities
- **Section F:** Methodological information and Questionnaire assessment

### Legal Framework of the survey

The R&D survey is mandatory for all EU member states, is regulated by Commission Regulations<sup>1</sup> and covers all institutions / enterprises that potentially have R&D activity. The National Documentation Centre (EKT), with its institutional role being the collection, documentation and dissemination of scientific and technological data and content ([www.ekt.gr/en](http://www.ekt.gr/en)), produces and transmits to Eurostat the official national R&D statistics, as the competent authority of the Hellenic Statistical System (Government Gazette 4671b/2020)<sup>2</sup>, with the cooperation of the Hellenic Statistical Authority (ELSTAT)<sup>3</sup>.

According to National Statistical Regulation No 3832/2010, your enterprise's participation in the survey is **compulsory**. EKT is committed to and protects at all stages of statistical production the **confidentiality** of the data of this questionnaire, which are used exclusively for statistical purposes and are not published or disseminated to third parties.

The personal data collected with the questionnaire are solemnly used for the purpose of conducting the survey and the production of the relevant statistics. The authorised personnel which is responsible for the survey may contact you, while managing the aforementioned personal data, exclusively for the purpose of the correct completion of the questionnaire.

More information on the legal framework and policies followed by the EKT: <https://metrics.ekt.gr/en> .

<sup>1</sup> <https://metrics.ekt.gr/en/research-development/about>

<sup>2</sup> [https://metrics.ekt.gr/sites/metrics-ekt/files/pages-pdf/FEK\\_4671\\_B\\_19122020.pdf](https://metrics.ekt.gr/sites/metrics-ekt/files/pages-pdf/FEK_4671_B_19122020.pdf)

<sup>3</sup> [https://metrics.ekt.gr/sites/metrics-ekt/files/pages-pdf/mnimonio\\_synergias\\_elstat\\_ekt\\_2020.pdf](https://metrics.ekt.gr/sites/metrics-ekt/files/pages-pdf/mnimonio_synergias_elstat_ekt_2020.pdf)

## Which activities qualify as R&D activities

**Research and development activities (R&D activities)** are implemented not only in institutions having research as a primary institutional objective (universities, public or private research centers and institutes, ephorates of antiquities, etc.) but also in institutions in all sectors of the economy (large, small or very small enterprises, public entities with an institutional function that serve non-research purposes, memory and culture entities, hospitals, non-profit entities, etc.).

Within an enterprise, **R&D activities** can be carried out in departments exclusively focused on R&D or, more broadly, in departments that implement other activities as well. R&D concern natural sciences and engineering, medical sciences as well as social & human sciences. **In any case, R&D activities are not only the ones funded by research programs.**

R&D activities can be funded by government, through ordinary budget (institutional funding) or Public Investment Budget ESPA projects, or by enterprises, for their internal R&D as well as for acquiring R&D services from other institutions, or by foreign sources (EU research framework programmes such as Horizon 2020 and Horizon Europe, foreign enterprises, and other institutions in rest of the world).

For an activity to be an R&D activity it must be novel, creative, uncertain, systematic and transferable and /or reproducible. Based on the objectives and the degree of originality involved in an R&D activity, it is distinguished into:

- **Experimental development (Development activities):** systematic work, drawing on knowledge gained from research and practical experience and producing additional knowledge, which is directed to producing new products or processes or to improving existing products or processes.
- **Applied research (Research activities):** original investigation undertaken in order to acquire new knowledge. It is, however, directed primarily towards a specific, practical aim or objective.
- **Basic research (Research activities):** experimental or theoretical work undertaken primarily to acquire new knowledge of the underlying foundations of phenomena and observable facts, without any particular application or use in view.

Overall, according to the Frascati Manual<sup>4</sup> followed in the production of R&D statistics:

**Research and Development (R&D)** comprise creative and systematic work undertaken in order to increase the stock of knowledge – including knowledge of humankind, culture and society – and to devise new applications of available knowledge.

## Which is the use of the collected data

- R&D expenditures are included in the country's GDP, in compliance with the revised European System of Accounts ESA 2010, and are recorded as fixed capital expenditure.
- The R&D Intensity indicator (R&D Expenditures as % of GDP) is one of the nine headline indicators which are used to monitor the progress of the Europe 2020 strategy towards a goal of R&D expenditures of the European Union reaching 3% of GDP. This goal has been extended to 2030.
- The R&D Intensity (R&D Expenditures as % of GDP) includes auxiliary indicators of the Macroeconomic Imbalance Procedure (MIP) Scoreboard, a scoreboard which is used by the European Commission for timely updates on the monitoring of the macroeconomic imbalance of the EU member states. (European Semester).
- The R&D Intensity (R&D Expenditures as % of GDP) and the indicator for 'researchers (in Full Time Equivalent-FTE) per one million people' have a target of 9.5 of pillar 9- Industry, Innovation & infrastructure of the United Nations' Sustainable Development Goals.
- The R&D indicators are fed into 'indicator groups' monitoring European policies (such as the European Innovation Scoreboard and the Regional Innovation Scoreboard, SRI Performance report, Research and Innovation Observatory (RIO) country reports, European Research Area etc.) and international policies (such as the EC-OECD STIP Compass Platform, OECD's key publications such as STI Outlook and STI Scoreboard, and UNESCO's statistics database).
- At national level, R&D statistics provide data to monitoring indicators regarding the national and regional strategies for Smart Specialisation (RIS3) 2014-2020 as well as the Operational Program Competitiveness, Entrepreneurship and Innovation (EPAnEK) and the regional operational programs. In particular, the ESPA 2014-2020 monitoring indicators linked to R&D statistics, are:
  - Total R&D expenditure as a percentage of GDP, at national and regional level
  - R&D expenditure of enterprises as a percentage of GDP, at national and regional level
  - R&D expenditure of government sector.

<sup>4</sup> [https://www.oecd-ilibrary.org/science-and-technology/frascati-manual-2015\\_9789264239012-en](https://www.oecd-ilibrary.org/science-and-technology/frascati-manual-2015_9789264239012-en)

## Section A | General information

### A.1. Enterprise Identity

#### A.1.1 Headquarters information

Legal name	
VAT Number	
Address: Street and Number	
ZIP code	
City	
Website address	
Municipality	
Region	

#### A.1.2 Number of persons employed\* - 2022

Please report the average number of persons employed for the year 2022	
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\* Total number of persons (headcount) who work in the enterprise (inclusive of working proprietors, partners working regularly in the unit and unpaid family workers), as well as persons who work outside the enterprise's premises and are paid by it (e.g. sales representatives, delivery personnel, repair and maintenance teams). It excludes manpower supplied to the enterprise by other enterprises, persons carrying out repair and maintenance work in the enterprise on behalf of other enterprises, as well as employed persons on compulsory military service or long-term leave.

