Business Expenditure on Research and Development - 2021

You are completing this for CSO (Central Statistics Office)

The Business Expenditure on Research and Development (BERD) Survey is a biennial survey that is conducted by the CSO. The survey collects information on research and development activities of enterprises across all business sectors of the economy. It is a targeted survey that is issued to all enterprises that are believed to be likely performers of research and development.

The BERD Survey is conducted under the Statistics (Business Expenditure on Research and Development) Order 2022 (S.I. No 349 of 2022) made under the Statistics Act, 1993 and is required for Commission Implementing Regulation (EU) No. 2152/2019 of 27 November 2019.

The information you provide will be treated as strictly confidential in accordance with Section 33 of the Statistics Act, 1993 and with EU law.

If you require further information, please contact the CSO by email at bsi@cso.ie
(please include your CSO Identifier in all emails).

The most recent published results are available here: Published Results

Section 1 - General Classification Data

All information provided should cover every branch/plant controlled by the enterprise (company) at all locations within the State.

Do not include data for subsidiaries or parent companies based abroad.

Mandatory to be answered

Q1.1 Did your enterprise perform any in-house R&D in 2021?

☐ Yes

☐ No

Mandatory to be answered

Q1.2   Was any R&D performed on your behalf by other parties in 2021?

(i.e. Sub- contracted R&D performed by other companies/institutes)

[ ] Yes

[ ] No

Mandatory to be answered

Q1.3   Does your enterprise control any branches/plants engaged in R&D activities?

[ ] Yes

[ ] No

Mandatory to be answered if displayed according to the display logic

Display only if (1.1 Ent_Inhouse_RD contain Yes) Or (1.2 Ent_RD_behalf_others Contains Yes) Or (1.3 Ent_control_RD_branches Contains Yes)

Q1.4   Is your enterprise part of an enterprise group?

Some further information regarding any such branches/plants that are engaged in R&D activities and are controlled by your enterprise is required under Section 8 - Local Units

[ ] Yes

[ ] No

Mandatory to be answered if Enterprise_Group2 Contains All 1 Yes

Q1.5   In which country is the head office of your group located?

This is the only question that refers to entities abroad. Please answer all further questions **only for your enterprises in Ireland**.

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Display only   if   1.1 Ent_Inhouse_RD contains Yes.
Mandatory   to   be   filled   if   displayed   according   to   the   Display   logic.

Q1.6   Does your enterprise have a dedicated R&D unit/ department?

☐ Yes

☐ No

Section 2 - Expenditure on In-house R&D Activity

This section aims to measure the financial resources allocated by your company to in-house R&D. Please use the following general rules to decide what should be included as R&D and what should be excluded from R&D. In general terms, if the primary objective of the work is to make technical improvement to products or processes, then the work comes within the definition of R&D.

If, on the other hand, the product, process or approach is substantially set and the primary objective is to develop markets, to do pre-production planning or to get a production or control system working smoothly, then the work is not R&D.

Include in R&D
• Development of prototypes for new or improved products or processes
• Construction and development of pilot plants- Industrial design and drawing directly linked to R&D projects
• Industrial engineering and tooling up directly associated with the development of new or improved products or processes
• Trial production (if it implied full-scale testing and subsequent further design and engineering)
• Software development with an element of novelty

Exclude from R&D
• Patent and licence work which is not related to any R&D product

- Routine testing, standardisation and pre-production preparation
- After-sales service and trouble-shooting, general purpose data collection, including market research
- Feasibility studies - Enforcement of standards and regulation
- Routine software modifications
- Non-R&D activity funded from the Innovation Voucher Scheme

Display only if 1.1 Ent_Inhouse_RD contains Yes.

This question is mandatory to be completed if displayed according to the display logic expression.

Q2.1 Which type of expenditure did your enterprise incur for in-house R&D in 2021?

Current expenditure includes
- Labour costs (for R&D purposes)
- Other current costs (for R&D purposes)

Capital expenditure includes
- Land and buildings (acquired for R&D purposes)
- Payments made for licenses to use intellectual products for more than a year (for R&D purposes)
- Instruments and equipment excluding software (for R&D purposes)
- Software purchased (acquired wholly for R&D purposes)
- Software developed by your company in-house and used in-house (developed for R&D purposes)

☐ Current Expenditure

☐ Capital Expenditure

☐ Both Current and Capital Expenditure

Value entered Equals Sum(2.2(a) Labcosts_RD, 2.2(b)Other_Curr_costs)

This question is mandatory to be completed if displayed according to the display logic specified

Display only if 2.1 Ent_Expenditure_type Contains Any 1 Current Expenditure or 3 Both Current and Capital Expenditure

Q2.2   Current expenditure on in-house R&D in 2021

Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).

Includes:

• Labour costs (for R&D purposes)
• Other current costs (for R&D purposes)

Total current expenditure in 2021

Breakdown of current expenditure on in-house R&D in 2021

Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).

