



# **Inventory of Emissions**

**Banco Sabadell Group 2016**

## Environmental sustainability

Banco Sabadell has a long-term mission and approach also about sustainability. This is why Banco Sabadell has an environmental policy in place, is a signatory to the main international covenants on the environment and promotes a commitment to the environment globally.

The environment policy pursues the following objectives:

- Minimize the potential environmental impacts of processes, facilities and services.
- Effectively manage the environmental risks and opportunities inherent in the business.
- Promote a global commitment to the environment.

Banco Sabadell is a signatory to the Carbon Disclosure Project (CDP) and has adopted the commitment to combat climate change. In 2015, it was set a new goal of reducing CO<sub>2</sub> emissions by 3% between 2015 and 2020. To achieve this, each year the bank will implement energy efficiency measures at its facilities and in its services. This policy is particularly relevant with regard to procuring electricity from renewable sources, which resulted in a 99.56% decline in scope 2 emissions with respect to 2014.

Banco Sabadell has an environmental management system (EMS) which was set up in 2006 in accordance with the ISO 14001:2004 standard and has been certified for six Central Services buildings. 16.05% of employees in Spain work in one of the six certified Central Service buildings. In parallel, the EMS has been progressively adapted to the bank's other workplaces in Spain.

Year after year, Banco Sabadell works to improve the eco-efficiency of its facilities and reduce the environmental impacts of the services it provides to customers.

### T1 Inventory of emissions

Tons of CO <sub>2</sub>	<b>2016</b>	2015	2014
Scope 1: fuel and fleet	<b>648</b>	600	552
Scope 2: electricity consumption	<b>54</b>	3,321	12,890
Scope 3: Business trips	<b>3,477</b>	3,862	3,143
<b>Total</b>	<b>4,179</b>	7,783	16,585
Total per employee	0.2	0.5	1.0

Inventory of emissions in accordance with "The GHG Protocol. A Corporate Accounting Standard, revised edition", using the operational control and centralised roll-up methods. National scope data.

## SCOPES DETAILED

### Scope 1

T2 Scope 1 detailed	2016	Base Unit	Emission Factor	Emission Source Unit	Source Unit	2016 (tn CO <sub>2</sub> )	2015 (tn CO <sub>2</sub> )
Gasoil consumption	193	GJ	74.10	ton CO <sub>2</sub> /TJ	Spain, Inventory Report GEI 1990-2014 (2016)	<b>14.29</b>	22.56
Propane gas consumption	41	GJ	63.10	ton CO <sub>2</sub> /TJ	Spain, Inventory Report GEI 1990-2014 (2016)	<b>2.62</b>	3.37
Natural gas consumption	8,228	GJ	56.10	ton CO <sub>2</sub> /TJ	Spain, Inventory Report GEI 1990-2014 (2016)	<b>461.59</b>	347.36
Company vehicle fleet	1,058	Thousand Km	0.16	kg CO <sub>2</sub> /P.km	DEFRA 2016 (Government GHG Conversion Factors for Company Reporting)	<b>169.20</b>	226.42
Total Scope 1: fuel and fleet						<b>647.70</b>	599.71
Total per employee						<b>0.04</b>	0.04

The data refers to business trips, not to commutes. National scope data.

### Scope 2

Banco Sabadell promotes initiatives that involve a reduction in energy consumption as use low wattage lamps and billboard lighting systems with daylight switching systems, lights with presence detectors and LED bulbs or "thin client" computers which consume 90% less energy.

In 2016, 99.84% of electricity is procured from Nexus Renovables, which guarantees that 100% of its energy is sourced from renewables, as a result of this, the CO<sub>2</sub> tonnes emissions has reduced in scope 2.