#### A.1.3 Principal economic activity (NACE rev.2) which yields the highest turnover

NACE code (4 digit)	Description
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#### A.1.4 Year of establishment

Year of establishment	----
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### A.1.5 Enterprise group information

In 2022, was your enterprise part of an enterprise group*?	Yes <input type="radio"/>	No <input type="radio"/>
Is the head office located in Greece?	Yes <input type="radio"/>	No <input type="radio"/>
Are all group members located in Greece?	Yes <input type="radio"/>	No <input type="radio"/>

\* A group consists of two or more legally defined enterprises under common ownership. Each enterprise in the group can serve different markets, as with national or regional subsidiaries, or serve different product markets. The "head office" is the legal entity that is not directly or indirectly controlled by any other institutional unit; it is also part of the enterprise group.

Please fill in the Name of the Group: \_\_\_\_\_

Except from your enterprise, are there any other legal units (enterprises) within the same group that implement R&D activities? Yes  No

If yes, please fill in their legal names:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### A.1.6

Is your enterprise controlled* by a foreign institution/enterprise?	Yes <input type="radio"/>	No <input type="radio"/>
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\*Your enterprise is controlled (with more than 50% of its share capital) by shareholders based abroad.



## A.2 Contact information for this questionnaire

### A.2.1 Person responsible for the completion of the questionnaire

First Name	
Last Name	
Department	
Position	
Telephone	
E-mail	

### A.2.2 Information of the executive completing the questionnaire *(if different from above)*

First Name	
Last Name	
Department	
Position	
Telephone	
E-mail	

### A.3 R&D activities

#### A.3.1 Intramural R&D activities

Please indicate in the table below if your enterprise carried out any of the following R&D activities in 2022:

Select **all** the options that apply

in the Research and Development (R&D) department?	Yes <input type="radio"/>	No <input type="radio"/>
In collaboration with higher education institutions (e.g., Universities)?	Yes <input type="radio"/>	No <input type="radio"/>
in collaboration with Research Centers or public research institutions?	Yes <input type="radio"/>	No <input type="radio"/>
for the development of new materials, goods or services?	Yes <input type="radio"/>	No <input type="radio"/>
for the substantial improvement or/and development of already existing materials, goods or services?	Yes <input type="radio"/>	No <input type="radio"/>
for the exploration and the improvement or/and the development of new materials, goods or services?	Yes <input type="radio"/>	No <input type="radio"/>
for the development of new methods or/and business processes (including all main and supporting activities)?	Yes <input type="radio"/>	No <input type="radio"/>
for the substantial improvement or/and development of already existing methods or/and business processes (including all main and supporting activities)?	Yes <input type="radio"/>	No <input type="radio"/>
for the exploration and the improvement or/and the development of new methods or/and business processes (including all main and supporting activities)?	Yes <input type="radio"/>	No <input type="radio"/>
for the development of new software for use in improving and/or supporting goods, services and methods/processes?	Yes <input type="radio"/>	No <input type="radio"/>
in the framework of R&D projects funded by the European Commission (i.e. Horizon 2020)?	Yes <input type="radio"/>	No <input type="radio"/>
in the framework of R&D projects funded by ESPA?	Yes <input type="radio"/>	No <input type="radio"/>
In the framework of the Recovery and Resilience Facility (RRF)	Yes <input type="radio"/>	No <input type="radio"/>
which required the involvement of highly qualified staff / PhDs in order to bring new / specialized knowledge?	Yes <input type="radio"/>	No <input type="radio"/>
Other than the above. If <b>YES</b> , please provide a brief description:	Yes <input type="radio"/>	No <input type="radio"/>

**A.3.2** Please report the main industry served by the outcome of the R&D activities of your enterprise (i.e., the main economic activity where the R&D results of your enterprise will be applied/used):

Nace Code (2 digit)	Description
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#### A.3.3 Extramural R&D Activities

Have you outsourced any R&D activities to third parties (e.g., Universities, Research and Technology Centers, enterprises, etc.) in 2022?	Yes <input type="radio"/>	No <input type="radio"/>
	[If yes, please fill in the relevant expenditure in section E]	

## Section B | Personnel engaged in R&D activities

The questions in this section provide information on the human resources contributing to your enterprise's R&D activities. Both the number of individuals (Head Counts) and the time of their participation / employment in R&D activities (Person years or Full Time Equivalent) are reported (see the relevant paragraph below).

### Step 1

Firstly, you will need to identify all those individuals (natural persons) who were directly involved in the R&D activities of your enterprise identified in the previous section (question A.3.1. This R&D personnel has to be classified into the two following groups:

#### 1st Group

**Researchers:** Professionals engaged in R&D activities with tasks that require special knowledge / professional experience / high level of education and aim to improve or develop techniques, methods and tools, software or operational models as well as concepts, theories, models. These lead professionals will be recorded in the questionnaire as "**Researchers**" as their professional activities aim at the conception and creation of new knowledge.

Each R&D activity must have at least one person employed as a Researcher.

*To complete the questionnaire, you will need information on gender, education level, age and nationality of those belonging in this group.*

#### 2nd Group

**Technical personnel:** Specialized personnel engaged in R&D activities, supporting their implementation with tasks requiring technical knowledge and expertise in one or more fields of engineering, natural sciences, health sciences or, in other cases, social sciences and humanities. These individuals will be recorded in the questionnaire as "**Other R&D personnel**" as their tasks mainly support the R&D activities.

**Other support personnel:** Personnel involved in R&D activities, with support tasks (administrative and/or secretarial support, technicians, etc.). These individuals will be recorded in the questionnaire as "**Other R&D personnel**" as their tasks mainly support the R&D activities.

*To complete the questionnaire, you will need information on gender and education level of those belonging in this group.*

### Step 2

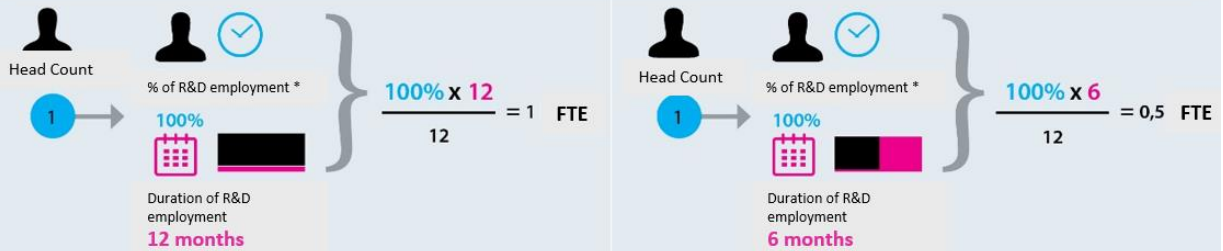
Estimate the Full Time Equivalents (FTEs) for the R&D personnel.