Display only if 2.1 Ent_Expenditure_type Contains Any 1 Current Expenditure or 3 Both Current and Capital Expenditure

Q2.2(a)   Labour Costs

(e.g. wages, salaries and all costs of personnel directly associated with R&D)

Display only if 2.1 Ent_Expenditure_type Contains Any 1 Current Expenditure or 3 Both Current and Capital Expenditure

Q2.2(b)   Other current costs (associated with R&D)

(e.g. materials, supplies and equipment, literature and subscriptions, overheads associated with R&D but excluding software and purchases of licences to use intellectual products for more than a year)

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Equals Sum(2.3(a)CapExp_land_buildings, 2.3(b) CapExp_licenses_intelProds, 2.3(c) CapExp_Instrum,   2.3(d) CapExp_Software_Purchased, 2.3(e) CapExp_software_Developed)
Display only if 2.1 Ent_Expenditure_type Contains Any 2 Capital Expenditure or 3 Both Current and Capital Expenditure
This question is mandatory to be completed if displayed according to the display logic specified

Q2.3   Capital Expenditure directly linked to in-house R&D in {{SurveyYear-1}}
Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).

Includes:
• Land and buildings (acquired for R&D purposes)
• Payments made for licenses to use intellectual products for more than a year (for R&D purposes)
• Instruments and equipment excluding software (for R&D purposes)
• Software purchased (acquired wholly for R&D purposes)
• Software developed by your company in-house and used in-house (developed for R&D purposes)

Total Capital Expenditure in 2021

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Breakdown   of   Capital   Expenditure   directly   linked   to   in-house   R&D   in   2021
Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).

Display only if 2.1 Ent_Expenditure_type Contains Any 2 Capital Expenditure or 3 Both Current and Capital Expenditure

Q2.3(a)   Land and buildings (acquired for R&D purposes)

(e.g. sites for laboratories and pilot plants, buildings purchased, constructed and repaired directly for R&D)

Display only if 2.1 Ent_Expenditure_type Contains Any 2 Capital Expenditure or 3 Both Current and Capital Expenditure

Q2.3(b)   Payments made for licenses to use intellectual products for more than a year
(for R&D purposes)

Display only if 2.1 Ent_Expenditure_type Contains Any 2 Capital Expenditure or 3 Both Current and Capital Expenditure

Q2.3(c) Instruments and equipment excluding software (for R&D purposes)

(e.g. major instruments and other capital equipment acquired wholly for R&D purposes)

Display only if 2.1 Ent_Expenditure_type Contains Any 2 Capital Expenditure or 3 Both Current and Capital Expenditure

Q2.3(d)   Software purchased (acquired wholly for R&D purposes)

Display only if 2.1 Ent_Expenditure_type Contains Any 2 Capital Expenditure or 3 Both Current and Capital Expenditure

Q2.3(e)   Software developed by your company in-house and used in-house (developed for R&D purposes)

Q2.4 Of the total expenditure (Current {{Tot_CurrExp_Inhouse}} + Capital {{Tot_CapExp_inHouse}}) on in-house R&D in 2021, what percentage relates to:

Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%
Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(a) Mathematics, Computer and Information Science

(Natural Sciences)

Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%

Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(b) Physical or Chemical Sciences

(Natural Sciences)

Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%

Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(c) Earth and related Environmental Sciences

(Natural Sciences)

Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%

Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(d)   Biological   Sciences

(Natural Sciences)

Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%

Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(e) Civil or Environmental Engineering

(Engineering and Technology)

Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%

Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(f) Electrical, Electronic or Information Engineering

(Engineering and Technology)

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Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%

Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(g) Mechanical or Medical Engineering

(Engineering and Technology)

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Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%

Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(h) Chemical or Materials Engineering

(Engineering and Technology)

Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%

Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(i) Environmental or Industrial Biotechnology

(Engineering and Technology)

Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%

Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(j) Nano-technology

(Engineering and Technology)

Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%

Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(k) Basic or Clinical Medicine

(Medical and Health Sciences)

Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%

Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(l) Health Sciences

(Medical and Health Sciences)

Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%

Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(m) Health Biotechnology

(Medical and Health Sciences)

Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%

Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(n) Agriculture, Forestry and Fisheries, Animal and Dairy Science

(Agricultural Sciences)

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Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%

Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(o) Veterinary Science

(Agricultural Sciences)

Sum of (2.4(a) RD_Exp_MathSci, 2.4(b)RD_Exp_Phys_Chem, 2.4(c)RD_Exp_Earth_Env, 2.4(d)RD_Exp_BioSci, 2.4(e)RD_Exp_Civil_Env, 2.4(f)RD_Exp_ElecEng, 2.4(g)RD_Mech_Med,2.4(h) RD_Exp_Chem_Mat, 2.4(i)RD_Exp_Biotech, 2.4(j)RD_Exp_Nanotech, 2.4(k)RD_Exp_Medicine, 2.4(l) RD_Exp_HealthSci, 2.4(m)RD_Exp_Health_Biotech,2.4(n) RD_Exp_Agri_Forest_Fish,2.4(o) RD_Exp_VetSci, 2.4(p) RD_Exp_Agri_Biotech) = 100%
Display only if 2.2 Tot_CapExp_Inhouse Not Empty Or 2.3 Tot_CurrExp_Inhouse Not Empty

Q2.4(p) Agricultural Biotechnology

(Agricultural Sciences)

Ent_Est_currExpRD_inhouse is mandatory to be completed

Q2.5 Does your enterprise have ESTIMATED **current** expenditure on in-house R&D for 2022?

