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Innovation in Companies Survey Year 2017. Definitive results

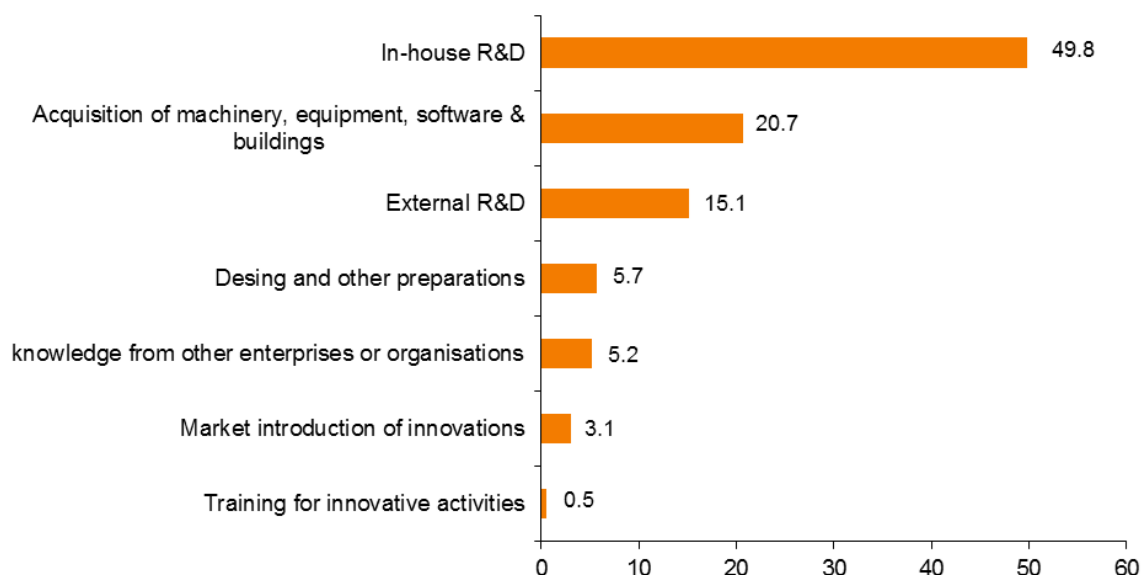
Main results

- Expenditure on technological innovation increased by 7.0% in 2017 to 14.821 million euros.
- 28.2% of Spanish companies with 10 or more employees were innovative during the 2015-2017 period. Both technological and non-technological innovations are included in this percentage.
- 13.3% of Spanish companies with 10 or more employees were technologically innovative and 23.4% were non-technologically innovative during the 2015-2017 period.
- Communities with greater expenditure on technological innovation were Comunidad de Madrid (35.1% of the national total), Catalonia (25.4%) and País Vasco (10.4%).

Technological innovation expenditure reached 14.821 million euros in 2017, with an increase of 7.0% as compared with the previous year. This figure represented 1.8% of the turnover of companies with 10 or more employees with spending on technological innovation.

The following activities were particularly noteworthy: *Internal R&D* (which accounted for 49.8% of total expenditure on technological innovation activities), the *Acquisition of advanced machinery, equipment, hardware or software* (20.7%) and *External R&D* (15.1%).

Expenditure on technologically innovative activities by type of expenditure. Year 2017. Percentage



Expenditure on technological innovation by activity

Expenditure on technological innovation increased by 27.4% in *Construction and Real estate activities*, 10.1% in *Industry*, 6.6% in *Agriculture* and 3.3% in *Services (excl. Real estate activities)*.

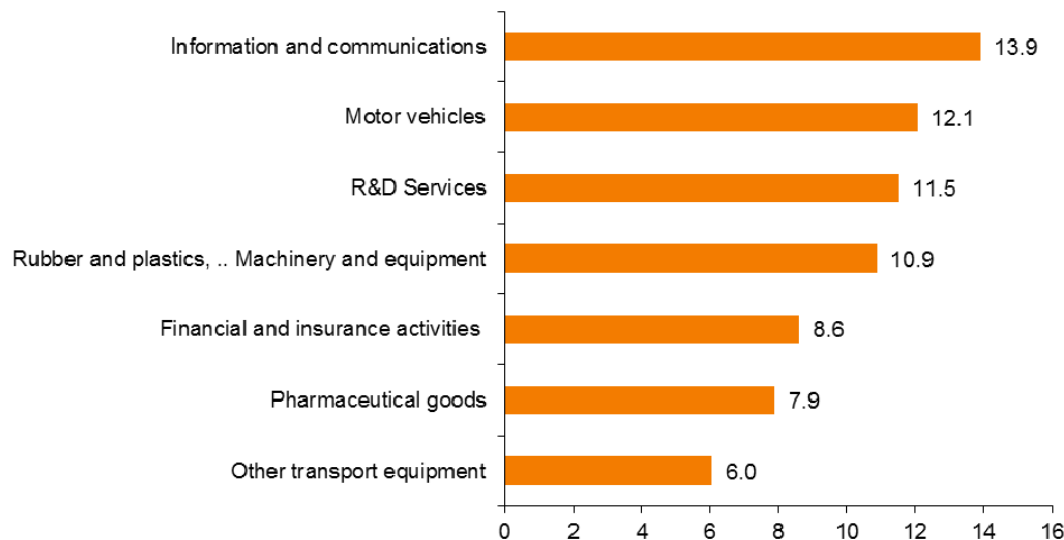
Expenditure on technological innovation by activity

	2017		2016		Annual rate %
	Total	%	Total	%	
TOTAL	14,821,454	100.0	13,857,481	100.0	7.0
1. AGRICULTURE, FORESTRY AND FISHING	99,372	0.7	93,238	0.7	6.6
2. INDUSTRY	7,520,448	50.7	6,828,284	49.3	10.1
3. CONSTRUCTION and real estate activities (NACE 41, 42, 43, 68)	180,872	1.2	141,988	1.0	27.4
4. SERVICES (except Real state activities)	7,020,763	47.4	6,793,970	49.0	3.3

By branch of activity, *Information and communications* companies accounted for the highest percentage of total expenditure on technological innovation (with 13.9% of the total). This was followed by *Motor vehicle* companies (12.1% of the total) and *R&D service* companies (11.5%).

