

22 December 2021

## Community Innovation Survey in Enterprises Year 2020. Definitive Results

### Main results

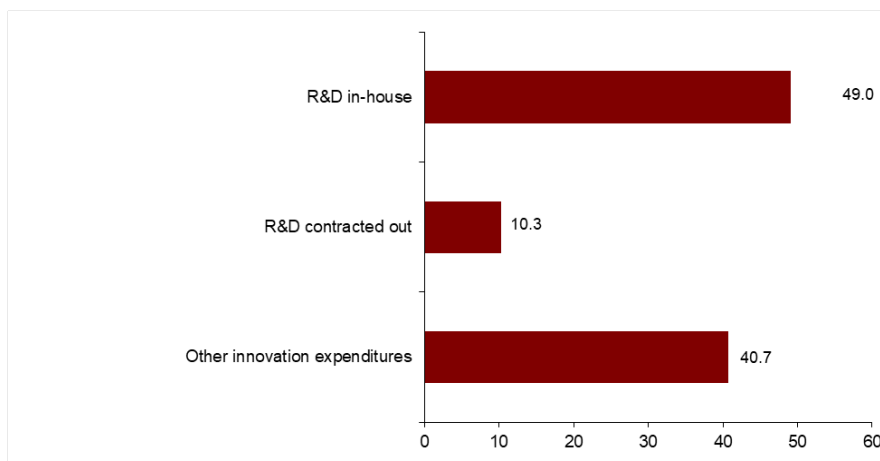
- Expenditure on innovative activities decreased by 11.9% in 2020, standing at 17,074 million euros.
- In the 2018-2020 period, 22.6% Spanish companies were innovative.
- In the 2018-2020 period, 12.6% of companies were product innovators, and 19.9% were innovative in their business processes.
- The communities with the highest spending on innovative activities were Comunidad de Madrid (30.8% of the national total), Cataluña (26.4%) and País Vasco (8.7%).

Expenditure in innovative activities reached 17,074 million euros in 2020, with an decrease of 11.9% as compared with the previous year. This figure represented 1.1% of the Spanish business turnover.

A total of 49.0% of the expenditure went towards *internal R&D*, 10.3% to *external R&D* and 40.7% to *other innovative activities*<sup>1</sup>.

### Distribution of spending on innovative activities by type of spending. Year 2020.

Percentage



<sup>1</sup> The other innovative activities, according to the 2018 Oslo Manual, are: Engineering, design and other creative work, Marketing activities and brand equity, Activities related to Intellectual Property, Employee training activities, Development of software and activities related to databases and Acquisition and leasing of tangible assets, so long as they are used in innovation .

In the 2018-2020 period, 22.6% of companies were innovative (product innovation or innovation in their business processes). This percentage is 1.8 points higher than the previous period.

## Spending on innovative activities by activity

Spending on innovative activities decreased 34.5% in *Construction*, 17.0% in *Agriculture*, a 15.6% in *Industry* and 7.8% in *Services*.

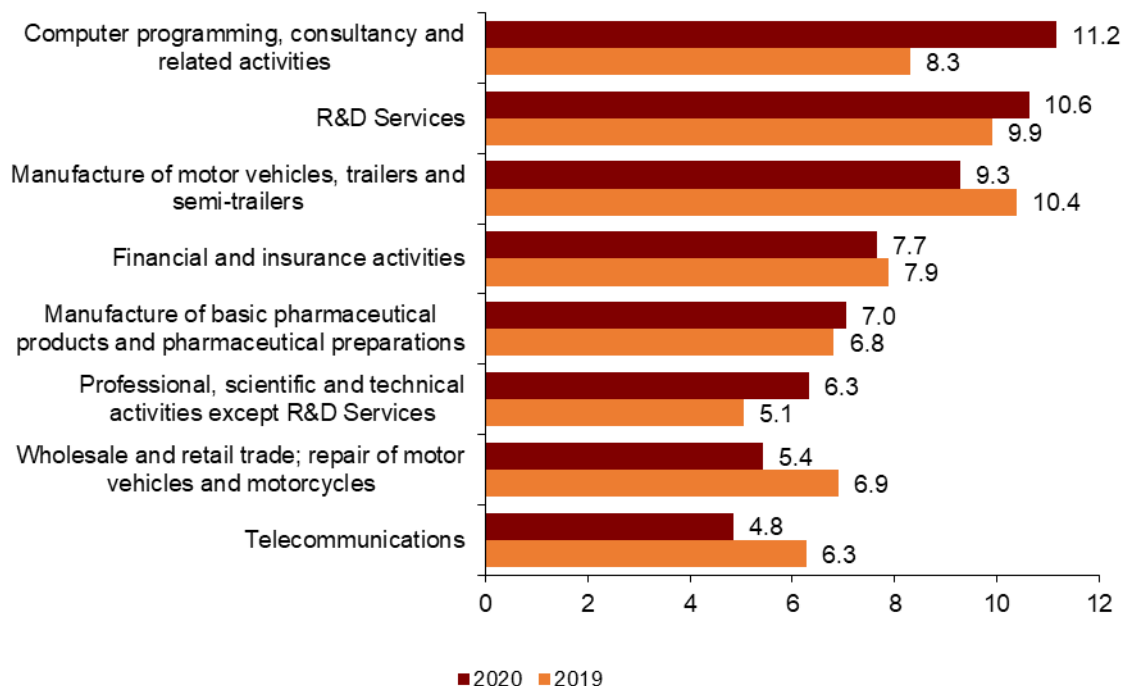
## Spending on innovative activities by activity