Estimated current expenditure includes:

• Labour costs (for R&D purposes)
• Other current costs (for R&D purposes)

Estimated capital expenditure includes:

• Land and buildings (acquired for R&D purposes)
• Payments made for licenses to use intellectual products for more than a year (for R&D purposes)
• Instruments and equipment excluding software (for R&D purposes)
• Software purchased (acquired wholly for R&D purposes)
• Software developed by your company in-house and used in-house (developed for R&D purposes)

☐ Estimated Current Expenditure

☐ Estimated Capital Expenditure

☐ Both Estimated Current and Capital Expenditure

☐ None of the above

Equals Sum(2.6(a)Est_lab_CostsRD, 2.6(b)Est_Other_current_Costs)
This question is mandatory to be completed if displayed according to the display logic expression specified
Display only if 2.5 Ent_Est_currExpRD_inhouse Contains Any 1 Estimated Current Expenditure or 3 C3 Both Estimated Current and Capital Expenditure

Q2.6 Estimated Current expenditure on in-house R&D for 2022
Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3)**.**
Includes:

- Labour costs (for R&D purposes)
- Other current costs (for R&D purposes)

Total estimated Current expenditure for 2022

Breakdown of estimated current expenditure on in-house R&D for 2022

 Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).

Display only if 2.6 Ent_Est_currExpRD_inhouse Contains Any 1 Estimated Current Expenditure or 3 C3 Both Estimated Current and Capital Expenditure

Q2.6(a) Labour costs

(wages, salaries and all costs of personnel directly associated with R&D)

Display only if 2.6 Ent_Est_currExpRD_inhouse Contains Any 1 Estimated Current Expenditure or 3 C3 Both Estimated Current and Capital Expenditure

Q2.6(b) Other current costs (associated with R&D)

(e.g. materials, supplies and equipment, literature and subscriptions, oveheads associated with R&D but excluding software and purchases of licences to use intellectual products for more than a year)

This question is mandatory to be completed if displayed according to the display logic expression specified.

Display only if 2.5 Ent_Est_currExpRD_inhouse Contains Any 2 Estimated Capital Expenditure or 3 C3 Both Estimated Current and Capital Expenditure

Q2.7 Estimated Capital Expenditure directly linked to in-house R&D for 2022

Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).
Total estimated Capital Expenditure for {{SurveyYear}}

Breakdown of estimated Capital Expenditure directly linked to in-house R&D for 2022

Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).

2.7 Tot_Est_capExp_Inhouse Equals Sum(2.7(a)Est_CapExp_Land_buildings, 2.7(b) Est_CapExp_Licenses_IntelProd, 2.7(c) Est_CapExp_instrum_equipment, 2.7(d) Est_CapExp_Software_Purchase, 2.7(e) Est_CapExp_Software_Devel_inhouse).

Display only i f 2.5 Ent_Est_currExpRD_inhouse Contains Any 2 Estimated Capital Expenditure or 3 C3 Both Estimated Current and Capital Expenditure

Q2.7(a) Land and buildings (acquired for R&D purposes)

(e.g. sites for laboratories and pilot plants, buildings purchased, constructed and repaired directly for R&D)

2.7 Tot_Est_capExp_Inhouse Equals Sum(2.7(a)Est_CapExp_Land_buildings, 2.7(b) Est_CapExp_Licenses_IntelProd, 2.7(c) Est_CapExp_instrum_equipment, 2.7(d) Est_CapExp_Software_Purchase, 2.7(e) Est_CapExp_Software_Devel_inhouse).

Display only i f 2.5 Ent_Est_currExpRD_inhouse Contains Any 2 Estimated Capital Expenditure or 3 C3 Both Estimated Current and Capital Expenditure

Q2.7(b) Payments made for licenses to use intellectual products for more than a year (for R&D purposes)

2.7 Tot_Est_capExp_Inhouse Equals Sum(2.7(a)Est_CapExp_Land_buildings, 2.7(b) Est_CapExp_Licenses_IntelProd, 2.7(c) Est_CapExp_instrum_equipment, 2.7(d) Est_CapExp_Software_Purchase, 2.7(e) Est_CapExp_Software_Devel_inhouse).

Display only i f 2.5 Ent_Est_currExpRD_inhouse Contains Any 2 Estimated Capital Expenditure or 3 C3 Both Estimated Current and Capital Expenditure

Q2.7(c) Instruments and equipment excluding software (for R&D purposes) (e.g. major instruments and other capital equipment acquired wholly for R&D purposes)

2.7 Tot_Est_capExp_Inhouse Equals Sum(2.7(a)Est_CapExp_Land_buildings, 2.7(b) Est_CapExp_Licenses_IntelProd, 2.7(c) Est_CapExp_instrum_equipment, 2.7(d) Est_CapExp_Software_Purchase, 2.7(e) Est_CapExp_Software_Devel_inhouse).

