

21 December 2023

**Environmental accounts: Environmental goods and services**  
Advance data 2022

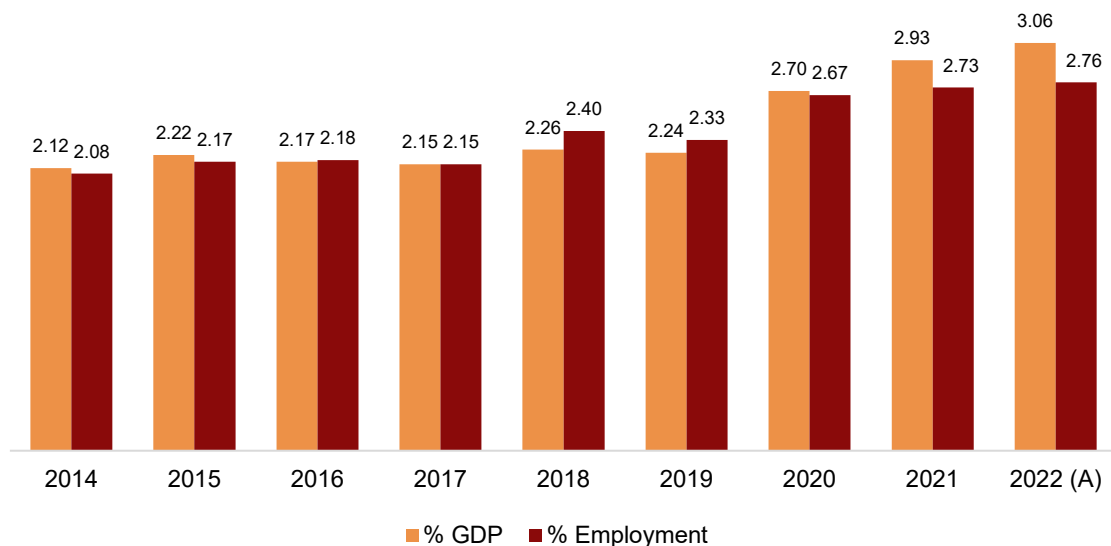
**The Gross Value Added of the environmental economy rose by 15.0% in 2022 and represented 3.06% of the GDP**

**The environmental economy generated 531.0 thousand jobs, 2.76% of the total economy**

The environmental economy, defined as the value of the activities associated with the protection of the environment and the management of natural resources, increased by 15.0% in 2022 compared to the previous year. This represented 3.06% of the Gross Domestic Product (GDP), compared to 2.93% in 2021.

Employment generated by environmental activities accounted for 2.76% of the total, 0.03 points more than in the previous year.

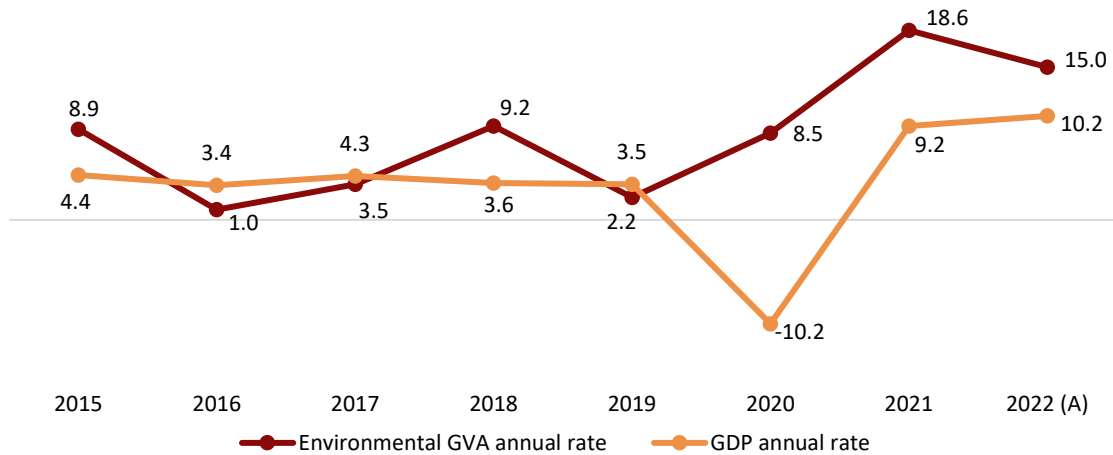
**GVA and environmental employment (percentages of GDP and total employment)**



The Gross Value Added (GVA) associated with the production of environmental goods and services (hereinafter environmental GVA) stood at 41,205.8 million euros, 15.0% more than in the previous year, while the Gross Domestic Product (GDP) increased by 10.2%.