**Full Time Equivalent (FTE)** is a unit measuring of the actual time dedicated annually on R&D activities. FTE is calculated as the ratio of working time spent on R&D during a year to the annual working time corresponding to full time employment. FTE takes values from 0 (no R&D employment) to 1 (full time R&D employment). Thus, a person employed for R&D work on an annual and full-time basis, corresponds to 1 FTE. Persons who contributed in R&D activities for less than ten per cent of their working time (FTE less than 0.10) are not recorded in this questionnaire.

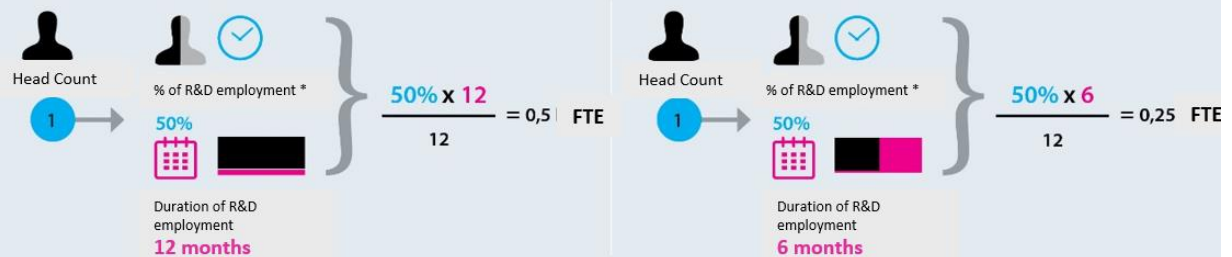
$$\text{Full Time Equivalent (FTE)} = \frac{\text{Working hours in R\&D during the year}}{\text{Working hours during the year for full time employment}}$$

## Examples

**A. Full-time R&D employment = tasks and jobs exclusively on R&D activities (design, implementation, monitoring, coordination, R&D activities management)**



**B. Part-time R&D employment = tasks and jobs that relate to R&D activities, as well as other activities (production, teaching, general management etc.) In order to record an employee in the questionnaire, his/her percentage of R&D engagement has to be above 10%**



*\*On a monthly basis, the percentage of R&D employment is calculated as the ratio of R&D working hours to the total employment time*



**B.1** Which of the following personnel categories were engaged in R&D activities in 2022:

CATEGORIES OF PERSONNEL ENGAGED IN R&D ACTIVITIES	YES	NO
<p><b>A. Internal permanent personnel</b> engaged in R&amp;D activities of your enterprise  <i>Permanent contracts. This category also includes managerial personnel (providing that they are engaged in the R&amp;D activities of your enterprise) who are remunerated, mainly, by dividends or lump-sum, as well as working proprietors and unpaid family workers (applicable to enterprises only.)</i></p>	<p><input type="radio"/>                      If yes, please fill out <b>B1.1</b></p>	<p><input type="radio"/></p>
<p><b>B. Internal temporary personnel</b> engaged in R&amp;D activities of your enterprise  <i>Natural persons who work in R&amp;D under the instructions of your enterprise and have a regular interaction with it (regular physical presence or teleworking, regular work meetings etc.):</i></p> <ul style="list-style-type: none"> <li>• <i>fixed-term employment contracts (full-time or part-time),</i></li> <li>• <i>civil contracts covered by par. 9 of art 39 of Greek law N.4387/2016, etc. <sup>1</sup></i></li> </ul>	<p><input type="radio"/>                      If yes, please fill out <b>B1.2</b></p>	<p><input type="radio"/></p>
<p><b>C. External contributors</b> engaged in R&amp;D activities of your enterprise - <i>excluded: the (active) personnel of Greek HEIs who should be recorded in B1.4 category</i>  <i>Natural persons who work in R&amp;D under the instructions of your enterprise without a regular interaction with it: contracts for the provision of services or the assignment of projects to natural persons.</i></p>	<p><input type="radio"/>                      If yes, please fill out <b>B1.3</b></p>	<p><input type="radio"/></p>
<p><b>D. Personnel of Greek HEIs</b> engaged in R&amp;D activities of your enterprise  <i>Active Universities' faculty members – Professors, Associates, Assistants-, Special and Laboratory Teaching Staff, other permanent assistants and scientific collaborators, Special Technical Laboratory Staff, Temporary Teaching Staff (PD 407 / 80), etc. receiving remuneration for their engagement in the R&amp;D activities of your enterprise.</i></p>	<p><input type="radio"/>                      If yes, please fill out <b>B1.4</b></p>	<p><input type="radio"/></p>
<p><b>E. Other external personnel receiving remuneration by other institution/enterprise and are engaged in R&amp;D activities of your enterprise</b>  <i>Natural persons who work in R&amp;D under the instructions of your enterprise with or without a regular interaction with it and are paid by another institution/ enterprise.</i></p>	<p><input type="radio"/>                      If yes, please fill out <b>B1.5</b></p>	<p><input type="radio"/></p>

<sup>1</sup> Employees with civil contract who have a stable cooperative relationship with the enterprise

### B.1.1 Internal Permanent Personnel engaged in R&D activities of your enterprise - 2022

Please record the number of people as well as the Full Time Equivalent (FTEs) for the A staff category of Table B1. Permanent employment contracts are included, as are managerial staff who are paid, mainly, with dividends or a lump sum, as well as assisting family members, as long as they are employed in the company's R&D activities.

	Total		Female	
	Head counts	Full Time Equivalent (FTEs)	Head counts	Full Time Equivalent (FTEs)
<b>A+B Total R&amp;D Personnel</b>				
<b>A. Researchers</b>				
<i>Please distribute researchers by level of education (based on the highest degree)</i>				
PhD holders				
Master's degree or Higher education degree ❶				
Other qualification ❷				
<i>Total (same as A total)</i>				
<i>Please distribute researchers by age group</i>				
Up to 24 years old				
25 – 34 years old				
35 – 44 years old				
45 – 54 years old				
55 – 64 years old				
65 years old and above				
<i>Total (same as A total)</i>				
<i>Please distribute researchers by nationality</i>				
Greek				
Other EU Member States				
Other European countries				
North America				
Central and South America				
Asia				
Africa				
Other nationality				
<i>Total (same as A total)</i>				
<b>B. Other R&amp;D personnel</b>				
<i>Please distribute other R&amp;D personnel by level of education (based on the highest degree)</i>				
PhD holders				
Master's degree or Higher education degree ❶				
Other qualification ❷				
<i>Total (same as B total)</i>				

❶ Master's Degree, University, Technological Educational Institute, Open University Degree.

❷ Vocational Training Institute diploma/ High school diploma/ Elementary school diploma

### B.1.2 Internal Temporary Personnel engaged in R&D activities of your enterprise - 2022

Please record the number of people as well as the Full Time Equivalents (FTEs) for the B staff category of Table B1. Natural persons are included who work on R&D under the instructions of your enterprise, with a regular interaction with it (fixed-term employment contracts (full-time or part-time), civil contracts covered).