Display only i f 2.5 Ent_Est_currExpRD_inhouse Contains Any 2 Estimated Capital Expenditure or 3 C3 Both Estimated Current and Capital Expenditure

Q2.7(d) Software purchased (acquired wholly for R&D purposes)

2.7 Tot_Est_capExp_Inhouse Equals Sum(2.7(a)Est_CapExp_Land_buildings, 2.7(b) Est_CapExp_Licenses_IntelProd, 2.7(c) Est_CapExp_instrum_equipment, 2.7(d) Est_CapExp_Software_Purchase, 2.7(e) Est_CapExp_Software_Devel_inhouse).

Display only i f 2.5 Ent_Est_currExpRD_inhouse Contains Any 2 Estimated Capital Expenditure or 3 C3 Both Estimated Current and Capital Expenditure

Q2.7(e) Software developed by your company in-house and used in-house (developed for R&D purposes)

Q2.8 Of the total estimated expenditure (Current {{Tot_Est_CurrExp_Inhouse}} + Capital {{Tot_Est_CapExp_Inhouse}}) on in-house R&D in 2022, what percentage relates to:

Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%

Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)

Q2.8(a) Mathematics, Computer and Information Science

(Natural Science)

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Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%

Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)

Q2.8(b) Physical or Chemical Sciences

(Natural Science)

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Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%

Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)

Q2.8(c) Earth and related Environmental Sciences

(Natural Science)

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Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%

Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)

Q2.8(d) Biological Sciences

(Natural Science)

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Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%

Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)

Q2.8(e) Civil or Environmental Engineering

(Engineering and Technology)

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Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%

Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)

Q2.8(f) Electrical, Electronic or Information engineering

(Engineering and Technology)

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Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%

Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)

Q2.8(g) Mechanical or Medical Engineering

(Engineering and Technology)

Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%

Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)

Q2.8(h) Chemical or Materials Engineering

(Engineering and Technology)

Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%

Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)

Q2.8(i) Environmental or Industrial Biotechnology

(Engineering and Technology)

Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%

Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)

Q2.8(j) Nano-technology

(Engineering and Technology)

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Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%

Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)xp_Health_Biotech, Est_RD_Exp_Agri_Forest_Fish, Est_RD_Exp_VetSci, Est_RD_Exp_Agri_Biotech) = 100%

Q2.8(k) Basic or Clinical Medicine

(Medical and Health Sciences)

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Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%

Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)

Q2.8(l) Health Sciences

(Medical and Health Sciences)

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Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%

Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)

Q2.8(m) Health Biotechnology

(Medical and Health Sciences)

Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%

Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)

Q2.8(n) Agriculture, Forestry and Fisheries, Animal and Dairy Science

(Agricultural Sciences)

Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%

Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)

Q2.8(o) Veterinary Science

(Agricultural Sciences)

Sum of (2.8(a)Est_RD_Exp_MathSci, 2.8(b)Est_RD_Exp_Phys_Chem, 2.8(c)Est_RD_Exp_Earth_Env, 2.8(d)Est_RD_Exp_BioSci, 2.8(e)Est_RD_Exp_Civil_Env, 2.8(f)Est_RD_Exp_ElecEng, 2.8(g)Est_RD_Mech_Med, 2.8(h)Est_RD_Exp_Chem_Mat, 2.8(i)Est_RD_Exp_Biotech, 2.8(j)Est_RD_Exp_Nanotech, 2.8(k) Est_RD_Exp_Medicine, 2.8(l) Est_RD_Exp_HealthSci, 2.8(m)Est_RD_Exp_Health_Biotech, 2.8(n) Est_RD_Exp_Agri_Forest_Fish,2.8(o) Est_RD_Exp_VetSci,2.8(p) Est_RD_Exp_Agri_Biotech) = 100%
Display only if (2.6 Tot_Est_CurrExp_Inhouse Not Empty) Or (2.7 Tot_Est_capExp_Inhouse Not Empty)
Q2.8(p) Agricultural Biotechnology

(Agricultural Sciences)

Section 3 - Sources of Funds for In-house R&D in 2021

This question is mandatory to be completed if displayed according to the display   logic expression specified
Display only if (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3 Tot_CapExp_Inhouse Greater than 0)

Q3.1 Did your enterprise source funds (including own company funds) for in-house R&D in 2021 from:

☐ Within the Republic of Ireland

☐ Outside the Republic of Ireland

☐ Both within & outside the Republic of Ireland

This question is mandatory to be completed if displayed according to the display logic expression specified
3.2 Tot_RD_Fund_ROI = Sum of (3.2(a)RD_Fund_internal , 3.2(b)RD_Fund_OtherComp , 3.2(c)RD_Fund_GovGrant , 3.2(d) RD_Fund_OtherPublic , 3.2(e)RD_Fund_HEInst, 3.2(f)RD_Fund_Private_NonProfit , 3.2(g)RD_Fund_OtherSources)
Display only if 3.1 Fund_Source_InHouseRD Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3 Tot_CapExp_Inhouse Greater than 0)

Q3.2   R&D Funding from within the Republic of Ireland

Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).