**Annual change in GDP and environmental GVA**

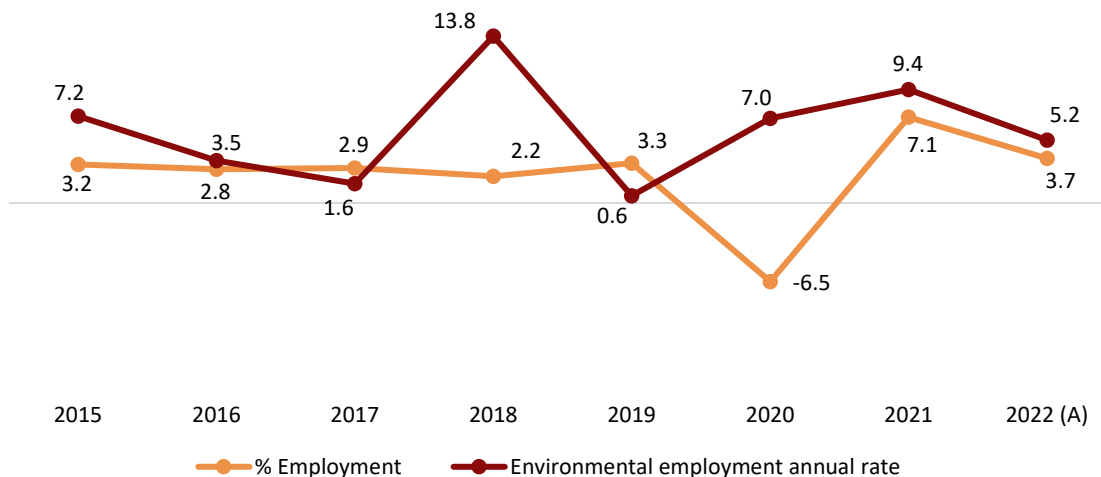
Percentage



In 2022, environmental employment amounted to 531.0 thousand full-time equivalent jobs, an increase of 5.2% over the previous year. On the other hand, total employment in the economy rose by 3.7% that year.

**Annual variation of total employment and environmental employment**

Percentage



The variables included in the Environmental Goods and Services Sector (EGSS) Account are classified according to the domain of the affected environment and by economic activities.

## Results by environmental domains

The domains with the greatest weight over the total environmental GVA generated in 2022 were *Energy production through renewable sources* (41.2% of the total) and *Saving and management of energy and/or heat* (19.2%).

### GVA by environmental domains. 2022

Millions of euros

	GVA	%	Annual rate	Influence on the annual rate
TOTAL	41,205.8	100.0	15.0	
Production of energy from renewable sources	16,988.6	41.2	24.3	9,265
Heat/Energy saving and management	7,898.3	19.2	9.3	1,882
Waste management	6,659.7	16.2	8.0	1,371
Wastewater management	2,147.2	5.2	13.6	0,720
Other resource management domains	2,071.0	5.0	13.1	0,669
Other environmental protection domains	1,985.3	4.8	3.3	0,175
Protection and remediation of soil, groundwater and surface water	1,945.5	4.7	-3.3	-0,184
Protection of ambient air and climate	1,510.2	3.7	36.8	1,134

The area of Energy Production through Renewable Sources was the one that contributed the most to the variation rate (9.265 points), whilst Soil, Groundwater and Surface Water Protection and Decontamination had the most negative contribution (-0.184 points).

The environmental domains in which the most employment was generated were Energy/Heat Savings and Management (37.0% of the total) and Waste Management (22.6%).

