

19 December 2019

## Community Innovation Survey in Enterprises Year 2018. Definitive results

### Main results

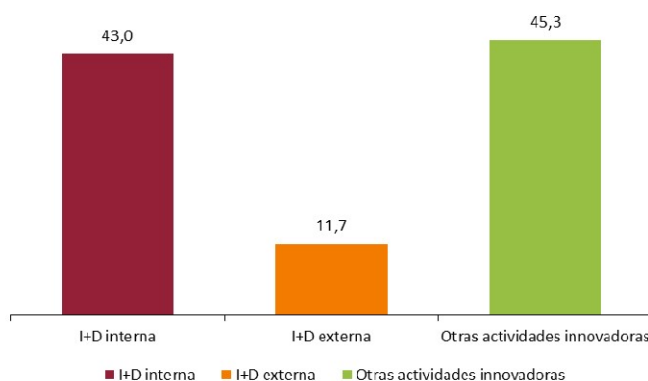
- Expenditure on innovative activities in 2018 amounted to 18,689 million euros.
- One in five Spanish enterprises were innovative in the period 2016-2018.
- 9.8% of Spanish enterprises were product innovators) and 17.5% were business process innovators in the period 2016-2018.
- The Communities with the greatest expenditure on innovative activities were the Comunidad de Madrid (31.3% of the national total), Cataluña (26.5%) and País Vasco (9.1%).

Expenditure on innovative activities reached 18,689 million euros in 2018. This figure represented 1.0% of the turnover of Spanish enterprises.

43.0% of expenditure is due to *internal R&D*, 11.7% to *external R&D* and 45.3% to *other innovative activities*<sup>1</sup>.

### Expenditure on innovative activities by type of expenditure. Year 2018.

Percentage



<sup>1</sup> The other innovative activities according to the Oslo Manual 2018 are: Engineering, Design and other creative work, Marketing and brand value activities, Intellectual Property related activities, Employee training activities, Software development and Database related activities and Acquisition and leasing of tangible assets, provided they are used in innovation.

20.0% of the enterprises were innovative (product or process wise) in the period 2016-2018.

### **Expenditure on innovative activities**

Expenditure on innovative activities represented 0.8% of turnover in enterprises with 10 to 249 employees and 1.2% in enterprises with more than 250 employees.

### **Expenditure on innovative activities by enterprise size. Year 2018**

	Total	10 a 249 empleados	250 o más empleados
Gasto en actividades innovadoras (miles de euros)	18.688.949	6.969.998	11.718.951
Intensidad* (%)	1,0	0,8	1,2
% de empresas con gasto en actividades innovadoras	14,4	13,7	39,6

\*Intensidad=100\*gasto en actividades innovadoras/cifra de negocios

By branch of activity, industrial enterprises accounted for the highest percentage of total expenditure on innovation in 2018 (1.4%), followed by agriculture (0.9%), the service sector (0.8%) and finally, construction (0.3%).

### **Expenditure on innovation by activity. Year 2018**

	Empresas con gasto en act. innovadoras (%)	Gasto en act. innovadoras (Miles de €)	Intensidad (%)
<b>TOTAL</b>	14,4	18.688.949	1,0
Agricultura, ganadería, silvicultura y pesca	9,2	188.800	0,9
Industria	25,6	9.153.310	1,4
Construcción	6,2	185.261	0,3
Servicios	12,5	9.161.578	0,8

\*Intensidad=100\*gasto en actividades innovadoras/cifra de negocios

### **Expenditure on innovative activities by Autonomous Community**

The Communities with the greatest expenditure on innovative activities were the Comunidad de Madrid (31.3% of the national total), Cataluña (26.5%) and País Vasco (9.1%).

## Expenditure on innovative activities by Autonomous Community where it is carried out.

2018

	Empresas con gasto en act. innovadoras (*)	Gasto en actividades innovadoras (**)		Intensidad (%)
		Miles de €	%	
<b>TOTAL</b>	<b>22.742</b>	<b>18.688.949</b>	<b>100,0</b>	<b>1,0</b>
Andalucía	2.595	1.004.904	5,4	0,6
Aragón	801	459.009	2,5	0,8
Asturias, Principado de	469	184.966	1,0	0,7
Baleares, Illes	493	137.023	0,7	0,4
Canarias	762	177.641	1,0	0,4
Cantabria	271	105.665	0,6	0,6
Castilla y León	952	873.052	4,7	1,5
Castilla-La Mancha	886	349.282	1,9	0,8
Cataluña	5.647	4.958.187	26,5	1,4
Comunitat Valenciana	2.742	1.169.374	6,3	0,9
Extremadura	320	70.999	0,4	0,5
Galicia	1.218	809.704	4,3	0,8
Madrid, Comunidad de	3.949	5.846.002	31,3	0,9
Murcia, Región de	840	352.836	1,9	0,9
Navarra, Comunidad Foral de	552	408.128	2,2	1,4
País Vasco	1.944	1.704.186	9,1	1,8
Rioja, La	226	74.278	0,4	0,9
Ceuta	6	982	0,0	0,0
Melilla	16	2.728	0,0	0,1

(\*) Una empresa puede tener gasto en actividades innovadoras en más de una comunidad/ciudad autónoma

(\*\*) En la comunidad o ciudad autónoma donde se realice el gasto

Intensidad=100\*gasto en actividades innovadoras/cifra de negocios

## Innovative enterprises in the 2016-2018 period

One in five Spanish enterprises were innovative (in their product or business processes) in the period 2016-2018. 9.8% were product innovators and 17.5% were business process innovators. In terms of size, 45.8% of enterprises with 250 or more employees were innovative, whilst 19.3% of the smallest enterprises were.