Total funding from within the Republic of Ireland for in-house R&D undertaken in {{SurveyYear}}

Breakdown of funding from within the Republic of Ireland for in-house R&D undertaken in 2021:

Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).

Display only if 3.1 Fund_Source_InHouseRD Contains Any 1 Within the Republic of Ireland or 3 Both   within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3Tot_CapExp_Inhouse Greater than 0)

Q3.2(a) Own company/internal Funds

Display only if 3.1 Fund_Source_InHouseRD Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3Tot_CapExp_Inhouse Greater than 0)

Q3.2(b)   Other companies (R&D performed on their behalf)

Display only if 3.1 Fund_Source_InHouseRD Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3Tot_CapExp_Inhouse Greater than 0)

Q3.2(c)   Government grants for R&D

Display only if 3.1 Fund_Source_InHouseRD Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3Tot_CapExp_Inhouse Greater than 0)

Q3.2(d)   Other public funding

Display only if 3.1 Fund_Source_InHouseRD Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3Tot_CapExp_Inhouse Greater than 0)

Q3.2(e)   Higher Education Institutes

Display only if 3.1 Fund_Source_InHouseRD Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3Tot_CapExp_Inhouse Greater than 0)

Q3.2(f)   Private non-profit institutes

Display only if 3.1 Fund_Source_InHouseRD Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3Tot_CapExp_Inhouse Greater than 0)

Q3.2(g) Other sources (Please Specify)

Display only if 3.1 Fund_Source_InHouseRD Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3Tot_CapExp_Inhouse Greater than 0) and 3.2(g) RD_fund_Other_Sources Greater than 0

Q3.2(h) Other Sources of funding within the Republic of Ireland

Please specify details of other sources

This question is mandatory to be completed if displayed according to the display logic expression speci

3.3 Tot_RD_Fund_OutROI = Sum of (3.3(a)O_RD_Fund_internal , 3.3(b) O_RD_Fund_OtherComp , 3.3(c) O_RD_Fund_GovGrant , 3.3(d) O_RD_Fund_OtherPublic , 3.3(e) O_RD_Fund_HEInst , 3.3(f) O_RD_Fund_Private_NonProfit , 3.3(g) O_RD_Fund_EUComm, 3.3(h) O_RD_Fund_IntOrg, 3.3(i)O_RD_Fund_OtherSources)

Dislpay only if (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3 Tot_CapExp_Inhouse Greater than 0) and 3.1 Fund_Source_InHouseRD Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland

Q3.3 R&D funding from outside the Republic of Ireland

Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).

Total funding from outside the Republic of Ireland for in-house R&D undertaken in {{SurveyYear-1}}

Breakdown of funding from outside the Republic of Ireland for in-house R&D undertaken in 2021:

Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).

Display only if 3.1 Fund_Source_InHouseRD Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3 Tot_CapExp_Inhouse Greater than 0)

Q3.3(a) Own company/internal funds

Display only if 3.1 Fund_Source_InHouseRD Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3 Tot_CapExp_Inhouse Greater than 0)

Q3.3(b) Other companies (R&D performed on their behalf)

Display only if 3.1 Fund_Source_InHouseRD Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3 Tot_CapExp_Inhouse Greater than 0)

Q3.3(c) Government grants for R&D

Display only if 3.1 Fund_Source_InHouseRD Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3 Tot_CapExp_Inhouse Greater than 0)

Q3.3(d) Other public funding

Display only if 3.1 Fund_Source_InHouseRD Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3 Tot_CapExp_Inhouse Greater than 0)

Q3.3(e)   Higher education institutes

Display only if 3.1 Fund_Source_InHouseRD Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3 Tot_CapExp_Inhouse Greater than 0)

Q3.3(f) Private non-profit institutes

Display only if 3.1 Fund_Source_InHouseRD Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3 Tot_CapExp_Inhouse Greater than 0)

Q3.3(g)   European Commission

Display only if 3.1 Fund_Source_InHouseRD Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3 Tot_CapExp_Inhouse Greater than 0)

Q3.3(h) International Organisations

Display only if 3.1 Fund_Source_InHouseRD Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3 Tot_CapExp_Inhouse Greater than 0)

Q3.3(i) Other sources

Display only if 3.1 Fund_Source_InHouseRD Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and (2.2 Tot_CurrExp_Inhouse Greater than 0) Or (2.3 Tot_CapExp_Inhouse Greater than 0) and 3.3(i) O_RD_Fund_OtherSource_Name Greater than 0

Q3.3(j) Other Sources of funding outside the Republic of Ireland

Please specify details of other sources

Section 4 - Type of In-house R&D Activity in 2021

Q4.1 Please indicate the breakdown of total in-house R&D expenditure in terms of the following categories as defined below:

Sum of (RD_breakdown_basic, RD_breakdown_applied, RD_breakdown_Experimental) = 100
Mandatory to be completed if displayed according to Display   logic specified.
Either question may be populated.

