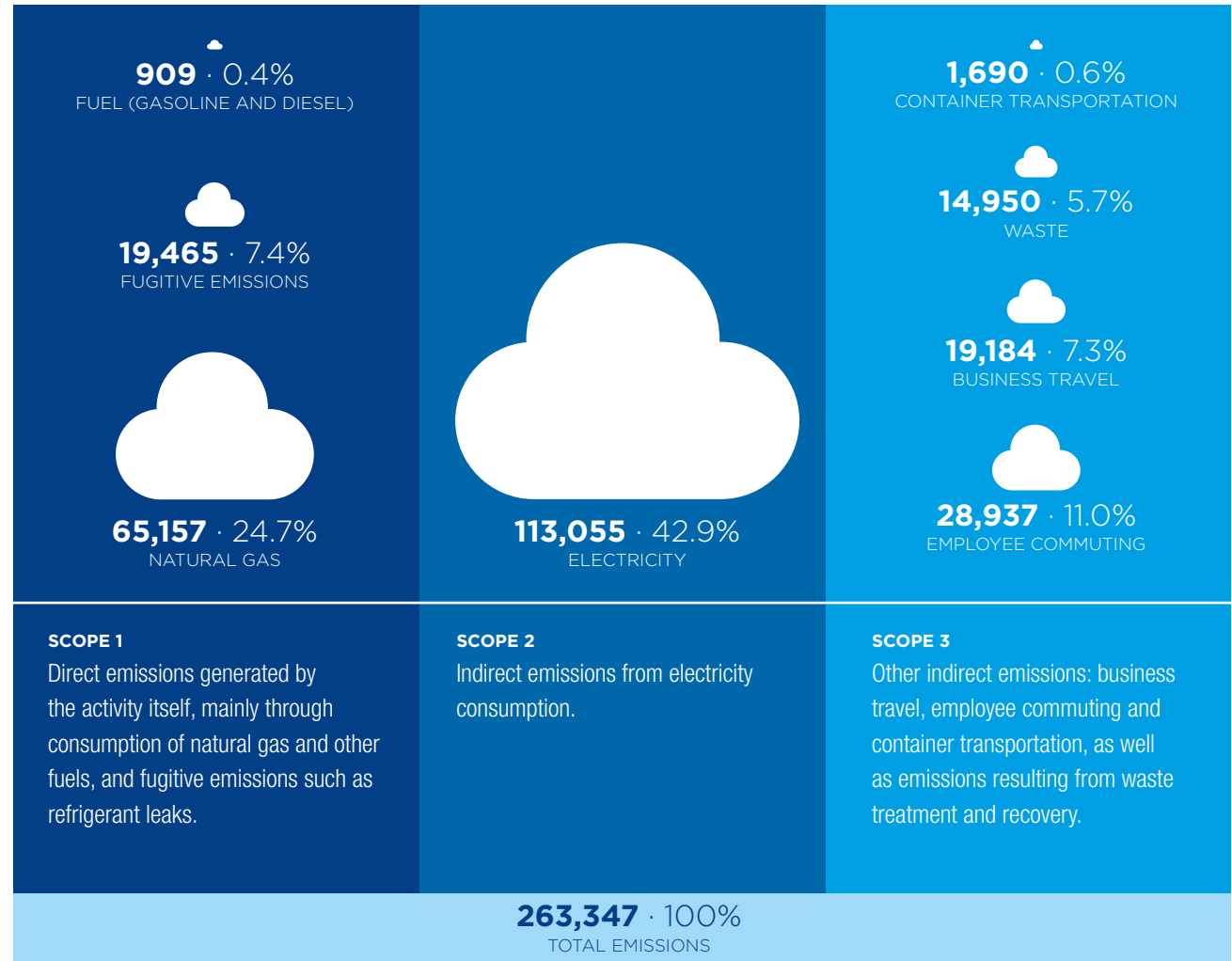


# AIR EMISSIONS

For the fifth consecutive year, Grifols calculated the company's carbon footprint in order to identify the greenhouse gas emissions generated by the various sources, and their impact on climate change.

Calculations are based on [Greenhouse Gas Protocol \(GHG Protocol\) methodology](#), the international standard for measuring and reporting greenhouse gas emissions. In accordance with this methodology, emissions are categorized in three scopes:

## EMISSION BY SOURCE 2015 · t CO<sub>2</sub>e

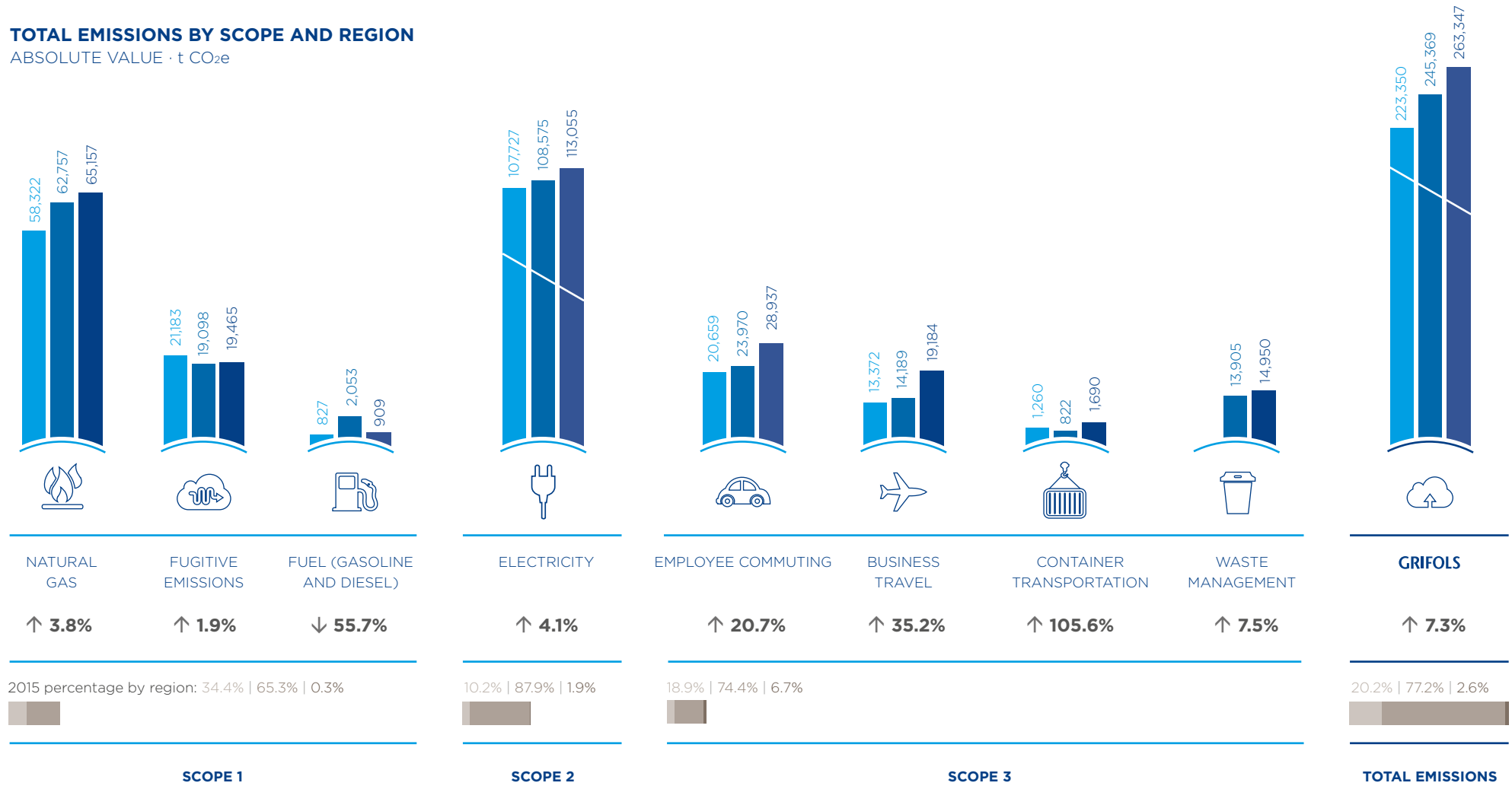


# ENVIRONMENTAL PERFORMANCE

## AIR EMISSIONS

### TOTAL EMISSIONS BY SCOPE AND REGION

ABSOLUTE VALUE · t CO<sub>2e</sub>



2015 percentage by region: ■ SPAIN ■ UNITED STATES ■ REST OF THE WORLD ■ 2013 ■ 2014 ■ 2015