	Total				Female	
	Head counts	Of which working in ESPA projects	Full Time Equivalents (FTEs)	Of which working in ESPA projects	Head counts	Full Time Equivalents (FTEs)
<b>A+B Total R&amp;D Personnel</b>						
<b>A. Researchers</b>						
<i>Please distribute researchers by level of education (based on the highest degree)</i>						
PhD holders						
Master's degree or Higher education degree ❶						
Other qualification ❷						
<i>Total (same as A total)</i>						
<i>Please distribute researchers by age group</i>						
Up to 24 years old						
25 – 34 years old						
35 – 44 years old						
45 – 54 years old						
55 – 64 years old						
65 years old and above						
<i>Total (same as A total)</i>						
<i>Please distribute researchers by nationality</i>						
Greek						
Other EU Member States						
Other European countries						
North America						
Central and South America						
Asia						
Africa						
Other nationality						
<i>Total (same as A total)</i>						
<b>B. Other R&amp;D personnel</b>						
<i>Please distribute other R&amp;D personnel by level of education (based on the highest degree)</i>						
PhD holders						
Master's degree or Higher education degree ❶						
Other qualification ❷						
<i>Total (same as B total)</i>						

❶ Master's Degree, University, Technological Educational Institute, Open University Degree.

❷ Vocational Training Institute diploma/ High school diploma/ Elementary school diploma



**B.1.3 External contributors engaged in R&D activities of your enterprise - 2022**

Please record the number of people as well as the Full Time Equivalent (FTEs) for the C staff category of Table B1. Natural persons are included who work on R&D under the instructions of your enterprise, without a regular interaction with it (contracts for the provision of services or the assignment of projects to natural persons).

	Total				Female	
	Head counts	Of which working in ESPA projects	Full Time Equivalent (FTEs)	Of which working in ESPA projects	Head counts	Full Time Equivalent (FTEs)
<b>A+B Total R&amp;D Personnel</b>						
<b>A. Researchers</b>						
<i>Please distribute researchers by level of education (based on the highest degree)</i>						
PhD holders						
Master's degree or Higher education degree ❶						
Other qualification ❷						
<i>Total (same as A total)</i>						
<i>Please distribute researchers by age group</i>						
Up to 24 years old						
25 – 34 years old						
35 – 44 years old						
45 – 54 years old						
55 – 64 years old						
65 years old and above						
<i>Total (same as A total)</i>						
<i>Please distribute researchers by nationality</i>						
Greek						
Other EU Member States						
Other European countries						
North America						
Central and South America						
Asia						
Africa						
Other nationality						
<i>Total (same as A total)</i>						
<b>B. Other R&amp;D personnel</b>						
<i>Please distribute other R&amp;D personnel by level of education (based on the highest degree)</i>						
PhD holders						
Master's degree or Higher education degree ❶						
Other qualification ❷						
<i>Total (same as B total)</i>						

❶ Master's Degree, University, Technological Educational Institute, Open University Degree.

❷ Vocational Training Institute diploma/ High school diploma/ Elementary school diploma



**B.1.4 Personnel of Greek HEIs engaged in R&D activities of your enterprise -2022**

Please record the number of people as well as the Full Time Equivalents (FTEs) for the D staff category of Table B1. Active Universities' faculty members – Professors, Associates, Assistants-, Special and Laboratory Teaching Staff, other permanent assistants and scientific collaborators, etc. of Greek HEIs receiving remuneration for their engagement in the R&D activities of your enterprise are included.

	Total		Female	
	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
<b>A+B Total R&amp;D Personnel</b>				
<b>A. Researchers</b>				
<i>Please distribute researchers by level of education (based on the highest degree)</i>				
PhD holders				
Master's degree or Higher education degree ❶				
Other qualification ❷				
<i>Total (same as A total)</i>				
<i>Please distribute researchers by age group</i>				
Up to 24 years old				
25 – 34 years old				
35 – 44 years old				
45 – 54 years old				
55 – 64 years old				
65 years old and above				
<i>Total (same as A total)</i>				
<i>Please distribute researchers by nationality</i>				
Greek				
Other EU Member States				
Other European countries				
North America				
Central and South America				
Asia				
Africa				
Other nationality				
<i>Total (same as A total)</i>				
<b>B. Other R&amp;D personnel</b>				
<i>Please distribute other R&amp;D personnel by level of education (based on the highest degree)</i>				
PhD holders				
Master's degree or Higher education degree ❶				
Other qualification ❷				
<i>Total (same as B total)</i>				

❶ Master's Degree, University, Technological Educational Institute, Open University Degree.

❷ Vocational Training Institute diploma/ High school diploma/ Elementary school diploma

**B.1.5 Other External Personnel, remunerated by other institution/enterprise, engaged in R&D activities of your enterprise - 2022**

Please record the number of people as well as the Full Time Equivalents (FTEs) for the E staff category of Table B1. Natural persons are included who work on R&D under the instructions of your enterprise, with or without a regular interaction with it and are remunerated by other institution/enterprise.

	Total		Female	
	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
<b>A+B Total R&amp;D Personnel</b>				
<b>A. Researchers</b>				
<i>Please distribute researchers by level of education (based on the highest degree)</i>				
PhD holders				
Master's degree or Higher education degree ❶				
Other qualification ❷				
<i>Total (same as A total)</i>				
<i>Please distribute researchers by age group</i>				
Up to 24 years old				
25 – 34 years old				
35 – 44 years old				
45 – 54 years old				
55 – 64 years old				
65 years old and above				
<i>Total (same as A total)</i>				
<i>Please distribute researchers by nationality</i>				
Greek				
Other EU Member States				
Other European countries				
North America				
Central and South America				
Asia				
Africa				
Other nationality				
<i>Total (same as A total)</i>				
<b>B. Other R&amp;D personnel</b>				
<i>Please distribute other R&amp;D personnel by level of education (based on the highest degree)</i>				
PhD holders				
Master's degree or Higher education degree ❶				
Other qualification ❷				
<i>Total (same as B total)</i>				

❶ Master's Degree, University, Technological Educational Institute, Open University Degree.

❷ Vocational Training Institute diploma/ High school diploma/ Elementary school diploma

## SECTION C | Intramural expenditure for R&D activities

The questions in this section are intended to provide information on the expenditures on research and development activities within your enterprise in the year 2022. These costs are referred to as intramural expenditure.

The expenditures for R&D activities outsourced to external institutions/ organisations should NOT be included in intramural expenditure but in extramural expenditure in Section E.

### General instructions

- The data refer to expenditures occurring within the reference year (e.g., 2022) in compliance with your annual financial accounts.
- Expenditures should **NOT include VAT**.
- For multi-year R&D projects, you need to report the part of the expenditure actually made in the reference year (e.g., 2022).
- Data on intramural expenditures have to be provided for breakdowns “by type of cost” and by “source of funds”.