Display only if 1.1 Ent_Inhouse_RD Contains Any 1 Yes

Q4.1(a)   Basic research

(Experimental or theoretical work undertaken primarily to acquire new knowledge, without any particular application or use in view)

Sum of (RD_breakdown_basic, RD_breakdown_applied, RD_breakdown_Experimental) = 100
Mandatory to be completed if displayed according to Display logic specified.
Either question may be populated.

Display only if 1.1 Ent_Inhouse_RD Contains Any 1 Yes

Q4.1(b)   Applied research

(Original investigation undertaken in order to acquire new knowledge, primarily directed towards a specific practical aim or objective)

OSum of (RD_breakdown_basic, RD_breakdown_applied, RD_breakdown_Experimental) = 100
Mandatory to be completed if displayed according to Display logic specified.
Either question may be populated.

Display only if 1.1 Ent_Inhouse_RD Contains Any 1 Yes

Q4.1(c)   Experimental development

(Systematic work, drawing on existing knowledge gained from research and practical experience that is directed to producing new materials, products and devices, to installing new process, systems and services or to improving substantially those already produced or installed)

Section 5 - Expenditure on R&D performed on your behalf

This question is mandatory to be completed if displayed according to the display   logic expression specified
Display only if 1.2 Ent_RD_behalf_others Contains Yes
specified

Q5.1 Of the R&D performed on your behalf by other parties in 2021, were these parties:

☐ Within the Republic of Ireland

☐ Outside the Republic of Ireland

☐ Both within & outside the Republic of Ireland

Q5.2 Please specify how much you paid to the following parties within the Republic of Ireland for R&D performed on your behalf outside the company in 2021

(This expenditure is in addition to the in-house expenditure already recorded , if any)

Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).

Equal to Sum of (5.2(a)RD_Exp_Behalf_Related, 5.2(b)RD_Exp_Behalf_NonRelated,

5.2(c) RD_Exp_Behalf_GovResearch, 5.2(d)RD_Exp_Behalf_HEInst, 5.2(e)RD_Exp_Behalf_PrivateRD, 5.2(f) RD_Exp_Behalf_OtherSource)

This question is mandatory to be completed if displayed according to the display logic expression specified

Display only if 5.1 Exp_RD_behalf_type Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Yes

Total paid (within the Republic of Ireland)

Breakdown of expenditure to parties outside your enterprise, within the Republic of Ireland, for R&D performed on your behalf in 2021

Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).

Display only if 5.1 Exp_RD_behalf_typ Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Any 1 Yes

Section mandatory to be completed if displayed according to the display logic specified

Q5.2(a) Related companies (parent, subsidiary, other affiliates)

Display only if 5.1 Exp_RD_behalf_typ Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Any 1 Yes

Section mandatory to be completed if displayed according to the display logic specified

Q5.2(b) Non-related companies

Display only if 5.1 Exp_RD_behalf_typ Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Any 1 Yes

Section mandatory to be completed if displayed according to the display logic specified

Q5.2(c)   Government research companies

Display only if 5.1 Exp_RD_behalf_typ Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Any 1 Yes

Section mandatory to be completed if displayed according to the display logic specified

Q5.2(d)   Higher education institutes/universities

Display only if 5.1 Exp_RD_behalf_typ Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Any 1 Yes

Section mandatory to be completed if displayed according to the display logic specified

Q5.2(e) Private R&D institutes/laboratories

Display only if 5.1 Exp_RD_behalf_typ Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Any 1 Yes

Section mandatory to be completed if displayed according to the display logic specified

Q5.2(f)   Other parties paid within the Republic of Ireland

Display only if 5.1 Exp_RD_behalf_typ Contains Any 1 Within the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Any 1 Yes and 5.2(f)RD_Exp_Behalf_OtherSources Greater than 0

Section mandatory to be completed if displayed according to the display logic specified

Q5.2(g) Other parties paid within the Republic of Ireland

Please specify other parties

[   ]

Q5.3 Please specify how much you paid to parties outside your enterprise, outside the Republic of Ireland, for R&D performed on your behalf outside the company in 2021

This expenditure is in addition to the in-house expenditure already recorded in Section 2

Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).

Equal to Sum of (5.3(a)O_RD_Exp_Behalf_Related,5.3(b) O_RD_Exp_Behalf_NonRelated, 5.3(c)O_RD_Exp_Behalf_GovResearch, 5.3(d)O_RD_Exp_Behalf_HEInst, 5.3(e)O_RD_Exp_Behalf_PrivateRD, 5.3(f)O_RD_Exp_Behalf_OtherSource)

This question is mandatory to be completed if displayed according to the display logic expression specified

Display only if 5.1Exp_RD_behalf_typ Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Yes

Total paid (outside the Republic of Ireland)

[   ]

Breakdown of expenditure to parties outside your enterprise, outside the Republic of Ireland, for R&D performed on your behalf in 2021

Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).