	2020		2019		Annual Rate
	Thousands of €	%	Thousands of €	%	%
<b>TOTAL</b>	17,074,397	100.0	19,389,865	100.0	-11.9
Agriculture, forestry and fishig	160,352	0.9	193,129	1.0	-17.0
Industry	7,653,938	44.8	9,067,741	46.8	-15.6
Construction	188,238	1.1	287,239	1.5	-34.5
Services	9,071,869	53.1	9,841,757	50.8	-7.8

By branches of activity, companies in the area of *Programming, consulting and other IT activities* accounted for the highest percentage of total spending on innovative activities, with 11.2% of the total. This was followed by *R&D Services* (10.6% of the total) and *Motor Vehicles* (9.3%).

## Distribution of internal R&D expenditure by branch of activity.

Percentage



## Spending on innovative activities by Autonomous Communities

In 2020, the communities with the highest spending on innovative activities were Comunidad de Madrid (30.8% of the national total), Cataluña (26.4%) and País Vasco (8.7%).

On the other hand, the communities that registered the most negative contribution as part of the decrease in national spending on innovative activities were; Cataluña (-3.7 points), Comunidad de Madrid (-1.8 points) and Comunitat Valenciana (-1.3 points).

## Spending on innovative activities by Autonomous Communities where they are carried out

Año 2020

	Total (thousands of €)	%	Annual rate (%)	Contribution to decrement
<b>TOTAL</b>	<b>17,074,397</b>	<b>100.0</b>	<b>-11.9</b>	<b>-11.9</b>
Andalucía	1,102,338	6.5	-10.2	-0.7
Aragón	329,285	1.9	-39.6	-0.8
Asturias, Principado de	191,831	1.1	-28.3	-0.3
Balears, Illes	178,579	1.0	-17.0	-0.2
Canarias	119,751	0.7	-33.8	-0.2
Cantabria	90,217	0.5	-15.5	-0.1
Castilla y León	725,773	4.3	-9.4	-0.4
Castilla-La Mancha	284,135	1.7	-19.4	-0.3
Cataluña	4,512,494	26.4	-14.0	-3.7
Comunitat Valenciana	1,255,475	7.4	-17.1	-1.3
Extremadura	71,441	0.4	-10.9	0.0
Galicia	722,049	4.2	-5.0	-0.2
Madrid, Comunidad de	5,267,327	30.8	-5.8	-1.8
Murcia, Región de	307,781	1.8	-13.6	-0.2
Navarra, Comunidad Foral de	360,094	2.1	0.8	0.0
País Vasco	1,493,099	8.7	-12.8	-1.1
Rioja, La	60,227	0.4	-18.5	-0.1

Data of Ceuta and Melilla is not published by statistical secret

## Innovative companies in the 2018-2020 period

A total of 22.6% of Spanish companies were innovative (product innovation or innovation in business processes) in the 2018-2020 period, compared to 20.8% in the 2017-2019 period. Of these, 12.6% were product innovators and 19.9% business process innovators.

## Innovative enterprises. Percentages

	2018-2020	2017-2019
Innovative enterprises*	22.6	20.8
Enterprises with product innovations*	12.6	10.5
Enterprises with business process innovations*	19.9	18.4

\*Definitions by OM 2018: <https://icono.fecyt.es/sites/default/files/filepublicaciones/manualoslo2018.pdf>

By activity sectors, the industrial sector (32.9%) had the highest percentage of innovative companies in the 2018-2020 period, while *Construction* (14.2%) had the least.

## Innovative companies by branches of activity. Period 2018-2020 Percentage

	Innovative enterprises	Enterprises with product innovations	Enterprises with business process innovations
	%	%	%
<b>TOTAL</b>	<b>22.6</b>	<b>12.6</b>	<b>19.9</b>
Agriculture, forestry and fishing	17.5	10.1	13.0
Industry	32.9	20.9	29.3
Construction	14.2	5.0	12.9
Services	21.2	11.6	18.7