Expenditure on technological innovation by branch of activity. Year 2017.

Percentage



Expenditure on technological innovation by Autonomous Community

The Autonomous Communities that had the greatest expenditure on technological innovation in 2017 were Comunidad de Madrid (35.1% of the national total), Cataluña (25.4%) and País Vasco (10.4%).

Expenditure on technological innovation by Autonomous Community where it is carried out.

Year 2017

	Total (thousand of euros)	%	Annual rate
TOTAL	14,821,454	100.0	7.0
Andalucía	710,431	4.8	-6.4
Aragón	421,001	2.8	30.8
Asturias, Principado de	176,819	1.2	17.6
Balears, Illes	52,688	0.4	49.0
Canarias	54,823	0.4	-3.1
Cantabria	62,247	0.4	-11.1
Castilla y León	587,737	4.0	18.9
Castilla-La Mancha	201,013	1.4	-18.4
Cataluña	3,766,425	25.4	11.9
Comunitat Valenciana	934,784	6.3	13.0
Extremadura	29,275	0.2	-0.3
Galicia	526,521	3.6	4.5
Madrid, Comunidad de	5,206,856	35.1	1.5
Murcia, Región de	189,256	1.3	-2.1
Navarra, Comunidad Foral de	318,232	2.1	22.2
País Vasco	1,540,323	10.4	12.4
Rioja, La	42,957	0.3	2.5

Ceuta and Melilla data are not provided by statistical secret

Innovative companies in the 2015-2017 period

28.2% of Spanish companies with 10 or more employees were innovative during the 2015-2017 period, compared to 28.9% in the 2014-2016 period. Technological innovations (product and process innovations) and non-technological innovations (organisation and marketing innovations) are both included in this percentage.

Of the 10 or more employees, 23.4% were non-technologically innovative and 13.3% were technologically innovative compared to 24.5% and 12.8%, respectively in the previous period.

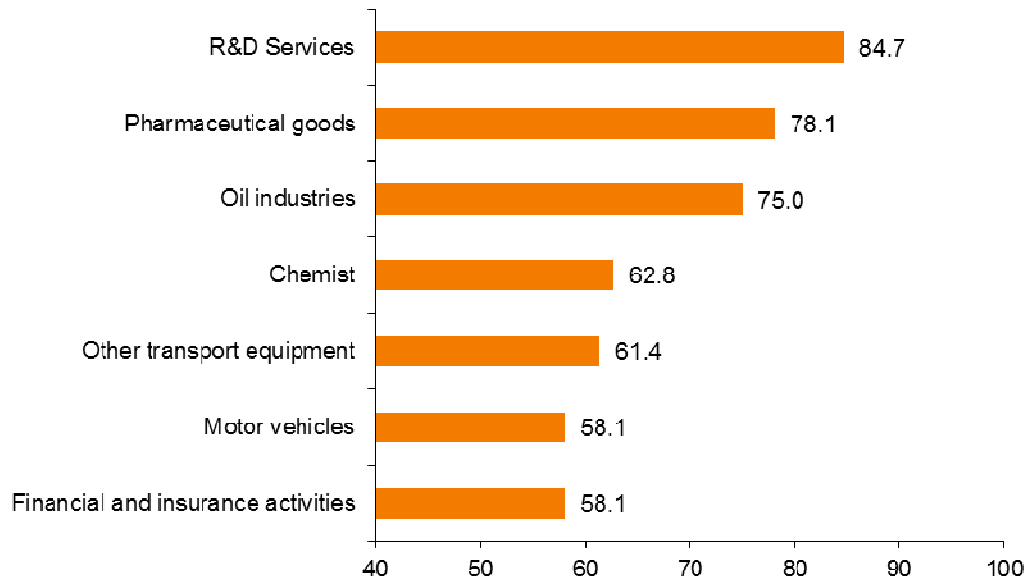
Percentage of innovative companies by period

	2015-2017	2014-2016
Innovative enterprises	28.2	28.9
-Enterprises with technological innovations	13.3	12.8
product innovation	7.1	6.7
business process innovation	10.3	9.9
-Enterprises with no-technological innovations	23.4	24.5
organizational innovation	20.0	20.9
marketing innovation	12.0	13.0

Innovative companies by branch of activity

The branches of activity that had the highest percentage of innovative companies in the 2015-2017 period were *R&D Services* (84.7%), *Pharmacy* (78.1%) and *Petroleum* (75.0%).

Innovative companies by branch of activity. 2015-2017 Period. Percentage



Data review and update

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

Methodological note

The main objective of the Innovation in Companies 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 (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.).

Type of survey: annual continuous survey.

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

Sample size: Approximately 25,000 businesses

Method of Collection: 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/dyngs/INEbase/es/operacion.htm?c=Estadistica_C&cid=1254736176755&menu=metodologia&idp=1254735576669

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