Display only if 5.1Exp_RD_behalf_typ Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Yes

Section mandatory to be completed if displayed according to the display   logic specified

Q5.3(a) Related companies (parent, subsidiary, other affiliates)

Display only if 5.1Exp_RD_behalf_typ Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Yes

Section mandatory to be completed if displayed according to the display logic specified

Q5.3(b)   Non-related companies

Display only if 5.1Exp_RD_behalf_typ Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Yes

Section mandatory to be completed if displayed according to the display logic specified

Q5.3(c)   Government research companies

Display only if 5.1Exp_RD_behalf_typ Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Yes

Section mandatory to be completed if displayed according to the display logic specified

Q5.3(d)   Higher Education institutes/universities

Display only if 5.1Exp_RD_behalf_typ Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Yes
Section mandatory to be completed if displayed according to the display logic specified

Q5.3(e) Private R&D institutes/laboratories

Display only if 5.1Exp_RD_behalf_typ Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Yes
Section mandatory to be completed if displayed according to the display logic specified

Q5.3(f)   Other parties paid outside the Republic of Ireland

Only answer this question if 5.3(f)O_RD_Exp_Behalf_OtherSource Greater than 0 and 5.1Exp_RD_behalf_typ Contains Any 2 Outside the Republic of Ireland or 3 Both within & outside the Republic of Ireland and 1.2 Ent_RD_behalf_others Contains Yes
Section mandatory to be completed if displayed according to the display logic specified

Q5.3(g) Other parties paid outside the Republic of Ireland
Please specify other parties

Section 6 - In-house R&D Personnel in 2021

Q6.1 Staff involved in in-house R&D 2021

This question is mandatory to be completed if displayed according to the display logic expression specified

Equals Sum(6.1(a)Tot_Male_inhouseRD, 6.1(b)Tot_Female_inhouseRD)

Display only if 1.1 Ent_Inhouse_RD Contains Any 1 Yes

Total number of staff involved in in-house R&D

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[                    ]
```

Display only if 1.1 Ent_Inhouse_RD Contains Any 1 Yes

All questions in this sequence are mandatory if the sequence is displayed according to the display log

Q6.1(a) of which male

If figure is nil, please enter zero.

```
[                    ]
```

Display only if 1.1 Ent_Inhouse_RD Contains Any 1 Yes

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.1(b) of which female

If figure is nil, please enter zero.

```
[                    ]
```

Display only if 1.1 Ent_Inhouse_RD Contains Any 1 Yes

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.2 Please specify the personnel involved in in-house R&D during {{SurveyYear-1}}:

Select all that apply

☐ PhD qualified researcher

☐ Other Researcher

☐ Technicians

☐ Support Staff

Q6.3 PhD qualified researchers involved in in-house R&D during 2021

Researchers with a PhD qualification

Display only if 6.2 Pers_Type_Inhouse_RD Contains Any 1 PhD qualified researcher
All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified
Q6.3(a) of which male

If figure is nil, please enter zero.

☐

Display only if 6.2 Pers_Type_Inhouse_RD Contains Any 1 PhD qualified researcher

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.3(b) of which female

If figure is nil, please enter zero.

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┌─────────────────────────┐
│                         │
│                         │
└─────────────────────────┘
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Display only if 6.2 Pers_Type_Inhouse_RD Contains Any 1 PhD qualified researcher

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.3(c) Average % of time spent on R&D during 2021

As staff may share their time between R&D and non R&D activities, please estimate the average percentage of time spent on R&D

```
┌─────────────────────────┐
│                         │
│                         │
└─────────────────────────┘
```

Q6.4 Other researchers involved in in-house R&D during 2021

Researchers with non PhD level qualification

Display only if 6.2 Pers_Type_Inhouse_RD Contains Any 2 Other Researcher

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.4(a) of which male

If figure is nil, please enter zero.

