



## Internal R&D Activities Expenditure. 2018

Implementing Sector*	Millions of euros	%	Expenses in internal R&D (% GDP)	Interannual variation%*
<b>Total</b>	<b>14,945.7</b>	<b>100.0</b>	<b>1.24</b>	<b>6.3</b>
Businesses and IPSFL*	8,484.3	56.8	0.71	9.3
Higher Education	3,946.2	26.4	0.33	3.6
General Government	2,515.2	16.8	0.21	0.8

\* Private non-profit institutions.

## R&D expenditure by enterprises increased by 9.3%

According to the Statistics on scientific research and technological development (R&D) activities, the expenditure on internal research and development was estimated at nearly 15,000 million euros in 2018. Of this, 56.8% was implemented within the business sector and non-profit institutions.

In relative terms, this expenditure represented 1.24% of the Gross Domestic Product.

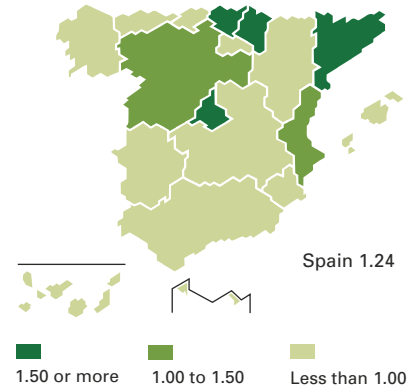
## Innovation in one in five enterprises

For its part, the Business Innovation Survey estimates total expenditure on innovative activities in 2018 at 18,689 million euros.

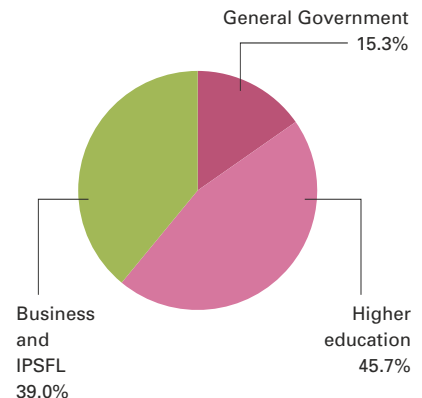
The communities with the highest spending are Comunidad de Madrid (31.3% of the national total), Cataluña (26.5%) and País Vasco (9.1%).

In the 2016-2018 period, one in five Spanish enterprises were innovative.

## Internal R&D expenditure. 2018 % over the regional GDP

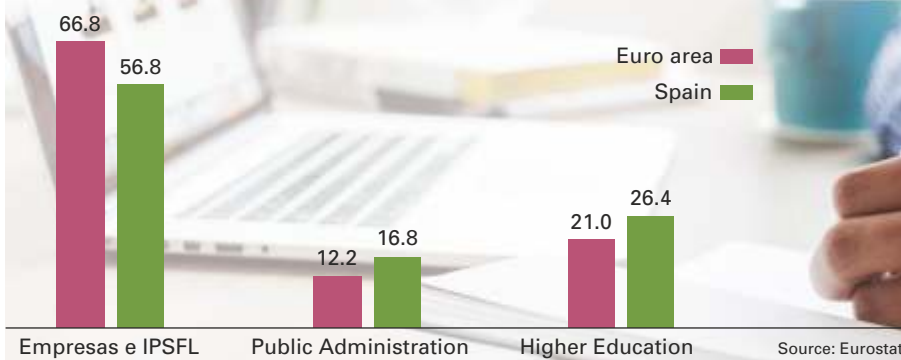


## Researchers by sector of expenditure execution on internal R&D. 2018

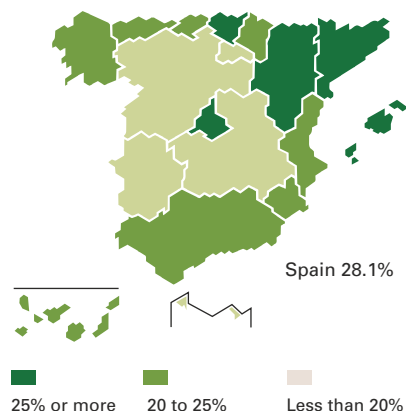


\* In full-time equivalency.

## Distribution of internal R&D expenditure by execution sector 2018



### Enterprises that buy cloud services. 2019



### Use of ICT in enterprises with 10 or more employees

First quarter of 2019

	%	Variation in enterprises points
Personnel using computers for business purposes	60.4	0.3
Personnel using computers connected to the Internet for business purposes	53.5	1.0
Enterprises that employ ICT specialists	17.4	-1.8
Enterprises with internal security systems	92.8	5.5
Enterprises with internet connection which	98.4	-0.3
- Website/website*	78.2	0.0
- Mobile broadband*	84.1	2.6
- Use digital signature*	80.6	3.9
- Use social media*	52.9	1.1
- Buy cloud services*	28.1	4.9
- Use targeted advertisinga*	26.7	3.9

\* % of total enterprises with an Internet connection.

### E-commerce sales\*. 2018

% of turnover

European Union	17
Ireland	35
Belgium	32
Czechia	29
Sweden	24
Denmark	23
Hungary	23
France	22
Slovakia	21
Finland	21
United Kingdom	19
Portugal	18
<b>Spain</b>	<b>17</b>
Eslovenia	17
Estonia	15
Luxembourg	15
Netherlands	15
Poland	15
Germany	14
Austria	14
Lithuania	13
Croatia	12
Italy	11
Romania	9
Latvia	6
Bulgaria	5
Greece	4
Cyprus	4
Malta	:

\* Enterprises with 10 or more employees, excluding the financial sector.

Source: Eurostat

### 28.1% of enterprises use cloud services

Three out of five employees in enterprises with 10 or more workers use computers for business purposes and more than half used computers with an Internet connection in the first quarter of 2019.

Compared to the same period the previous year, there has been a notable increase in the percentage of enterprises that have internal security systems for the management of their Information and Communication Technologies (ICT), and those that buy cloud services through Internet (92.8% and 28.1% of the total, respectively).

### ICT sector enterprises purchase the most

33.9% of enterprises with 10 or more employees made purchases by e-commerce and 20.4% sell using e-commerce. Enterprises making e-commerce sales predominate in the accommodation services sector (88.6%), while this making e-commerce purchases predominate in the ICT sector (63.3%).