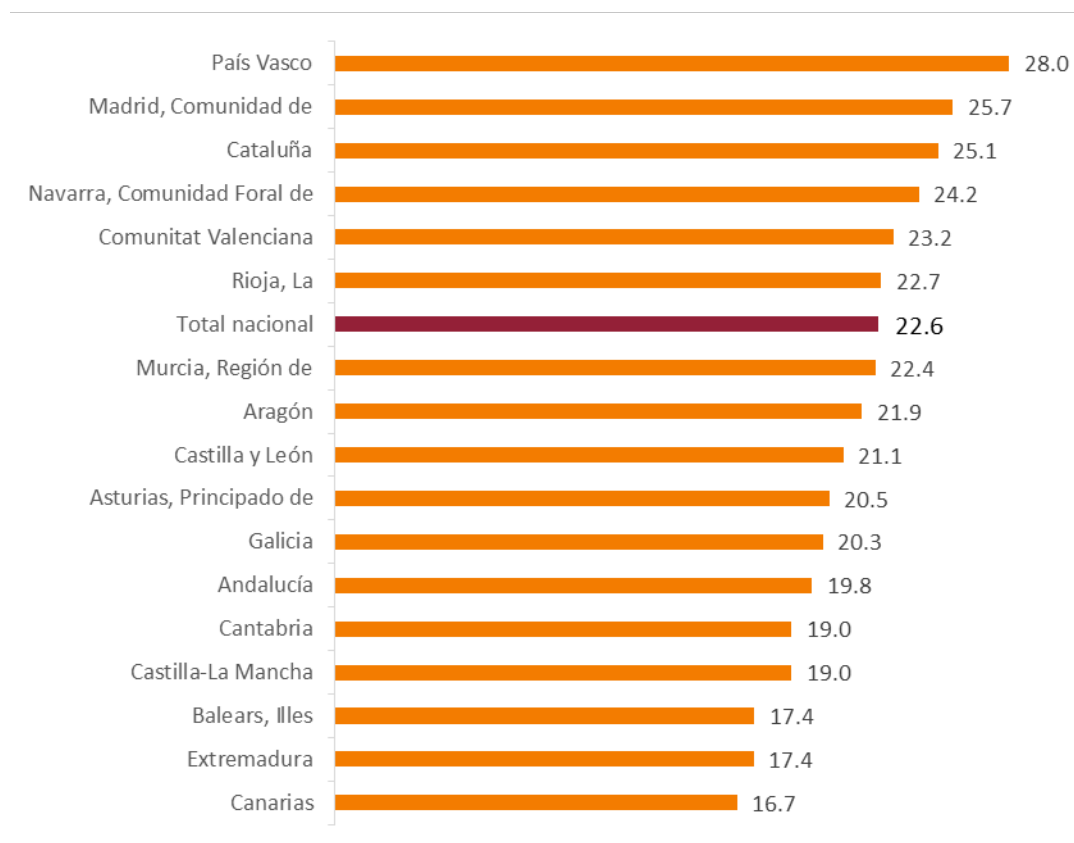
\*Definitions by OM 2018: <https://icono.fecyt.es/sites/default/files/filepublicaciones/manualoslo2018.pdf>

## Innovative companies in the 2018-2020 period, by Autonomous Communities

The autonomous communities with the highest percentage of innovative companies in the 2018-2020 period were País Vasco (28.0% of its companies were innovative), Comunidad de Madrid (25.7%) and Cataluña (25.1%).

## Innovative enterprises by Autonomous Communities and Cities. Period 2018-2020

Percentage of the population of companies with 10 or more employees in each autonomous community



## Data Review and Update

The data published today is final and is not subject to further revision. All results are available on INEBase.

## Methodological note

The main objective of the **Business Innovation Survey** is to provide direct information on the innovation process in companies, elaborating indicators that allow us to ascertain the different aspects of this process (economic impact, innovative activities, cost...). As well as providing rich and varied information on the technological innovation process, this study may serve as the base framework for diverse specific studies on other aspects related to science and technology (for example, use of cutting-edge technology in manufacture, technological payments and incomes, studies about patents, etc.).

There is a break in the series in the Innovation Survey corresponding to the year 2018, due to the methodological change in the new version of the Oslo Manual. For this reason, the data are not comparable with those published for previous years.

**Type of survey:** annual continuous survey.

**Population scope:** agricultural, industrial, construction and service companies with 10 or more employees, whose main economic activity corresponds to sections A to N, P (except branch 854), Q, R, and S (except branch 94) of the CNAE-2009

**Geographical scope:** the entire national territory.

**Reference period:** in general, the year immediately prior to survey execution; however, in order to facilitate international comparability, variables related to the innovations implemented by the company refer to the three-year period prior to survey execution.

**Sample size:** more than 40,000 companies.

**Collection method:** mixed system that includes the collection via Internet (CAWI) and by mail, combined with telephone support on the part of interviewers.

For more information you can access the methodology and the standardized methodological report at:

[http://www.ine.es/dyngs/INEbase/es/operacion.htm?c=Estadistica\\_C&cid=1254736176755&menu=metodologia&idp=1254735576669](http://www.ine.es/dyngs/INEbase/es/operacion.htm?c=Estadistica_C&cid=1254736176755&menu=metodologia&idp=1254735576669)

INE statistics are produced in accordance with the Code of Good Practice for European Statistics, which is the basis for the institution's quality policy and strategy. For more information see the section [Quality at INE and the Code of Best Practices](#) on the INE website.

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