

Swiss Confederation

OID NOGA SAB

Please mention this number (OID) on any correspondence and in any phone call.


Online Survey: www.esurvey.admin.ch/eRD

Username:

Password:

Research and Development 2021 (R&D)

Survey on R&D spending and staffing in Private Business Enterprises

 Please use a dark blue or black pen, align the numbers on the right and make sure that they are written within the box.

3 8 8

Tick the boxes exactly as follows:

General information

Instructions and communication

For questions, please contact the FSO **0800 20 10 10** (free number) or email: **mon.rd@bfs.admin.ch**.

Survey period

Data refer to the period of 1.1.2021 to 31.12.2021.

Unit under survey

The selected unit is the business enterprise as referred to by the Business Register of the FSO (see definition in Appendix I, p. 2).

Filling in the questionnaire

Please do not leave any fields blank.

Indicate lack of expenditure or person by "0" (zero).

If you have trouble in answering, please provide the best estimate possible. If you cannot itemize your information with the requested level of detail, please give at least an estimate of the total. Amounts should be rounded to thousands of Swiss francs. Percentages should be rounded up or down to the nearest whole number.

0 Questions about the business in Switzerland

Contact person in your business:

Name:

Email:

Telephone: / - - Dept.:

Business head office (if address different from attached letter):

Country: Business name:

Do the data given in this questionnaire also concern affiliated businesses in Switzerland which carry out R&D activities?

Yes Please indicate in the table below the names of affiliated businesses in Switzerland for which you are replying as well as the distribution of intramural expenditure on R&D between all businesses in the list.

No Please go to section 1 and answer for the whole of your business.

Names of affiliated businesses included in the data for this questionnaire.	Address	Postcode	Town	Estimate Proportion of intramural R&D expenditure (as % of point 245, section 1)
Your business (as indicated in the address above)	-	-	-	
			Total	= 100%

If there are more than four names, please enclose a separate list.



1 Intramural expenditure on R&D by the business in Switzerland in 2021 (In thousands of francs)

a. R&D personnel expenditure Wages and total cost of staff and complementary services related to R&D	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	210
b. Other current R&D expenditure Rental, covering materials, leasing, etc., without depreciation	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	220
c. R&D investment expenditure (without depreciation) (= 246 + 248 + 249) on:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	244
Buildings	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	246
Software	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	248
Machinery and other equipment	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	249
Total intramural expenditure on R&D by the business in Switzerland in 2021	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	245

See definitions in Appendix I, p. 2. (= total points 210 + 220 + 244)

2 Use of R&D result by the business in Switzerland in 2021 (Estimate as %)

In which branch(es) of economic activity is the result of the R&D performed by the business used?

Please indicate the distribution of intramural expenditure on R&D across the branches concerned (as % of point 245, section 1)

Food	<input type="text"/>	<input type="text"/>	<input type="text"/>	3001	High technology instruments	<input type="text"/>	<input type="text"/>	<input type="text"/>	3006
Chemistry	<input type="text"/>	<input type="text"/>	<input type="text"/>	3002	ICT-manufacture	<input type="text"/>	<input type="text"/>	<input type="text"/>	3007
Pharmacy	<input type="text"/>	<input type="text"/>	<input type="text"/>	3003	ICT-services	<input type="text"/>	<input type="text"/>	<input type="text"/>	3008
Metallurgy	<input type="text"/>	<input type="text"/>	<input type="text"/>	3004	Other branches	<input type="text"/>	<input type="text"/>	<input type="text"/>	3010
Machinery	<input type="text"/>	<input type="text"/>	<input type="text"/>	3005	Total	1	0	0	

See definitions in Appendix II.

3 Distribution of intramural expenditure on R&D by the business in Switzerland in 2021 (Estimate as %)

3.1 Distribution (as %) of intramural expenditure on R&D by technology (as % of point 245, section 1)

Biotechnology	<input type="text"/>	<input type="text"/>	<input type="text"/>	500	Software	<input type="text"/>	<input type="text"/>	<input type="text"/>	520
Nanotechnology	<input type="text"/>	<input type="text"/>	<input type="text"/>	510	Other research	<input type="text"/>	<input type="text"/>	<input type="text"/>	590
					Total	1	0	0	

See definitions and examples in Appendix III.

3.2 Distribution (as %) of intramural expenditure on R&D by type of R&D (as % of point 245, section 1)

Basic research	<input type="text"/>	<input type="text"/>	<input type="text"/>	331	Experimental development	<input type="text"/>	<input type="text"/>	<input type="text"/>	340
Applied research	<input type="text"/>	<input type="text"/>	<input type="text"/>	335	Total	1	0	0	

See definitions and examples in Appendix I, pages 2 and 3.

