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

## Private Non-profit Institutions

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[1] and covers all institutions 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), produces and transmits to Eurostat the official national R&D statistics, as the competent authority of the Hellenic Statistical System (Government Gazette 4671b/2020)[2], with the cooperation of the Hellenic Statistical Authority (ELSTAT)[3].

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 .

[1] https://metrics.ekt.gr/en/research-development/about
[2] https://metrics.ekt.gr/sites/metrics-ekt/files/pages-pdf/FEK_4671_B_19122020.pdf
[3] https://metrics.ekt.gr/sites/metrics-ekt/files/pages-pdf/mnimonio_synergasias_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[4] 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.

[4] https://www.oecd-ilibrary.org/science-and-technology/frascati-manual-2015_9789264239012-en

# Section A | General information

## A.1. Institution 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 | |

* Total number of persons (headcount) who work in the institution (inclusive of working proprietors, partners working regularly in the unit and unpaid family workers), as well as persons who work outside the institution's premises and are paid by it (e.g. sales representatives, delivery personnel, repair and maintenance teams). It excludes manpower supplied to the institution by other institution, persons carrying out repair and maintenance work in the institution on behalf of other institutions, 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 |
|---|---|
| _ _ _ _ | |

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

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

| Nace Code (2 digit) | Description |
|---|---|
| _ _ | |

# Section B | Personnel engaged in R&D activities

The questions in this section provide information on the human resources contributing to your institution'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 institution 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

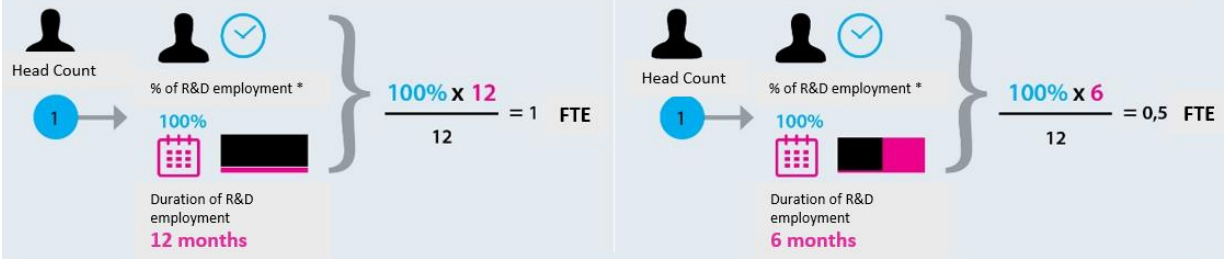
Estimate the Full Time Equivalents (FTEs) for the R&D personnel.

**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.

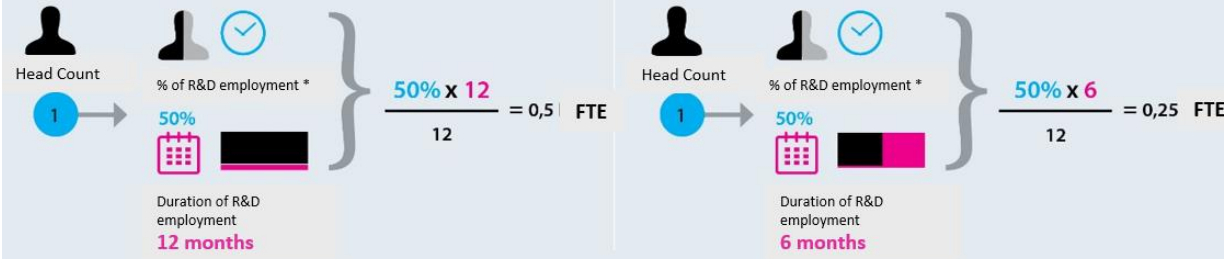
$$\text{Full Time Equivalent (FTE)} = \frac{\text{Working hours in R\&D during the year}}{\text{Working hours during the year for full time employment}}$$