## ENVIRONMENTAL PERFORMANCE

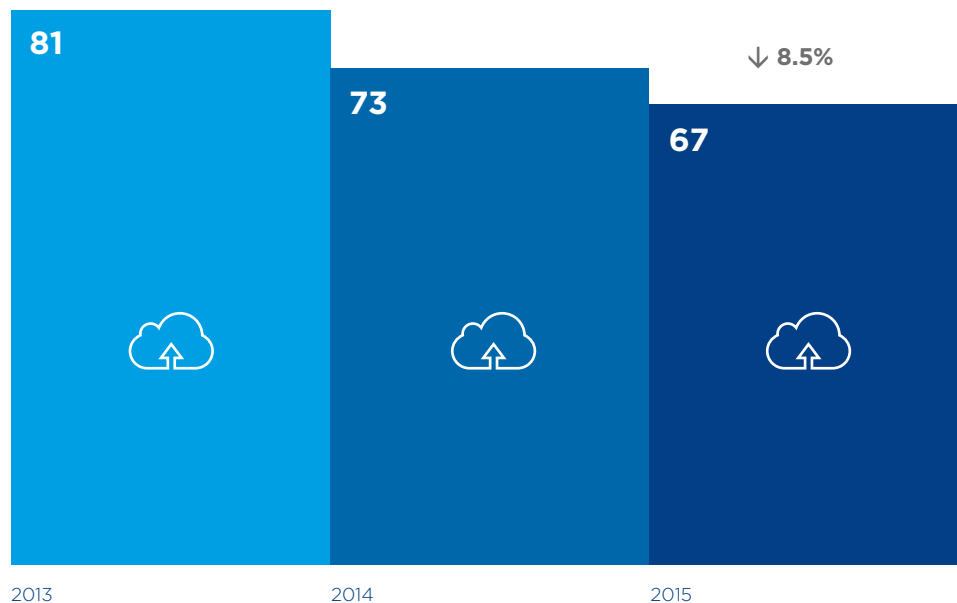
### AIR EMISSIONS

Employee commutes and business travel accounted for the biggest increases in emissions in absolute value.

In 2015, airplane travel rose by 13% over the previous year. In addition, the methodology for calculating emissions generated by flights has changed. Until 2014, the IPCC's tables were used, but in 2015 they were replaced by data provided directly by the airlines.

#### 2015 CO<sub>2</sub> EMISSIONS INTENSITY

total t CO<sub>2</sub>e/million euros






A 7.3% increase in CO<sub>2</sub> emissions in absolute values was recorded compared to 2014. This rise was due to the Bioscience and Diagnostic Division's increases in production, which led to rises in electricity and natural gas consumption, generating increases of 4,480 and 2,400 metric tons of CO<sub>2</sub> emissions, respectively. However, the emissions intensity indicator reveals an 8.5% reduction in emissions relative to revenues over 2014.

In 2015, the primary emissions sources continued to be electricity consumption, at 42.9%, and that of natural gas, at 24.7%.

Overall, 77.2% of greenhouse gases were emitted in the United States, where 73% of employees and 63% of manufacturing are based.

#### REFRIGERANT GASES LEAKS ABSOLUTE VALUE · t

	2013	2014	2015	Variation
 HCFC	9.9	9.2	6.6	↓ 28.6%
 HFC	2.3	2.0	3.8	↑ 88.8%
 OTHERS	0	0.010	0.002	↓ 80.0%
<b>TOTAL</b>	<b>12.2</b>	<b>11.2</b>	<b>10.3</b>	<b>↓ 7.7%</b>

## ENVIRONMENTAL PERFORMANCE

### AIR EMISSIONS




Total leaks of refrigerant gases dropped by 7.7%. This reduction can largely be attributed to the improvements made in preventive equipment maintenance.

Emissions of atmospheric contaminants NO<sub>x</sub>, CO and SO<sub>2</sub> are generated by combustion of natural gas in the boilers belonging to the production centers and the cogeneration plant in Parets del Vallès, Barcelona, and by the fuel used in electric generators. Emissions of these compounds at all production plants are below the limits established by the relevant environmental authorities.

The NO<sub>x</sub> emissions from Grifols' Los Angeles plant are tradable on California's Regional Clean Air Incentives Market (RECLAIM), which works to reduce emissions of this pollutant. This system of allowances sets maximum emission levels for nitrogen oxides at each facility. Grifols did not purchase or sell NO<sub>x</sub> credits on the regional market in 2015.

#### ATMOSPHERIC EMISSIONS

ABSOLUTE VALUE · t

	2014	2015	Variation
 NO <sub>x</sub>	44	53	↑ 19.4%
 CO	19	24	↑ 25.4%
 SO <sub>2</sub>	4	4	0.0%

### CARBON DISCLOSURE PROJECT AND CARBON FOOTPRINT

The [Carbon Disclosure Project \(CDP\)](#) is an independent non-profit organization that manages the world's most extensive database of information on corporate practices in relation to climate change.

Each year, the organization invites international large-capitalization companies to participate in the project. The companies provide information identifying their risks and opportunities in the face of climate change, together with an action plan with concrete measures aimed at reducing the possible consequences of this environmental problem.

In the *CDP Iberia 125 report* for 2015, which analyzes information from 2014 for the 125 biggest companies on the Iberian Peninsula, Grifols was once again the highest-ranked company in the healthcare sector in Spain and Portugal. In addition, Grifols' rating improved to 97 out of 100, putting it in performance band B (out of a total of five bands, with A being the highest band).

Access to this information, which is of a non-financial nature, provides an evaluation tool for investors and representatives to evaluate the listed companies' strategies, plans and objectives for reducing emissions, and their achievements in a given period.