3.3 Distribution (as %) of intramural expenditure on R&D by R&D objectives (as % of point 245, section 1)

Health	<input type="text"/>	<input type="text"/>	<input type="text"/>	365	Industrial production and technology	<input type="text"/>	<input type="text"/>	<input type="text"/>	368
Agriculture	<input type="text"/>	<input type="text"/>	<input type="text"/>	367	Defence	<input type="text"/>	<input type="text"/>	<input type="text"/>	375
Environment	<input type="text"/>	<input type="text"/>	<input type="text"/>	364	Other objectives	<input type="text"/>	<input type="text"/>	<input type="text"/>	397
Energy	<input type="text"/>	<input type="text"/>	<input type="text"/>	366	Total	1	0	0	

See definitions and examples in Appendix IV.



4 Funding of intramural R&D carried out by the business in Switzerland in 2021 (In thousands of francs)

Who provided funding for the business's intramural R&D activities in Switzerland in 2021?

a. Funding originating in the business itself

(including funds raised on financial markets and from the banks)

415

b. Funding originating in Switzerland:

from other businesses in the same group
(parent business and/or affiliated businesses)

R&D contracts

4201

R&D grants

4202

from other private businesses (with no financial ties)

4251

4252

from public sector (e.g. Innosuisse)

4351

4352

from universities (including universities of applied sciences
federal. inst. of technology. & fed. research facilities)

4401

4402

from other sources (e.g. private non-profit organisations)

4501

4502

> Total contracts and grants originating in Switzerland

4051

4052

c. Funding originating from abroad:

from other businesses in the same group
(parent business and/or affiliated businesses)

R&D contracts

4209

R&D grants

4208

from other private businesses (with no financial ties)

4259

4258

from other foreign sources (e.g. public sector, universities,
private non-profit organisations, international organisations)

4509

4508

from the European Commission

4609

4608

> Total contracts and grants originating from abroad

4559

4558

Total contracts and grants

4055
(= total points 4051 + 4559)

4955
(= total points 4052 + 4558)

Total funding of intramural R&D (= point 245, section 1)

See definitions in Appendix I, p. 3.

405
(= total points 415 + 4055 + 4955)

5 Extramural expenditure on R&D by the business in 2021 (In thousands of francs)

In 2021 did the business commission R&D or support R&D projects undertaken by third parties by means of contributions?

Yes Please fill in below.

No Please go to section 6.

Where is the money paid by the business that constitutes extra-mural expenditure on R&D in 2021?

a. Extramural expenditure on R&D in Switzerland to:

other businesses in the same group (parent business and/or affiliated businesses)

R&D contracts

2551

R&D grants

2552

other private businesses (with no financial ties)

2501

2502

public institutions (e.g. federal agricultural research
and testing centers)

2651

2652

universities (including universities of applied sciences,
federal. inst. of technology (ETH), research institutes ETH domain)

2601

2602

other entities (e.g. private non-profit organisations)

2751

2752

> Total extramural expenditure on R&D in Switzerland

2911

2912

b. Extramural expenditure on R&D abroad to

other businesses from the same group (parent business and/or affiliated businesses)

R&D contracts

2749

R&D grants

2748

other private businesses (with no financial ties)

2779

2778

other entities (e.g. public organisations, universities,
private non-profit organisations)

2789

2788

> Total extramural expenditure on R&D abroad

2769

2768

Total contracts and grants

2055
(= total points 2911 + 2769)

2955
(= total points 2912 + 2768)

Total extramural expenditure on R&D

295
(= total points 2055 + 2955)



6 Internal R&D personnel of the business in Switzerland in 2021, by qualification (See definitions in Appendix I, pages 3 and 4)

Qualification (highest level completed)	Number of R&D employees	With number of female R&D employees	With number of foreign R&D employees	Total R&D employees in full-time equivalents (FTE)	
Tertiary level, universities	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	640
– of which PhD, doctorate or equivalent title	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	630
Tertiary level, higher vocational education	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	665
Other qualifications	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	699
Total internal R&D personnel in Switzerland	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	600

7 Internal R&D personnel of the business in Switzerland in 2021, by function (See definitions in Appendix I, p. 4)

Function	Number of R&D employees	With number of female R&D employees	With number of foreign R&D employees	Total R&D employees in full-time equivalents (FTE)	
Researchers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	715
R&D technicians	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	725
R&D supporting personnel (or not specified)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	735
Total internal R&D personnel in Switzerland	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	705

(= point 600, section 6)

8 Information on affiliated businesses abroad in 2021 (See definitions in Appendix I, p. 4)

Did the business have affiliated businesses abroad which carried out R&D activities in 2021 for themselves or for third parties?

Yes Please fill in below.

No

Total number of persons employed in affiliated businesses abroad on 31.12.2021 (number)	<input type="text"/>	115
Total intramural expenditure on R&D by affiliated businesses abroad in 2021 (in thousands of francs)	<input type="text"/>	205
Total internal R&D personnel in affiliated businesses abroad in 2021 (number)	<input type="text"/>	204

9 Survey length

	Hours	Minutes	
How much time did you spent on our survey?	<input type="text"/>	<input type="text"/>	900

10 Comments and remarks

Thank you for taking part!