## 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 |
|---|---|---|
| **A. Internal permanent personnel** engaged in R&D activities of your institution<br>*Permanent contracts. This category also includes managerial personnel (providing that they are engaged in the R&D activities of your institution) who are remunerated, mainly, by dividends or lump-sum, as well as working proprietors and unpaid family workers (applicable to enterprises only.)* | ○ If yes, please fill out **B1.1** | ○ |
| **B. Internal temporary personnel** engaged in R&D activities of your institution<br><br>*Natural persons who work in R&D under the instructions of your institution and have a regular interaction with it (regular physical presence or teleworking, regular work meetings etc.):*<br>• *fixed-term employment contracts (full-time or part-time),*<br>• *civil contracts covered by par. 9 of art 39 of Greek law N.4387/2016, etc.* [1] | ○ If yes, please fill out **B1.2** | ○ |
| **C. External contributors** engaged in R&D activities of your institution - *excluded: the (active) personnel of Greek HEIs who should be recorded in B1.4 category*<br><br>*Natural persons who work in R&D under the instructions of your institution without a regular interaction with it: contracts for the provision of services or the assignment of projects to natural persons.* | ○ If yes, please fill out **B1.3** | ○ |
| **D. Personnel of Greek HEIs** engaged in R&D activities of your institution<br><br>*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&D activities of your* institution. | ○ If yes, please fill out **B1.4** | ○ |
| **E. Other external personnel receiving remuneration by other institution and are** engaged in R&D activities of your institution<br><br>*Natural persons who work in R&D under the instructions of your institution with or without a regular interaction with it and are paid by another institution.* | ○ If yes, please fill out **B1.5** | ○ |

[1] *Employees with civil contract who have a stable cooperative relationship with the institution*

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

*Please record the number of people as well as the Full Time Equivalents (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 institution's R&D activities.*

| | Total | | Female | |
|---|---|---|---|---|
| | Head counts | Full Time Equivalents (FTEs) | Head counts | Full Time Equivalents (FTEs) |
| **A+B Total R&D Personnel** | | | | |
| **A. Researchers** | | | | |
| *Please distribute researchers by **level of education** (based on the highest degree)* | | | | |
| PhD holders | | | | |
| Master's degree or Higher education degree ❶ | | | | |
| Other qualification ❷ | | | | |
| *Total (same as A total)* | | | | |
| *Please distribute researchers by **age group*** | | | | |
| 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 | | | | |
| *Total (same as A total)* | | | | |
| *Please distribute researchers by **nationality*** | | | | |
| Greek | | | | |
| Other EU Member States | | | | |
| Other European countries | | | | |
| North America | | | | |
| Central and South America | | | | |
| Asia | | | | |
| Africa | | | | |
| Other nationality | | | | |
| *Total (same as A total)* | | | | |
| **B. Other R&D personnel** | | | | |
| *Please distribute other R&D personnel by **level of education** (based on the highest degree)* | | | | |
| PhD holders | | | | |
| Master's degree or Higher education degree ❶ | | | | |
| Other qualification ❷ | | | | |
| *Total (same as B total)* | | | | |

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 institution - 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 institution, 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) |
| **A+B Total R&D Personnel** | | | | | | |
| **A. Researchers** | | | | | | |
| *Please distribute researchers by **level of education** (based on the highest degree)* | | | | | | |
| PhD holders | | | | | | |
| Master's degree or Higher education degree ❶ | | | | | | |
| Other qualification ❷ | | | | | | |
| *Total (same as A total)* | | | | | | |
| *Please distribute researchers by **age group*** | | | | | | |
| 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 | | | | | | |
| *Total (same as A total)* | | | | | | |
| *Please distribute researchers by **nationality*** | | | | | | |
| Greek | | | | | | |
| Other EU Member States | | | | | | |
| Other European countries | | | | | | |
| North America | | | | | | |
| Central and South America | | | | | | |
| Asia | | | | | | |
| Africa | | | | | | |
| Other nationality | | | | | | |
| *Total (same as A total)* | | | | | | |
| **B. Other R&D personnel** | | | | | | |
| *Please distribute other R&D personnel by **level of education** (based on the highest degree)* | | | | | | |
| PhD holders | | | | | | |
| Master's degree or Higher education degree ❶ | | | | | | |
| Other qualification ❷ | | | | | | |
| *Total (same as B total)* | | | | | | |

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.a Percentage of PhD candidates in Temporary Personnel employed in the institution and in R&D projects managed by your institution – 2022

