

4.2.2 NON-FINANCIAL INDICATORS

Saint-Gobain has placed CSR at the heart of its strategy and wishes to transparently communicate its non-financial performance and its progress towards its short-, medium- and long-term objectives.

This communication is part of its dual commitment: minimizing its footprint on human beings and the environment and maximizing its positive contribution to climate, social and societal issues.

Environment

Saint-Gobain acts to reduce its environmental footprint and is committed to achieving carbon neutrality by 2050 thanks to its 2030 CO₂ roadmap:

- Reduction in scope 1 and 2 CO₂ emissions, down to 9.8 million tonnes in 2022, representing a 27% reduction since 2017, in line with the 2030 target of a 33% reduction, validated by the Science-Based Targets initiative (SBTi);
- Growth decoupled from CO₂ emissions: carbon intensity per euro of sales and EBITDA fell by 42% and 57% respectively in 2022 compared to 2017, reflecting the Group's objective of maximizing its positive impact for the environment while minimizing its footprint;
- More than half of electricity consumption is generated from decarbonized electricity;
- Energy consumption has been reduced by 3.7% between 2021 and 2022. Considering the impact of energy on carbon emissions, Saint-Gobain favors the transition to decarbonized energies by changing its energy mix.

Objectives	Deadline	2022 data	2021 data	2020 data	Progress
-33% on CO ₂ emissions scopes 1 and 2 between 2017 and 2030 (in absolute value)	2030	-27.0% (9.8 Mt)	-23.0% (10.3 Mt)	N/A (10.4 Mt)	81.8%
-16% on CO ₂ emissions scopes 3 between 2017 and 2030 (in absolute value)	2030	(21.3 Mt) ⁽¹⁾	(21.3 Mt)	(17.4 Mt)	-
-50% on industrial water withdrawals between 2017 and 2030 (in absolute value)	2030	-19.9% (45.0 M of m ³)	-14.0% (48.1 M of m ³)	N/A (45.4 M of m ³)	39.7%
Zero water discharge in area with extremely high water risk	2030	(0.6 M of m ³)	(0.8 M of m ³)	N/A	-
-80% non-recovered waste between 2017 and 2030 (in absolute value)	2030	-36.6% (0.4 Mt)	-24.0% (0.5 Mt)	N/A (0.4 Mt)	45.8%
+30% of virgin raw materials avoided between 2017 and 2030	2030	-4.7% (9.4 Mt)	+1.0% (10.0 Mt)	N/A (9.3 Mt)	15.6%
100% of revenue generated with products covered by verified LCA or EPD, excluding distribution activity, by 2030	2030	47.9%	29.1%	N/A	47.9%
100% of recyclable packaging by 2030 in absolute value	2030	91.10%	69.0%	N/A	91.1%
Bio-sourced or recycled content in packaging (>30%) in 2030	2030	86.3%	N/A	N/A	287.7%
Reduce CO ₂ emissions by 20% (scope 1 +2) at iso-production between 2010 and 2025	2025	-26.0%	(21.7%)	N/A	130.0%
Reduce SO _x emissions by 20% between 2010 and 2025 at iso-production	2025	-67.0% (8,789 t)	-66.1% (8,372 t)	-51.8% (10,276 t)	165.0%
Reduce NO _x emissions by 20% between 2010 and 2025 at iso-production	2025	-33.0% (18,257 t)	-32.4% (16,906 t)	-15.7% (16,988 t)	320.0%
Reduce dust emissions by 20% between 2010 and 2025 at iso-production	2025	-64.0% (4,705 t)	-57.1% (4,731 t)	-53.0% (4,817 t)	285.0%
Reduce energy consumption by 15% between 2010 and 2025 at iso-production	2025	-6.0% (41,854 GWh)	-3.4% (43,461 GWh)	+1.3% (41,020 GWh)	40.0%
Reduce liquid water discharge by 80% between 2010 and 2025 at iso-production	2025	-41.0% (45.0 M of m ³)	-39.8% (48.1 M of m ³)	-31.5% (45.4 M of m ³)	51.3%
Reduce non-recovered waste by 50% between 2010 and 2025 at iso-production	2025	-38.0% (0.4 Mt)	-27.3% (0.5 Mt)	-26.3% (0.4 Mt)	76.0%
100% of the Group's active quarries with a biodiversity management plan by 2025	2025	28.0%	31.0%	N/A	28.0%

⁽¹⁾ 2021 data - not actualized in 2022.