T3 Scope 2 detailed	2016	Base Unit	GJ	Emission Factor	Emission Source Unit	Source Unit	2016 (tn CO <sub>2</sub> )	2015 (tn CO <sub>2</sub> )
Electricity delivered by Nexus Renovables	89,668	Mwh	322,805	0.00	kg CO <sub>2</sub> /kwh	Certificate of guarantees origin 100% renewable for Banco Sabadell issued by Nexus Energia, SA	<b>0.00</b>	0.00
Electricity delivered by Iberdrola Generación	2.97	Mwh	10.692	0.21	kg CO <sub>2</sub> /kwh	Spain's National Energy Comission "REPORT ON ELECTRICITY GUARANTEES OF ORIGIN AND LABELLING FOR 2015"	<b>0.62</b>	3,283.67
Electricity delivered by others	134	Mwh	483	0.40	kg CO <sub>2</sub> /kwh	Spain's National Energy Comission "REPORT ON ELECTRICITY GUARANTEES OF ORIGIN AND LABELLING FOR 2015"	<b>53.62</b>	37.28
Total Scope 2: electricity consumption							<b>54.24</b>	3,320.95
Total Scope 2: electricity consumption						GJ		
Total per employee							<b>0.003</b>	0.20

National scope data.

#### T4 Source of acquired electricity

Energy Source	2016	
	GJ	%
Renewables	322,879	99.87%
High-efficiency cogeneration	0	0.00%
Cogeneration	59	0.02%
Natural gas-fired combined cycle	82	0.03%
Coal-fired	127	0.04%
Oil/gas-fired	11	0.00%
Nuclear	131	0.04%
Other	9	0.00%
<b>Total</b>	<b>323,298</b>	<b>100.00%</b>

In 2016, Banco Sabadell acquired 99.84% of its electricity from NEXUS RENOVABLES, S.L., 0.003% from IBERDROLA GENERACION, S.A.U. and the other 0.15% from other generic generators. This breakdown is based on the "Report on electricity guarantees of origin and labelling for 2015" published by Spain's National Energy Commission and the certificate of guarantees of origin 100% renewable for Banco Sabadell issued by Nexus Energia, SA. National scope data.

#### Scope 3

Banco Sabadell considers environmental protection and cost rationalization, preference is given to the means of transport that emit the least CO<sub>2</sub>.

The Group also encourages videoconferencing for meetings and one-on-ones, and the use of virtual learning communities and lengthening stays destination instead separate trips.

Banco Sabadell promotes the use of the train instead of the plane. For GEI emissions calculation, the bank distinguishes between journeys of more than 500 km and less than 500 Km.

T5 Scope 3 detailed	2016	Base Unit	Emission Factor	Emission Source Unit	Source Unit	2016 (tn CO <sub>2</sub> )	2015 (tn CO <sub>2</sub> )
Short plane trips	5,531	Thousand Km	0.13	kg CO <sub>2</sub> /P.km	DEFRA 2016 (Government GHG Conversion Factors for Company Reporting)	<b>719.05</b>	869.53
Long plane trips	10,291	Thousand Km	0.09	kg CO <sub>2</sub> /P.km	DEFRA 2016 (Government GHG Conversion Factors for Company Reporting)	<b>926.15</b>	998.59
Train trips	5,765	Thousand Km	0.02	kg CO <sub>2</sub> /P.km	Renfe CSR Report 2015	<b>138.36</b>	109.14
Vehicle trips (except company vehicles)	10,582	Thousand Km	0.16	kg CO <sub>2</sub> /P.km	DEFRA 2016 (Government GHG Conversion Factors for Company Reporting)	<b>1,693.15</b>	1,885.90
<b>Total Scope 3 : business trips</b>						<b>3,476.71</b>	3,862.17
<b>Total per employee</b>						<b>0.21</b>	0.23

The data refers to business trips, not to commutes. Includes trips by plane, train, private vehicles and the group fleet. National scope data.

The information in this report refers to the Group's activity in Spain during 2016 and complete the corporate emissions inventory table information included in Corporate Social Responsibility Policy Report 2016 published in the website Group. This publication includes the independent limited assurance report issued by PricewaterhouseCoopers Auditors, S.L. of certain CSR key indicators, in accordance to ISAE 3000 (Revised), taking in consideration some indicators like CO<sub>2</sub> emissions and energetic consumption, among others.