Please record the PhD candidates included as Temporary Personnel (in table B.1.2), employed in your institution and in the R&D projects managed by your institution, as a percentage of the number of persons and FTEs. Moreover, please indicate if you have relied on records of PhD Candidates contracting with your institution, or if you have calculated the requested rates based on estimates.
Note: In the event that there are no PhD Candidates in the data of Temporary Personnel employed by the institution and in the R&D projects managed by the institution, that have been declared in table B.1.2, please fill in a zero percentage.

| | Percentage of PhD Candidates in Temporary Personnel employed by the institution and in the R&D projects managed by the institution |
|---|---|
| **Researchers (Head Count Percentage)** | |
| **Other R&D personnel (Head Count Percentage)** | |

| | Percentage in FTEs of PhD Candidates in Temporary Personnel employed by the institution and in the R&D projects managed by the institution |
|---|---|
| **Researchers (FTEs percentage)** | |
| **Other R&D personnel (FTEs percentage)** | |

| | |
|---|---|
| | Estimate of the percentage of PhD Candidates in Temporary Personnel employed by the institution and in the R&D projects managed by the institution |
| | Record of PhD Candidate contractual information and filling in table B.1.2.a based on data retrieved from the information system. |

## B.1.3 External contributors engaged in R&D activities of your institution - 2022

*Please record the number of people as well as the Full Time Equivalents (FTEs) for the C staff category of Table B1. Natural persons are included who work on R&D under the instructions of your institution, 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 Equivalents (FTEs) | *Of which working in ESPA projects* | Head counts | Full Time Equivalents (FTEs) |
| **A+B Total R&D Personnel** | | | | | | |
| **A. Researchers** | | | | | | |
| *Please distribute researchers by **level of education** (based on the highest degree)* | | | | | | |
| PhD holders | | | | | | |
| Master's degree or Higher education degree ❶ | | | | | | |
| Other qualification ❷ | | | | | | |
| *Total (same as A total)* | | | | | | |
| *Please distribute researchers by **age group*** | | | | | | |
| 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 | | | | | | |
| *Total (same as A total)* | | | | | | |
| *Please distribute researchers by **nationality*** | | | | | | |
| Greek | | | | | | |
| Other EU Member States | | | | | | |
| Other European countries | | | | | | |
| North America | | | | | | |
| Central and South America | | | | | | |
| Asia | | | | | | |
| Africa | | | | | | |
| Other nationality | | | | | | |
| *Total (same as A total)* | | | | | | |
| **B. Other R&D personnel** | | | | | | |
| *Please distribute other R&D personnel by **level of education** (based on the highest degree)* | | | | | | |
| PhD holders | | | | | | |
| Master's degree or Higher education degree ❶ | | | | | | |
| Other qualification ❷ | | | | | | |
| *Total (same as B total)* | | | | | | |

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 institution -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 institution are included.*

| | **Total** | | **Female** | |
|---|---|---|---|---|
| | Head counts | Full Time Equivalents (FTEs) | Head counts | Full Time Equivalents (FTEs) |
| **A+B Total R&D Personnel** | | | | |
| **A. Researchers** | | | | |
| *Please distribute researchers by **level of education** (based on the highest degree)* | | | | |
| PhD holders | | | | |
| Master's degree or Higher education degree ❶ | | | | |
| Other qualification ❷ | | | | |
| *Total (same as A total)* | | | | |
| *Please distribute researchers by **age group*** | | | | |
| 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 | | | | |
| *Total (same as A total)* | | | | |
| *Please distribute researchers by **nationality*** | | | | |
| Greek | | | | |
| Other EU Member States | | | | |
| Other European countries | | | | |
| North America | | | | |
| Central and South America | | | | |
| Asia | | | | |
| Africa | | | | |
| Other nationality | | | | |
| *Total (same as A total)* | | | | |
| **B. Other R&D personnel** | | | | |
| *Please distribute other R&D personnel by **level of education** (based on the highest degree)* | | | | |
| PhD holders | | | | |
| Master's degree or Higher education degree ❶ | | | | |
| Other qualification ❷ | | | | |
| *Total (same as B total)* | | | | |