As for contributions to employment growth, those that contributed the most were Energy and/or Heat Savings and Management (2.074 points) and Waste Management (0.917 points).

### Employment by environmental domains. 2022

Thousands of full-time equivalent jobs

	Employment	%	Annual rate	Influence on the annual rate
TOTAL	531.0	100.0	5.2	
Heat/Energy saving and management	196.4	37.0	5.6	2.074
Waste management	119.9	22.6	4.0	0.917
Protection and remediation of soil, groundwater and surface water	54.9	10.3	4.7	0.489
Production of energy from renewable sources	47.1	8.9	6.3	0.549
Other environmental protection domains	42.8	8.1	6.8	0.538
Other resource management domains	25.0	4.7	4.1	0.197
Wastewater management	27.8	5.2	0.0	0.003
Protection of ambient air and climate	17.1	3.2	14.7	0.433

## Results by economic activities

Activities with the greatest weight in terms of environmental GVA in 2022 were *Electricity, gas, steam and air conditioning supply* (35.5% of the total), as well as *Water supply, sewerage, waste management and remediation activities* (23.4%).

*Electricity, gas, steam and air conditioning supply* had the greatest contribution to the growth rate (8.534 points). On the other hand, *Agriculture, livestock, forestry and fishing* fell the most (-0.122 points).

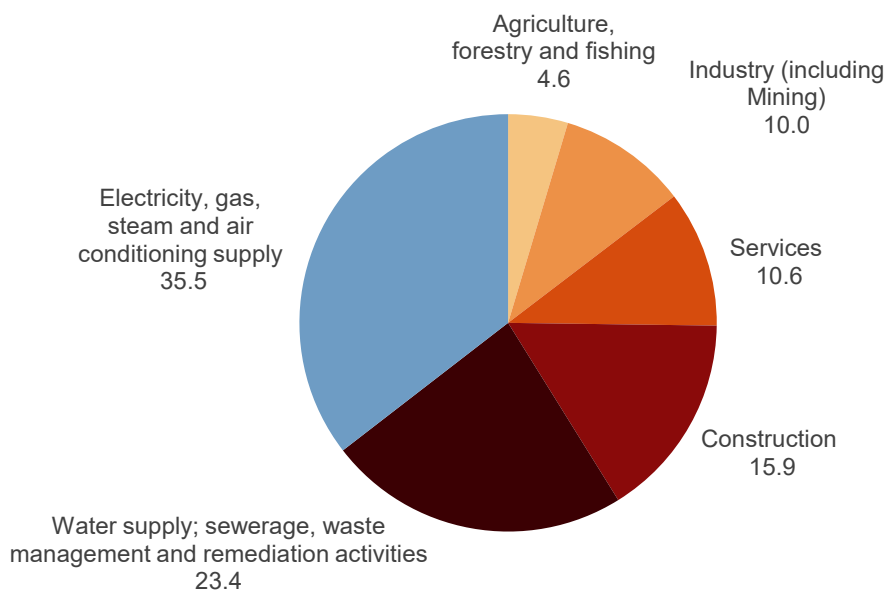
### Environmental GVA by economic activities. 2022

Millions of euros

	GVA	Annual rate	Influence on the annual rate	% GDP <sup>1</sup>
TOTAL	41,205.8	15.0		3.06
Electricity, gas, steam and air conditioning supply	14,613.1	26.5	8,534	49.66
Water supply; sewerage, waste management and remediation activities	9,638.3	11.9	2,858	70.33
Construction	6,566.1	9.2	1,544	10.43
Services	4,357.9	5.5	0,631	0.53
Industry (including Mining)	4,123.0	16.0	1,587	2.90
Agriculture. Forestry and fishing	1,907.4	-2.2	-0,122	5.72

<sup>1</sup> Percentage of GDP for the total. Percentage of GVA for economic activities.

### Environmental GVA by economic activities. 2022. Percentage



The economic activities with the highest environmental employment were *Construction* and *Water supply, sewerage, waste management and remediation activities*, with 183.0 and 139.2 thousand jobs, respectively.

*Construction* was the activity that contributed the most to the employment growth rate (2.111 points). In turn, *Electricity, gas, steam and air conditioning supply* registered the highest annual increase, of 13.8%.