### Intramural expenditures for R&D activities by type of cost



#### Personnel cost for R&D activities

For one person:



**Person's FTE \* Person's Annual cost** (costs include gross remuneration, employer contributions, social security contributions, extraordinary bonus, allowances, etc.)

Person's FTE    Person's Annual cost

- Provide the cost of all individuals working in your R&D activities. In table C1, the above costs are requested to be provided separately for each personnel category (permanent, temporary, external contributors, personnel of Greek HEIs, other external personnel, remunerated by other institution/enterprise).



#### Other current costs for R&D activities

Provide data on all other current costs (except for personnel costs) that include:

- direct costs required for the implementation of your R&D activities (e.g., materials, laboratory consumables, travel expenses, books, journals, research equipment repair and maintenance costs, etc.)  
*as well as*
- the indirect costs (operating costs) to the extent used to implement R&D activities (e.g., rents, annual fees, electricity, internet, telephone costs, library subscriptions, other consumables, etc.). In the absence of a detailed allocation of operating costs to the various activities of your enterprise, these can be allocated to R&D activities on the basis of R&D personnel costs (pro rata) or using a flat rate (i.e., such the 25% flat rate used by EC in Horizon2020 R&D projects).



#### Capital expenditure for R&D activities

- Capital R&D expenditures are the annual gross amount paid for the acquisition of fixed assets that are used repeatedly or continuously in the performance of R&D for more than one year. They should be reported in full for the period when they took place, whether acquired or developed in house, and should not be registered as an element of depreciation. Therefore, the total cost of purchases made in the referenced year should be reported excluding depreciation cost. The most relevant types of assets used for R&D for which capital R&D expenditures should be compiled are: land and buildings, machinery and equipment, capitalised computer software and other intellectual property products.

## C.1 Intramural R&D expenditure by type of cost – 2022

Please allocate the total amount of your intramural expenditure spent for R&D activities by type of cost.

	Euros
<b>Current R&amp;D expenditure</b>	
<b>Permanent personnel cost</b> for R&D activities ①	
<b>Temporary personnel cost</b> for R&D activities ①	
<b>External contributors cost</b> for R&D activities ①	
<b>Personnel of Greek HEIs cost</b> for R&D activities ①	
<b>Other external personnel cost, remunerated by other institution/enterprise,</b> engaged in R&D activities ①	
<b>Other current expenditure</b> for R&D activities ②	
<b>R&amp;D Capital expenditure</b> ③	
<b>Land and buildings</b> for R&D activities ④	
<b>Machinery and equipment</b> for R&D activities ⑤	
<b>Capitalised computer software</b> for R&D activities	
<b>Other intellectual property products</b> for R&D activities ⑥	
<b>TOTAL</b>	

① Personnel costs include gross wages, employer contributions, social security payments, bonus payments, allowances, etc. for personnel engaged in R&D activities

Attention: for personnel that spends part of its working time (i.e., FTE <1) on R&D activities, you must include the part of the costs corresponding to these activities, which should correspond to the FTEs you reported in section B.

② All current costs used for R&D activities, other than personnel costs reported above, (e.g., operating costs - rents, electricity, telephone costs, etc., travel costs, consumables, books, journals, library subscriptions, workshop materials, and generally any other cost not included in the previous categories):

Attention:

1. Low value costs on instruments/machinery and equipment should be recorded here and not on capital expenditure.
2. Payments to third parties for outsourced R&D activities should NOT be included. These costs will be recorded in section E.

③ Capital expenditure refers to purchase / acquisition costs and not depreciation amounts. Only the part of capital expenditure related to R&D activities should be included.

④ Land acquired for R&D use (e.g., testing grounds, sites for laboratories and pilot plants) and buildings constructed or purchased for R&D use, including major improvements, modifications and repairs. Please include the amount paid in full for the reference year 2022.

⑤ This type of expenditure includes machinery, equipment, instruments etc. acquired for use in the performance of R&D. Attention: low value purchases of equipment or tools should be recorded under the section: 'Other current expenditure'.

⑥ Purchased patents, long-term licenses or other intangible assets used in R&D, and which are in use for more than one year. Other intangibles that can be reported in a unit's internal financial accounts, such as marketing assets or goodwill, are excluded.





**C.1a.** Current R&D expenditure for **own account software development** by the enterprise

Please record the total current R&D expenditure (personnel expenditure and other current expenditure) that took place for own account software development by the enterprise to be used for R&D purposes.

<p><b>Total current R&amp;D expenditure (personnel expenditure and other current expenditure) which refers to own-account software development.</b></p>		
<p><b>Is the above amount (for own-account software development) included in the current R&amp;D expenditure amounts stated in Table C.1?</b></p>	<p>Yes <input type="radio"/></p>	<p>No <input type="radio"/></p>

## C.2 Intramural R&D expenditure by source of funds – 2022

Please break down the total intramural expenditure for R&D activities (reported in Question C.1) by the sources of funding listed below. <sup>1</sup>

Please indicate the original source of funds:

Example 1: in case of subcontracting to an ESPA research project, the source of funds is the ESPA and not the awarding body

Example 2: in case of subcontracting to an EU research project, the funding source is the EU

	Euros
<b>Government sector</b>	
Ministries, Regions, Municipalities, Special Funds (e.g., project assignments, biddings)	
<b>ESPA 2014-2020</b>	
<b>ESPA 2021-2027</b>	
<b>Recovery and Resilience Facility (RRF)</b>	
<b>Own funds <sup>1</sup> / Self-financing</b>	
<b>Business enterprise sector</b>	
Greek enterprises within the same group	
Other private Greek enterprises	
Other public enterprises (e.g., Public Utility Enterprises)	
<b>Rest of the world</b>	
European Commission (e.g. Horizon Europe, Horizon 2020, other EU programmes) <sup>2</sup>	
Foreign enterprises within the same group	
Other foreign enterprises	
International Organizations (OECD, United Nations, etc.)	
Other foreign organisations (institutions, organizations, etc.)	
<b>Higher Education Sector <sup>3</sup></b>	
<b>Private non-profit institutions</b>	
<b>TOTAL</b>	

<sup>1</sup> the amount spent on R&D that originate within the control of and are used for R&D at the discretion of your enterprise. It can include, among other things, income from the exploitation of the enterprise's property, donations, inheritances, bequests, rents, as well as income from the provision of services other than research (product certifications, book sales, conducting seminars, etc.)

<sup>2</sup> It includes only the share of R&D cost funded by the European Commission. Own contribution should be included in the appropriate field according to the funding source.

<sup>3</sup> Universities, University Hospitals, Research University Institutes

### C.2a. Intramural R&D expenditure by type of funds – 2022

Please provide the value of R&D expenditure that were funded by other external institutions in exchange of R&D services /results e.g. they concerned explicitly the provision of R&D services/outputs to the funding institutions.