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, engaged in R&D activities of your institution - 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 institution, with or without a regular interaction with it and are remunerated by other institutions.*

| | Total | | Female | |
|---|---|---|---|---|
| | Head counts | Full Time Equivalents (FTEs) | Head counts | Full Time Equivalents (FTEs) |
| **A+B Total R&D Personnel** | | | | |
| **A. Researchers** | | | | |
| *Please distribute researchers by **level of education** (based on the highest degree)* | | | | |
| PhD holders | | | | |
| Master's degree or Higher education degree ❶ | | | | |
| Other qualification ❷ | | | | |
| *Total (same as A total)* | | | | |
| *Please distribute researchers by **age group*** | | | | |
| 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 | | | | |
| *Total (same as A total)* | | | | |
| *Please distribute researchers by **nationality*** | | | | |
| Greek | | | | |
| Other EU Member States | | | | |
| Other European countries | | | | |
| North America | | | | |
| Central and South America | | | | |
| Asia | | | | |
| Africa | | | | |
| Other nationality | | | | |
| *Total (same as A total)* | | | | |
| **B. Other R&D personnel** | | | | |
| *Please distribute other R&D personnel by **level of education** (based on the highest degree)* | | | | |
| PhD holders | | | | |
| Master's degree or Higher education degree ❶ | | | | |
| Other qualification ❷ | | | | |
| *Total (same as B total)* | | | | |

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 institution 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**

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

- 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).

### 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 institution, 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 |
|---|---|
| **Current R&D expenditure** | |
| **Permanent personnel cost** for R&D activities [1] | |
| **Temporary personnel cost** for R&D activities [1] | |
| **External contributors cost** for R&D activities [1] | |
| **Personnel of Greek HEIs cost** for R&D activities [1] | |
| **Other external personnel cost, remunerated by other institution,** engaged in R&D activities [1] | |
| **Other current expenditure** for R&D activities [2] | |
| **R&D Capital expenditure** [3] | |
| **Land and buildings** for R&D activities [4] | |
| **Machinery and equipment** for R&D activities [5] | |
| **Capitalised computer software** for R&D activities | |
| **Other intellectual property products** for R&D activities [6] | |
| **TOTAL** | |

[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 institution

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

| | | |
|---|---|---|
| **Total current R&D expenditure (personnel expenditure and other current expenditure) which refers to own-account software development.** | | |
| **Is the above amount (for own-account software development) included in the current R&D expenditure amounts stated in Table C.1?** | **Yes ○** | **No ○** |

## 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. [1]

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

[1] the amount spent on R&D that originate within the control of and are used for R&D at the discretion of your institution. It can include, among other things, income from the exploitation of the institution'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.)

[2] 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.

[3] 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.

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

# 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 institution in 2022.

| | % | |
|---|---|---|
| **Basic research** 1 | | % |
| **Applied research** 2 | | % |
| **Experimental development** 3 | | % |
| **TOTAL** | **100** | % |

1 *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*

2 *Original investigation undertaken in order to acquire new knowledge. It is, however, directed primarily towards a specific practical aim or objective.*

3 *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.*

## 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 institution in 2022:

*Check <u>all</u> the options that apply*

| | |
|---|---|
| **Natural Sciences** 1 | ☐ |
| **Engineering & Technology** 2 | ☐ |
| **Medical & Health Sciences** 3 | ☐ |
| **Agricultural and Veterinary Sciences** 4 | ☐ |
| **Social Sciences** 5 | ☐ |
| **Humanities and the arts** 6 | ☐ |

1 *Natural Sciences: Mathematics, Computer & Information Science, Physics, Chemistry, Earth & Environmental Sciences, Biological Sciences, Other Natural Sciences.*

2 *Engineering & Technology: Civil Engineering, Electrical Engineering, Electronic & Computer Engineering, Mechanical Engineering, Chemical Engineering, Materials Engineering, Biomedical Engineering, Environmental Engineering, Industrial Biotechnology, Nanotechnology, Other Engineering &*

3 *Medical & Health Sciences: Basic Medicine, Clinical Medicine, Health Sciences, Medical Biotechnology, Other Medical Sciences.*

4 *Agricultural and veterinary Sciences: Agriculture, Forestry, and Fisheries, Animal Production Science, Veterinary Medicine, Agricultural Biotechnology, Other Agricultural Sciences and Veterinary Medicine.*

5 *Social Sciences: Psychology, Economics and Business Administration, Education, Sociology, Legal Science – Law, Political Science, Social & Economic Geography, Media and Communications, Other Social Sciences.*

6 *Humanities and the arts: History & Archaeology, Languages & Literature, Philosophy, Ethics, Religion, Arts (art, art history, applied arts, music), Other Humanities*