```
┌─────────────────────────┐
│                         │
│                         │
└─────────────────────────┘
```

Display only if 6.2 Pers_Type_Inhouse_RD Contains Any 2 Other Researcher

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.4(b) of which female

If figure is nil, please enter zero.

[   ]

Display only if 6.2 Pers_Type_Inhouse_RD Contains Any 2 Other Researcher

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.4(c) Average % of time spent on R&D during 2021

As staff may share their time between R&D and non R&D activities, please estimate the average percentage of time spent on R&D

[   ]

Q6.5 Technicians involved in in-house R&D during 2021

Technically qualified personnel (e.g. lab technicians, draughts people)

Display only if 6.2 if Pers_Type_Inhouse_RD Contains Any 3 Technicians

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.5(a) of which male

If figure is nil, please enter zero.

[   ]

Display only if 6.2   Pers_Type_Inhouse_RD   Contains   Any   3   Technicians

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.5(b) of which female

If figure is nil, please enter zero.

[ ]

Display only if 6.2   Pers_Type_Inhouse_RD   Contains   Any   3   Technicians

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.5(c) Average % of time spent on R&D during 2021

As staff may share their time between R&D and non R&D activities, please estimate the average percentage of time spent on R&D

[ ]

Q6.6   Support staff involved in in-house R&D during 2021

All other R&D supporting staff including R&D managers, administrators and clerical staff

---

Display only if 6.2 Pers_Type_Inhouse_RD   Contains   Any   4   Support   Staff

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.6(a) of which male

If figure is nil, please enter zero.

[ ]

Display only if 6.2   Pers_Type_Inhouse_RD   Contains   Any   4   Support   Staff

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.6(b) of which female

If figure is nil, please enter zero.

[   ]

Display only if 6.2   Pers_Type_Inhouse_RD   Contains   Any   4   Support   Staff

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.6(c) Average % of time spent on R&D during 2021

As staff may share their time between R&D and non R&D activities, please estimate the average percentage of time spent on R&D

[   ]

Q6.7   Recruitment of Researchers: At what level of qualification are you likely to increase R&D personnel (researchers) over the period 2022-2027?

Display only if 1.1   Ent_Inhouse_RD   Contains   Yes

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.7(a) Diploma (only one option may be selected)

☐ Very likely

☐ Likely

☐ Unlikely

☐ Very unlikely

Display only if 1.1 Ent_Inhouse_RD Contains Yes

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.7(b)   Bachelor's degree (only one option may be selected)

☐ Very likely

☐ Likely

☐ Unlikely

☐ Very unlikely

Display only if 1.1 Ent_Inhouse_RD Contains Yes

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.7(c) Masters (only one option may be selected)

☐ Very likely

☐ Likely

☐ Unlikely

☐ Very unlikely

Display only if 1.1 Ent_Inhouse_RD Contains Yes

All questions in this sequence are mandatory if the sequence is displayed according to the display logic specified

Q6.7(d) PhD (only one option may be selected)

☐ Very likely

☐ Likely

☐ Unlikely

☐ Very unlikely

Section 7 - Collaboration

This question is mandatory to be answered.

eQ annotation: Options 1-4 and option 5 are mutually exclusive

Q7.1 Did your company engage in joint research projects with any of the

following parties in 2021?
Select all that apply

☐ Other firms in Ireland

☐ Other firms outside Ireland

☐ Higher education or other institutions in Ireland

☐ Higher education or other institutions outside Ireland

☐ No joint research engaged in

Section 8 - Local Units

This question is mandatory to be completed if displayed according to the display logic expression specified

Sum of (loop of RD_persons_engaged) = Total R&D staff in RD_inhouse_Personnel

Sum of (loop of Total_RD_Expenditure) = Tot_Exp_inhouse_RD

Display only if 1.4 Enterprise_Group2 Contains Any 1 Yes

Q8.1 As your enterprise is part of an enterprise group, how many local units (branches/plants) are engaged in R&D Activities?

(0-8)

[   ]

Loop Q8.2(a) 8.2(d) the number of times indicated by 8.1 RD_Local_Unit

Details of Local Unit {{loopNo}}

The question will repeat for each local unit indicated in Local Units Section

Please provide R&D related expenditure to the nearest number of thousands (i.e. €3,000 = 3)

This question is mandatory to be completed if displayed according to the display logic expression specified

Sum of (loop of RD_persons_engaged) = Total R&D staff in RD_inhouse_Personnel

Sum of (loop of Total_RD_Expenditure) = Tot_Exp_inhouse_RD

Display only if 1.4 Enterprise_Group2 Contains Any 1 Yes

Q8.2(a) Branch/ Plant name

[   ]

This question is mandatory to be completed if displayed according to the display logic expression specified

Sum of (loop of RD_persons_engaged) = Total R&D staff in RD_inhouse_Personnel Sum of (loop of Total_RD_Expenditure) = Tot_Exp_inhouse_RD

Display only if 1.4 Enterprise_Group2 Contains Any 1 Yes

Q8.2(b) County:

This question is mandatory to be completed if displayed according to the display logic expression specified

Sum of (loop of RD_persons_engaged) = Total R&D staff in RD_inhouse_Personnel Sum of (loop of Total_RD_Expenditure) = Tot_Exp_inhouse_RD

Display only if 1.4 Enterprise_Group2 Contains Any 1 Yes

Q8.2(c)   Total number of persons engaged in R&D related activities (during {{SurveyYear-1}})

If figure is nil please enter zero

This question is mandatory to be completed if displayed according to the display logic expression specified

Sum of (loop of RD_persons_engaged) = Total R&D staff in RD_inhouse_Personnel Sum of (loop of Total_RD_Expenditure) = Tot_Exp_inhouse_RD

Display only if 1.4 Enterprise_Group2 Contains Any 1 Yes

Q8.2(d) R&D related expenditure in 2021

Please provide the expenditure to the nearest number of thousands (i.e. €3,000 = 3).
If figure is nil, please enter zero.

Comments, Administrative Burden and Contact Details

Please add any comments that would help us to interpret the data provided and avoid further queries:

How many minutes did it take you to collect the data for this form?

Please note: Queries or future surveys from the CSO may be directed to the email or phone number provided by you.

Paper form support for question grids is forthcoming.

You will have the opportunity to view and print or save a copy of your answers after submitting this survey.