Note 1: exclude R&D funding such as grants (national or EC R&D Grants), subsidies, scholarships, donations and in general funding where there is no return of a service or R&D results.

Note 2: in the table below, by definition, the expenditure from the source of funding titled “Own funds / Self-financing” stated in table C.2 are not included.

	R&D funding in the context of a contract in exchange of R&D services/results to the funding institutions
<b>Government sector</b>	
Ministries, Regions, Municipalities, Special Funds (e.g., project assignments, biddings)	
<b>ESPA 2014-2020</b>	
<b>ESPA 2021-2027</b>	
<b>Recovery and Resilience Facility (RRF)</b>	
<b>Business enterprise sector</b>	
Greek enterprises within the same group	
Other private Greek enterprises	
Other public enterprises (e.g., Public Utility Enterprises) ②	
<b>Rest of the world</b>	
European Commission (e.g. Horizon Europe, Horizon 2020, other EU programmes) ③	
Foreign enterprises within the same group	
Other foreign enterprises	
International Organizations (OECD, United Nations, etc.)	
Other foreign organisations (institutions, organizations, etc.)	
<b>Higher Education Sector</b>	
<b>Private non-profit institutions</b>	
<b>TOTAL of R&amp;D Funding 2022 by other institutions</b>	

## Section D | Analysis of R&D activities in fields of special interest

### D.1 Intramural R&D expenditure by type of R&D – 2022

Please break down in percentages your total intramural R&D expenditure by the type of R&D activities implemented in your enterprise in 2022.

	%	
<b>Basic research</b> ①		% ① <i>Experimental or theoretical work undertaken primarily to acquire new knowledge of the underlying foundations of phenomena and observable facts, without any particular application or use in view</i>
<b>Applied research</b> ②		% ② <i>Original investigation undertaken in order to acquire new knowledge. It is, however, directed primarily towards a specific practical aim or objective.</i>
<b>Experimental development</b> ③		% ③ <i>Systematic work drawing on knowledge gained from research and practical experience that is directed to producing new materials, products and devices; to installing new processes, systems and services; or to improving substantially those already produced or installed.</i>
<b>TOTAL</b>	<b>100</b>	%

### D.2 R&D Activities by major field of research and development– 2022

Please select one or more of the following fields of research and development that correspond to the R&D activities implemented in your enterprise in 2022:

Check all the options that apply

<b>Natural Sciences</b> ①	<input type="checkbox"/>	① <i>Natural Sciences: Mathematics, Computer &amp; Information Science, Physics, Chemistry, Earth &amp; Environmental Sciences, Biological Sciences, Other Natural Sciences.</i>
<b>Engineering &amp; Technology</b> ②	<input type="checkbox"/>	② <i>Engineering &amp; Technology: Civil Engineering, Electrical Engineering, Electronic &amp; Computer Engineering, Mechanical Engineering, Chemical Engineering, Materials Engineering, Biomedical Engineering, Environmental Engineering, Industrial Biotechnology, Nanotechnology, Other Engineering &amp;</i>
<b>Medical &amp; Health Sciences</b> ③	<input type="checkbox"/>	③ <i>Medical &amp; Health Sciences: Basic Medicine, Clinical Medicine, Health Sciences, Medical Biotechnology, Other Medical Sciences.</i>
<b>Agricultural and Veterinary Sciences</b> ④	<input type="checkbox"/>	④ <i>Agricultural and veterinary Sciences: Agriculture, Forestry, and Fisheries, Animal Production Science, Veterinary Medicine, Agricultural Biotechnology, Other Agricultural Sciences and Veterinary Medicine.</i>
<b>Social Sciences</b> ⑤	<input type="checkbox"/>	⑤ <i>Social Sciences: Psychology, Economics and Business Administration, Education, Sociology, Legal Science – Law, Political Science, Social &amp; Economic Geography, Media and Communications, Other Social Sciences.</i>
<b>Humanities and the arts</b> ⑥	<input type="checkbox"/>	⑥ <i>Humanities and the arts: History &amp; Archaeology, Languages &amp; Literature, Philosophy, Ethics, Religion, Arts (art, art history, applied arts, music), Other Humanities</i>

### D.2.1. R&D Expenditure & Personnel by major field of research and development– 2022

In case you selected more than one scientific field, please breakdown the R&D expenditure and R&D personnel in the respective tables.

#### Natural Sciences

	<b>(Euros)</b>			
Intramural Expenditure				
R&D Personnel	Total		Female	
	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A+B. Total R&D personnel				
A. Researchers				
B. Other R&D personnel				

#### Engineering & Technology

	<b>(Euros)</b>			
Intramural Expenditure				
R&D Personnel	Total		Female	
	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A+B. Total R&D personnel				
A. Researchers				
B. Other R&D personnel				

#### Medical & Health Sciences

	<b>(Euros)</b>			
Intramural Expenditure				
R&D Personnel	Total		Female	
	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A+B. Total R&D personnel				
A. Researchers				
B. Other R&D personnel				

#### Agricultural and Veterinary Science

	<b>(Euros)</b>			
Intramural Expenditure				
R&D Personnel	Total		Female	
	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A+B. Total R&D personnel				
A. Researchers				
B. Other R&D personnel				

### Social Sciences

Intramural Expenditure	(Euros)			
	Total		Female	
R&D Personnel	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A+B. Total R&D personnel				
A. Researchers				
B. Other R&D personnel				

### Humanities and the arts

Intramural Expenditure	(Euros)			
	Total		Female	
R&D Personnel	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A+B. Total R&D personnel				
A. Researchers				
B. Other R&D personnel				

### D.3 R&D Activities by Region (NUTS2)-2022

Please select in which of the following Regions were carried out your intramural R&D activities in 2022:

Check all the options that apply

Anatoliki Macedonia, Thraki	<input type="checkbox"/>
Kentriki Makedonia	<input type="checkbox"/>
Dytiki Makedonia	<input type="checkbox"/>
Ipeiros	<input type="checkbox"/>
Thessalia	<input type="checkbox"/>
Ionia Nisia	<input type="checkbox"/>
Dytiki Ellada	<input type="checkbox"/>
Stereia Ellada	<input type="checkbox"/>
Peloponnisos	<input type="checkbox"/>
Attiki	<input type="checkbox"/>
Voreio Aigaio	<input type="checkbox"/>
Notio Aigaio	<input type="checkbox"/>
Kriti	<input type="checkbox"/>

#### D.3.1 R&D Expenditure & Personnel by Region (NUTS2)-2022

In case you selected (in table D.3) more than one region where your R&D activities were carried out in 2022, please provide information for the intramural R&D expenditure and R&D personnel in each selected region in the tables below:

##### Anatoliki Macedonia, Thraki

Intramural Expenditure	(Euros)			
	Total		Female	
R&D Personnel	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A. Researchers				
B. Other R&D personnel				

Please allocate your total intramural R&D expenditure that refer to this specific region according to which RIS3 thematic priorities are most likely to make use of the outcomes of your R&D activities in 2022. Fill in the expenditure amounts in the respective RIS3 thematic fields. The sum should be equal to the region's total R&D expenditure.