## 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

| **Intramural Expenditure** | **(Euros)** | | | |
|---|---|---|---|---|
| **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

| **Intramural Expenditure** | **(Euros)** | | | |
|---|---|---|---|---|
| **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

| **Intramural Expenditure** | **(Euros)** | | | |
|---|---|---|---|---|
| **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

| **Intramural Expenditure** | **(Euros)** | | | |
|---|---|---|---|---|
| **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) | | | |
|---|---|---|---|---|
| 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 | | | | |

## Humanities and the arts

| Intramural Expenditure | (Euros) | | | |
|---|---|---|---|---|
| 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 | | | | |

## 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** | ☐ |
| **Kentriki Makedonia** | ☐ |
| **Dytiki Makedonia** | ☐ |
| **Ipeiros** | ☐ |
| **Thessalia** | ☐ |
| **Ionia Nisia** | ☐ |
| **Dytiki Ellada** | ☐ |
| **Sterea Ellada** | ☐ |
| **Peloponnisos** | ☐ |
| **Attiki** | ☐ |
| **Voreio Aigaio** | ☐ |
| **Notio Aigaio** | ☐ |
| **Kriti** | ☐ |

### 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)** | | | |
|---|---|---|---|---|
| **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** | |
| **TOTAL** | |

## Kentriki Makedonia

| **Intramural Expenditure** | **(Euros)** | | | |
|---|---|---|---|---|
| **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** | |
| **TOTAL** | |

## Dytiki Makedonia

| **tramural Expenditure** | **(Euros)** | | | |
|---|---|---|---|---|
| **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** | |
| **TOTAL** | |

## Ipeiros

| **Intramural Expenditure** | **(Euros)** | | | |
|---|---|---|---|---|
| **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** | |

| | |
|---|---|
| **TOTAL** | |

## Thessalia

| **Intramural Expenditure** | **(Euros)** | | | |
|---|---|---|---|---|
| **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** | |
| **TOTAL** | |

## Ionia Nisia

| **Intramural Expenditure** | **(Euros)** | | | |
|---|---|---|---|---|
| **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** | |
| **TOTAL** | |

## Dytiki Ellada

| **Intramural Expenditure** | **(Euros)** | | | |
|---|---|---|---|---|
| **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** | |
| **TOTAL** | |

## Sterea Ellada

| **Intramural Expenditure** | **(Euros)** |
|---|---|

| | | | | |
|---|---|---|---|---|
| | | | | |
| **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** | |
| **TOTAL** | |

## Peloponnisos

| **Intramural Expenditure** | **(Euros)** | | | |
|---|---|---|---|---|
| | | | | |
| **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** | |
| **TOTAL** | |

## Attiki

| **Intramural Expenditure** | **(Euros)** | | | |
|---|---|---|---|---|
| **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** | |
| **TOTAL** | |

## Voreio Aigaio

| **Intramural Expenditure** | **(Euros)** | | | |
|---|---|---|---|---|
| **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 | |
| TOTAL | |

## Notio Aigaio

| Intramural Expenditure | (Euros) | | | |
|---|---|---|---|---|
| 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** | |
| **TOTAL** | |

## Kriti

| **Intramural Expenditure** | **(Euros)** | | | |
|---|---|---|---|---|
| **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** | |
| **TOTAL** | |

## TOTAL

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

## TOTAL

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

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

**E.1** Please report the expenditure of your institution 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** |
|---|---|---|
| **Domestic institutions** | | |
| Enterprises | | |
| Non-Profit Institutions | | |
| Government research organisations | | |
| Institutions of Higher Education | | |
| **Foreign institutions** | | |
| Enterprises | | |
| Non-Profit Institutions | | |
| Government research organisations | | |
| Institutions of Higher Education | | |
| International organisations | | |
| **TOTAL** | | |

* 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 institution 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*

| | |
|---|---|
| ☐ | Time-sheets |
| ☐ | Estimates from the individual administrations of the Departments and/or Central Administration of the institution |
| ☐ | Application of coefficients depending on the personnel category (researchers, faculty members, technical personnel, administrative personnel, etc.).<br>(Please describe) |
| ☐ | Other<br>(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 DISATISFIED | 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

| | |
|---|---|
| **TIME** needed to complete the questionnaire (in hours) | |
| **NUMBER OF PERSONS:**<br>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.

| |
|---|
| |