## Innovative enterprises in 2016-2018 by enterprise size. Percentages

	Total	10 a 249 empleados	250 o más empleados
Empresas innovadoras*	20,0	19,3	45,8
Innovadoras de producto*	9,8	9,3	26,9
Innovadoras de procesos de negocio*	17,5	16,9	41,5

\*Definición según Manual de Oslo de 2018: <https://icono.fecyt.es/sites/default/files/filepublicaciones/manualoslo2018.pdf>

By branch of activity, the highest percentage of innovative enterprises in the period 2016-2018 was found in the industrial sector (29.6%), whilst the lowest percentage of innovative enterprises was found in the agricultural sector (11.8%).

## Innovative enterprises by branch of activity. Period 2016-2018. Percentage

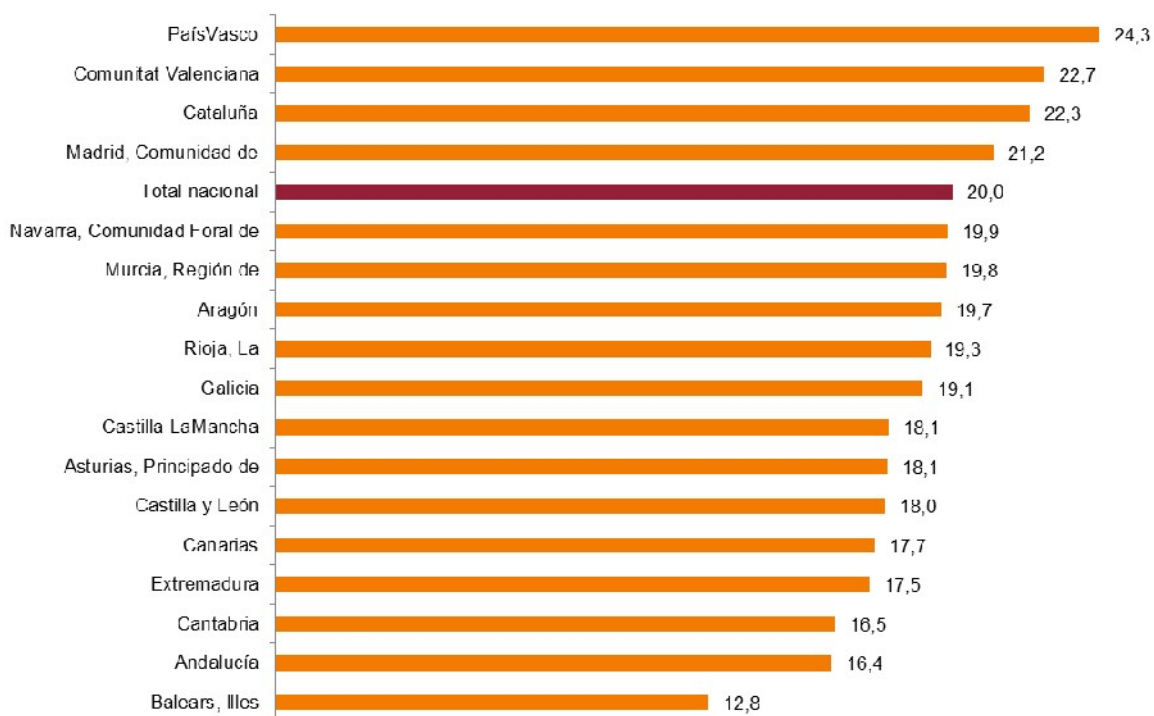
	Empresas innovadoras*	Innovadoras de producto*	Innovadoras de proceso*
<b>TOTAL</b>	20,0	9,8	17,5
Agricultura, ganadería, silvicultura y pesca	11,8	5,5	9,7
Industria	25,6	16,6	25,4
Construcción	6,2	4,7	11,9
Servicios	12,5	8,7	16,5

\*Definición según Manual de Oslo de 2018: <https://icono.fecyt.es/sites/default/files/filepublicaciones/manualoslo2018.pdf>

## Innovative enterprises in the period 2016-2018 by autonomous communities

The Autonomous Communities with the highest percentage of innovative enterprises in the 2016-2018 period were the País Vasco (24.3% of its enterprises were innovative), Comunitat Valenciana (22.7%) and Cataluña (22.3%).

## Innovative enterprises by Autonomous Communities and Cities. Period 2016-2018. Percentage of enterprises with 10 or more employees in each Autonomous Community



Los datos de Ceuta y Melilla no se proporcionan por secreto estadístico

## Data revisions and updates

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

## Methodological note

The main objective of the Innovation in Enterprises Survey is to provide direct information on the innovation process in enterprises, elaborating indicators that allow us to ascertain the different aspects of this process (economical 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.).

In the 2018 Innovation Survey, a series break occurs due to methodological change in the new version of the Oslo Manual. For this reason, the data is not comparable with that published in previous years

**Type of survey:** annual continuous survey

**Population scope:** agricultural, industrial, construction and services enterprises 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:** generally is the year immediately before its execution, although the variables related to the innovations introduced by the enterprises refer to the period of three years prior to the execution of the survey, in order to facilitate international comparability.

**Sample size:** more than 40,000 enterprises

**Collection method:** mixed system that includes sending letters and the participation of interviewers, with important telephone support in collecting information.

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

[http://www.ine.es/dynqs/INEbase/es/operacion.htm?c=Estadistica\\_Cid=1254736176755enu=metodologiadp=1254735576669](http://www.ine.es/dynqs/INEbase/es/operacion.htm?c=Estadistica_Cid=1254736176755enu=metodologiadp=1254735576669)

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