	Euros
Materials & Construction	
Tourism, Culture & Creative Industries	
Agrofood & Food Industry	
Environment & Sustainable Development	
Health & Biosciences	

Transport & Logistics	
Energy	
ICT	
Other sector	
<b>TOTAL</b>	

### Kentriki Makedonia

Intramural Expenditure	(Euros)			
	Total		Female	
R&D Personnel	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A. Researchers				
B. Other R&D personnel				

Please allocate your total intramural R&D expenditure that refer to this specific region according to which RIS3 thematic priorities are most likely to make use of the outcomes of your R&D activities in 2022. Fill in the expenditure amounts in the respective RIS3 thematic fields. The sum should be equal to the region's total R&D expenditure.

	Euros
Materials & Construction	
Tourism, Culture & Creative Industries	
Agrofood & Food Industry	
Environment & Sustainable Development	
Health & Biosciences	
Transport & Logistics	
Energy	
ICT	
Other sector	
<b>TOTAL</b>	

### Dytiki Makedonia

Intramural Expenditure	(Euros)			
	Total		Female	
R&D Personnel	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A. Researchers				
B. Other R&D personnel				



Please allocate your total intramural R&D expenditure that refer to this specific region according to which RIS3 thematic priorities are most likely to make use of the outcomes of your R&D activities in 2022. Fill in the expenditure amounts in the respective RIS3 thematic fields. The sum should be equal to the region’s total R&D expenditure.

	<b>Euros</b>
<b>Materials &amp; Construction</b>	
<b>Tourism, Culture &amp; Creative Industries</b>	
<b>Agrofood &amp; Food Industry</b>	
<b>Environment &amp; Sustainable Development</b>	
<b>Health &amp; Biosciences</b>	
<b>Transport &amp; Logistics</b>	
<b>Energy</b>	
<b>ICT</b>	
<b>Other sector</b>	
<b>TOTAL</b>	

**Ipeiros**

<b>Intramural Expenditure</b>	<b>(Euros)</b>			
	<b>Total</b>		<b>Female</b>	
<b>R&amp;D Personnel</b>	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
<b>A. Researchers</b>				
<b>B. Other R&amp;D personnel</b>				

Please allocate your total intramural R&D expenditure that refer to this specific region according to which RIS3 thematic priorities are most likely to make use of the outcomes of your R&D activities in 2022. Fill in the expenditure amounts in the respective RIS3 thematic fields. The sum should be equal to the region’s total R&D expenditure.

	<b>Euros</b>
<b>Materials &amp; Construction</b>	
<b>Tourism, Culture &amp; Creative Industries</b>	
<b>Agrofood &amp; Food Industry</b>	
<b>Environment &amp; Sustainable Development</b>	
<b>Health &amp; Biosciences</b>	
<b>Transport &amp; Logistics</b>	
<b>Energy</b>	
<b>ICT</b>	
<b>Other sector</b>	



TOTAL	
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### Thessalia

Intramural Expenditure	(Euros)			
	Total		Female	
R&D Personnel	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A. Researchers				
B. Other R&D personnel				

Please allocate your total intramural R&D expenditure that refer to this specific region according to which RIS3 thematic priorities are most likely to make use of the outcomes of your R&D activities in 2022. Fill in the expenditure amounts in the respective RIS3 thematic fields. The sum should be equal to the region’s total R&D expenditure.

	Euros
Materials & Construction	
Tourism, Culture & Creative Industries	
Agrofood & Food Industry	
Environment & Sustainable Development	
Health & Biosciences	
Transport & Logistics	
Energy	
ICT	
Other sector	
TOTAL	

### Ionia Nisia

Intramural Expenditure	(Euros)			
	Total		Female	
R&D Personnel	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A. Researchers				
B. Other R&D personnel				

Please allocate your total intramural R&D expenditure that refer to this specific region according to which RIS3 thematic priorities are most likely to make use of the outcomes of your R&D activities in 2022. Fill in the expenditure amounts in the respective RIS3 thematic fields. The sum should be equal to the region’s total R&D expenditure.

	Euros
Materials & Construction	

Tourism, Culture & Creative Industries	
Agrofood & Food Industry	
Environment & Sustainable Development	
Health & Biosciences	
Transport & Logistics	
Energy	
ICT	
Other sector	
<b>TOTAL</b>	

### Dytiki Ellada

Intramural Expenditure	(Euros)			
	Total		Female	
R&D Personnel	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A. Researchers				
B. Other R&D personnel				

Please allocate your total intramural R&D expenditure that refer to this specific region according to which RIS3 thematic priorities are most likely to make use of the outcomes of your R&D activities in 2022. Fill in the expenditure amounts in the respective RIS3 thematic fields. The sum should be equal to the region’s total R&D expenditure.

	Euros
Materials & Construction	
Tourism, Culture & Creative Industries	
Agrofood & Food Industry	
Environment & Sustainable Development	
Health & Biosciences	
Transport & Logistics	
Energy	
ICT	
Other sector	
<b>TOTAL</b>	

### Stereia Ellada

Intramural Expenditure	(Euros)
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R&D Personnel	Total		Female	
	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
	A. Researchers			
B. Other R&D personnel				

Please allocate your total intramural R&D expenditure that refer to this specific region according to which RIS3 thematic priorities are most likely to make use of the outcomes of your R&D activities in 2022. Fill in the expenditure amounts in the respective RIS3 thematic fields. The sum should be equal to the region’s total R&D expenditure.

	Euros
Materials & Construction	
Tourism, Culture & Creative Industries	
Agrofood & Food Industry	
Environment & Sustainable Development	
Health & Biosciences	
Transport & Logistics	
Energy	
ICT	
Other sector	
<b>TOTAL</b>	

**Peloponnisos**

Intramural Expenditure	(Euros)			
	Total		Female	
	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A. Researchers				
B. Other R&D personnel				

Please allocate your total intramural R&D expenditure that refer to this specific region according to which RIS3 thematic priorities are most likely to make use of the outcomes of your R&D activities in 2022. Fill in the expenditure amounts in the respective RIS3 thematic fields. The sum should be equal to the region’s total R&D expenditure.