## Environmental employment by economic activities. 2022

Thousands of full-time equivalent jobs

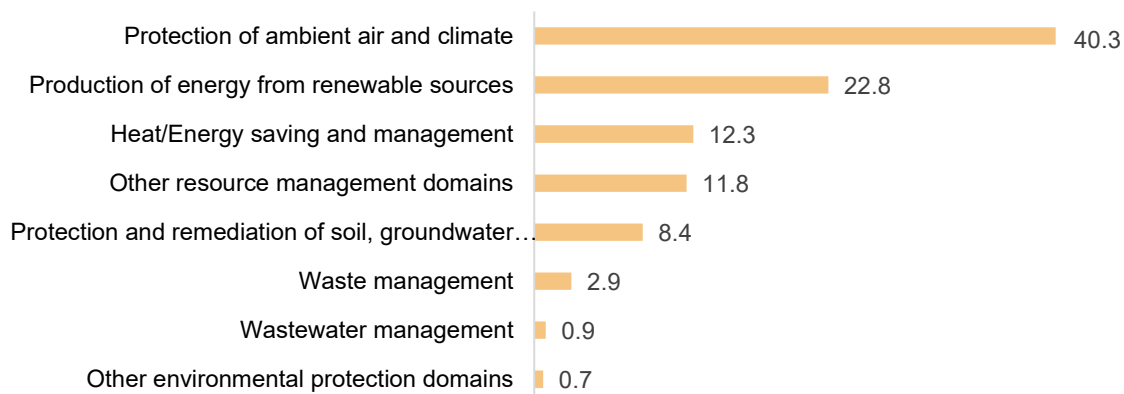
	Employment	Annual rate	Influence on the annual rate	% Employment
TOTAL	531.0	5.2		2.76
Construction	183.0	6.2	2,111	13.77
Water supply; sewerage, waste management and remediation	139.2	2.6	0,690	73.53
Services	92.7	5.3	0,932	0.62
Agriculture. Forestry and fishing	55.5	4.8	0,507	7.99
Industry (including Mining)	50.2	7.7	0,709	2.60
Electricity, gas, steam and air conditioning supply	10.4	13.8	0,250	26.86

## Exports

The total environmental production rose to 102,940.3 million euros in 2022. Of this figure, 13,623.7 million were earmarked for export, which mean an increase in exports by 27.8% above the previous year.

The areas with the greatest weight in exports were *Air and climate protection* (40.3% of the total) and *Energy production through renewable sources* (22.7%). Exports in these areas mainly include electric vehicles, energy products (biofuels) and capital goods associated with the production of renewable electricity (wind power generators).

## Exports by environmental domains. 2022. Percentage



## Data review and updates

The INE is also publishing the data for the 2019-2022 period today. The data for the 2020, 2021 and 2022 period are provisional and will be revised when the data for 2023 are released. All results are available on INEbase.

## Methodological note

The objective of the Environmental Accounts (EA) is to integrate environmental information into the central system of National Accounts in a coherent way. They include a set of satellite accounts, which are transmitted annually, compiled using the accounting formats applicable to the different sectoral and territorial areas, with a strong use of physical data. They display the interactions between the economy, households and environmental factors.

The Environmental Goods and Services Sector (EGSS) Account presents data on the main variables associated with the production of goods and services whose main objective is the protection of the environment and/or the most efficient management of natural resources, classified by economic activities and environmental domains.

For further information, the methodology can be accessed at:

[INEbase / Agriculture and Environment / Environmental Accounts / Environmental Goods and Services Sector / Latest Data](#)

And the standardised methodological report at:

<https://www.ine.es/dynt3/metadatos/es/RespuestaDatos.html?oe=30089>

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 in the INE and Code of Best Practices](#) on the INE website.

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For further information see **INEbase**: [www.ine.es/en/](http://www.ine.es/en/) Twitter: [@es\\_ine](https://twitter.com/es_ine)

All press releases at: [www.ine.es/en/prensa/prensa\\_en.htm](http://www.ine.es/en/prensa/prensa_en.htm)

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