	Euros
Materials & Construction	
Tourism, Culture & Creative Industries	
Agrofood & Food Industry	
Environment & Sustainable Development	

Health & Biosciences	
Transport & Logistics	
Energy	
ICT	
Other sector	
<b>TOTAL</b>	

### Attiki

	<b>(Euros)</b>			
Intramural Expenditure				
R&D Personnel	<b>Total</b>		<b>Female</b>	
	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A. Researchers				
B. Other R&D personnel				

Please allocate your total intramural R&D expenditure that refer to this specific region according to which RIS3 thematic priorities are most likely to make use of the outcomes of your R&D activities in 2022. Fill in the expenditure amounts in the respective RIS3 thematic fields. The sum should be equal to the region's total R&D expenditure.

	<b>Euros</b>
Materials & Construction	
Tourism, Culture & Creative Industries	
Agrofood & Food Industry	
Environment & Sustainable Development	
Health & Biosciences	
Transport & Logistics	
Energy	
ICT	
Other sector	
<b>TOTAL</b>	

### Voreio Aigaiο

	<b>(Euros)</b>			
Intramural Expenditure				
R&D Personnel	<b>Total</b>		<b>Female</b>	
	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)



<b>A. Researchers</b>				
<b>B. Other R&amp;D personnel</b>				

Please allocate your total intramural R&D expenditure that refer to this specific region according to which RIS3 thematic priorities are most likely to make use of the outcomes of your R&D activities in 2022. Fill in the expenditure amounts in the respective RIS3 thematic fields. The sum should be equal to the region’s total R&D expenditure.

	<b>Euros</b>
<b>Materials &amp; Construction</b>	
<b>Tourism, Culture &amp; Creative Industries</b>	
<b>Agrofood &amp; Food Industry</b>	
<b>Environment &amp; Sustainable Development</b>	
<b>Health &amp; Biosciences</b>	
<b>Transport &amp; Logistics</b>	
<b>Energy</b>	
<b>ICT</b>	
<b>Other sector</b>	
<b>TOTAL</b>	

**Notio Aigaio**

<b>Intramural Expenditure</b>	<b>(Euros)</b>			
	<b>Total</b>		<b>Female</b>	
<b>R&amp;D Personnel</b>	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
<b>A. Researchers</b>				
<b>B. Other R&amp;D personnel</b>				

Please allocate your total intramural R&D expenditure that refer to this specific region according to which RIS3 thematic priorities are most likely to make use of the outcomes of your R&D activities in 2022. Fill in the expenditure amounts in the respective RIS3 thematic fields. The sum should be equal to the region’s total R&D expenditure.

	<b>Euros</b>
<b>Materials &amp; Construction</b>	
<b>Tourism, Culture &amp; Creative Industries</b>	
<b>Agrofood &amp; Food Industry</b>	
<b>Environment &amp; Sustainable Development</b>	
<b>Health &amp; Biosciences</b>	
<b>Transport &amp; Logistics</b>	
<b>Energy</b>	



ICT	
Other sector	
<b>TOTAL</b>	

### Kriti

Intramural Expenditure	(Euros)			
	Total		Female	
R&D Personnel	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A. Researchers				
B. Other R&D personnel				

Please allocate your total intramural R&D expenditure that refer to this specific region according to which RIS3 thematic priorities are most likely to make use of the outcomes of your R&D activities in 2022. Fill in the expenditure amounts in the respective RIS3 thematic fields. The sum should be equal to the region's total R&D expenditure.

	Euros
Materials & Construction	
Tourism, Culture & Creative Industries	
Agrofood & Food Industry	
Environment & Sustainable Development	
Health & Biosciences	
Transport & Logistics	
Energy	
ICT	
Other sector	
<b>TOTAL</b>	

### TOTAL

Intramural Expenditure	(Euros)			
	Total		Female	
R&D Personnel	Head counts	Full Time Equivalents (FTEs)	Head counts	Full Time Equivalents (FTEs)
A. Researchers				
B. Other R&D personnel				



**TOTAL**

	<b>Euros</b>
<b>Materials &amp; Construction</b>	
<b>Tourism, Culture &amp; Creative Industries</b>	
<b>Agrofood &amp; Food Industry</b>	
<b>Environment &amp; Sustainable Development</b>	
<b>Health &amp; Biosciences</b>	
<b>Transport &amp; Logistics</b>	
<b>Energy</b>	
<b>ICT</b>	
<b>Other sector</b>	
<b>TOTAL</b>	



## Section E | Extramural expenditure (to third parties) for R&D activities

**E.1** Please report the expenditure of your enterprise for R&D activities that were outsourced to third parties (through assignments, tenders, subcontracts, etc.) according to the type of recipient (e.g., Universities, Research and Technology Centers, enterprises):

	Euros	Of which for incorporation in the final R&D product (as intermediate consumption)* Euros
<b>Domestic institutions</b>		
Enterprises within the same group		
Other enterprises		
Non-Profit Institutions		
Government research organisations		
Institutions of Higher Education		
<b>Foreign institutions</b>		
Enterprises within the same group		
Other enterprises		
Non-Profit Institutions		
Government research organisations		
Institutions of Higher Education		
International organisations		
<b>TOTAL</b>		

\* extramural R&D expenditure, where the R&D product is incorporated in the final R&D product (as intermediate consumption – i.e., is used and “consumed” as an integral element in the production process of the final R&D product) and it is not intended for continuous use in the performance of enterprise activities (which refers to / constitutes acquisition of an asset)

\*\* Illustrative example:

For example, an aircraft manufacturing enterprise outsources the design of a wing to a third enterprise (subcontractor), to use it in the production of its new airplane. The extramural R&D expenditure for the design of the new wing (the subcontractor’s compensation) constitutes an “R&D product intermediate consumption” for the enterprise, since its value will be calculated in the final value of the new airplane.

## Section Z | Methodological information and Questionnaire evaluation

**Z.1** Please provide some details as to how you calculated Full Time Equivalents (FTEs) of R&D personnel.

Check all the options that apply

<input type="checkbox"/>	Time-sheets
<input type="checkbox"/>	Estimates from the individual administrations of the Departments and/or Central Administration of the enterprise
<input type="checkbox"/>	Application of coefficients depending on the personnel category (researchers, faculty members, technical personnel, administrative personnel, etc.). (Please describe)
<input type="checkbox"/>	Other (Please describe)

**Z.2** Please provide your assessment for this questionnaire regarding its content as well as the support that has been provided to you throughout its completion.

	VERY DISSATISFIED	SOMEWHAT DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SOMEWHAT SATISFIED	VERY SATISFIED
Questionnaire structure					
Comprehension of concepts and terms					
Ease of completing the electronic questionnaire					
EKT support during questionnaire completion					

**Z.3** Please provide your estimation on the time (in hours) as well as the number of persons involved in the compilation of information needed to complete this questionnaire

<b>TIME</b> needed to complete the questionnaire (in hours)	
<b>NUMBER OF PERSONS:</b> involved in the compilation of information needed to complete this questionnaire	

**Z.4** Please provide us with any COMMENTS/SUGGESTIONS for future improvements of the questionnaire.