2022 RESULTS AND OUTLOOK FOR 2023

Non-financial results

ENVIRONMENTAL MANAGEMENT	2022	2021	2020	GRI	SDG
Total environmental expenditure, of which:	€217.7 M	€188.1 M	€156.4 M		9; 13
a) Salaries and other payroll expenses for environmental officers	€35.3 M	€30.7 M	€26.6 M		13
b) Environmental certification and renewal costs (ISO 14001, EMAS or ISO 50001)	€2.9 M	€2.5 M	€2.5 M		13
c) Environmental taxes	€11.9 M	€8.8 M	€6.9 M		13
d) Insurance and warranties	€12.2 M	€12.0 M	€11.7 M		13
e) Environmental fines	€0.1 M	€0.5 M	€0.0 M		13
f) Cost of environmental incidents	€1.0 M	€1.4 M	€0.5 M		13
g) Cost of technical measures	€9.7 M	€9.5 M	€9.2 M		13
h) Environmental R&D budget	€129.5 M	€110.7 M	€86.4 M	3-3	9
i) Soil decontamination, site remediation and other clean-up costs	€15.0 M	€11.9 M	€12.6 M		9
Capital expenditure on environmental management measures	€224.0 M	€118.4 M	€91.2 M		13
Provisions for environmental risks	€204.1 M	€189.8 M	€156.1 M		13
Number of serious major Group environmental events or accidents	0	0	0		12
Number of "Environment" certified sites (ISO 14001 and / or EMAS)	608	593	610		
• Proportion of certified sites in scope of consolidation	79.0%	77.0%	77.0%		12; 13; 15
Number of sites certified for Energy management (ISO 50001)	161	152	158		
• Proportion of certified sites in scope of consolidation	23.0%	21.0%	20.0%		7; 12; 13
Number of quality-certified sites	659	630	636		
• Of which ISO 9001	596	568	579		
• Proportion of certified sites (across the total scope)	62.0%	60.0%	60.0%		9; 12; 13
Variation in production in sellable units	+3,4%	+7.9%	+5%		13

GHG EMISSIONS	2022	2021	2020	GRI	SDG
Target to reduce CO ₂ emissions by 20% (scope 1 +2) at iso-production between 2010 and 2025	-26.0%	-21.7%	-12.2%	305-5	12; 13
Total CO ₂ emissions (scopes 1+2)	9.8 Mt	10.3 Mt	10.4 Mt	305-1 & 2	12; 13
Change in total CO ₂ emissions (scopes 1+2)	-0.5 Mt	-0.1 Mt	-0.4 Mt	305-5	12; 13
	-5.1%	-1.0%	-3.7%	305-5	12; 13
Direct CO ₂ emissions (scope 1)	8.4 Mt	8.4 Mt	7.9 Mt	305-1	12; 13
Variation in direct CO ₂ emissions	-0.01 Mt	+0.50 Mt	-0.20 Mt	305-5	12; 13
	-0.1%	+6.4%	-2.0%	305-5	12; 13
Other relevant direct emissions (for the entire Group or the relevant scope) of greenhouse gases, by weight (tons of CO ₂ equivalent)	Not applicable	Not applicable	Not applicable	305-1	12; 13
Indirect GHG emissions (purchases of electricity, steam, hot water) (scope 2)	1.4 Mt CO ₂ -eq	1.9 Mt CO ₂ -eq	2.5 Mt CO ₂ -eq	305-2	12; 13
Change in indirect emissions of greenhouse gases (purchases of electricity, steam, hot water)	-0.5 Mt CO ₂ -eq	-0.6 Mt CO ₂ -eq	-0.1 Mt CO ₂ -eq	305-5	12; 13
	-27.0%	-22.9%	-4.0%	305-5	12; 13
Change in the CO ₂ impact (scope 1+2) on Group revenue (value in 2017: 0,33 kg CO ₂ /€)	0.2 kg CO ₂ /€	0.2 kg CO ₂ /€	0.3 kg CO ₂ /€	305-4	12; 13
Change in the CO ₂ impact (scopes 1+2) on Group Ebitda (value in 2017: 3,17 kg CO ₂ /€)	1.4 kg CO ₂ /€	1.7 kg CO ₂ /€	2.4 kg CO ₂ /€	305-4	12; 13
Other indirect GHG emissions (scope 3)*	21.3 Mt	21.3 Mt	17.4 Mt	305-3	12; 13
Share of revenue generated with products covered by verified LCA or EPD, excluding distribution activity (target : 100% by 2030)	47.9%	29.1%	N/A		12; 13

* Scope 3 calculation methodology aligned with the Science-Based Targets commitment and the 2021 revision including an improvement in the impact assessment (see chapter 3, section 2.1.5.3).

OTHER EMISSIONS INTO THE AIR	2022	2021	2020	GRI	SDG
Target to reduce SOx emissions by 20% between 2010 and 2025 at iso-production	-67.0%	-66.1%	-51.8%	305-7	7; 12; 13
SOx emissions	8,789 t	8,372 t	10,276 t	305-7	7; 12; 13
Target to reduce NOx emissions by 20% between 2010 and 2025 at iso-production	-33.0%	-32.4%	-15.7%	305-7	7; 12; 13
NOx emissions	18,257 t	16,906 t	16,988 t	305-7	7; 12; 13
Target to reduce dust emissions by 20% between 2010 and 2025 at iso-production	-64.0%	-57.1%	-53.0%	305-7	7; 12; 13
Dust emissions	4,705 t	4,731 t	4,817 t	305-7	7; 12; 13

ENERGY	2022	2021	2020	GRI	SDG
Target to reduce energy consumption by 15% between 2010 and 2025 at iso-production	-6.0%	-3.4%	+1.3%	302-4	7; 12
Total energy consumption of entire Group	41,854 GWh	43,461 GWh	41,020 GWh	302-1	7; 12
Change in the impact of energy consumed on Group revenue (value in 2017: 1.12 kWh/€)	0.82 kWh/€	0.98 kWh/€	1.08 kWh/€	302-3	7; 12
Change in total energy consumption	-1,606 GWh -3.7%	2,441 GWh +5.9%	954 GWh -2.3%	302-4	7; 12
Total indirect energy consumption	8,273 GWh	8,389 GWh	8,000 GWh	302-2	7; 12
Change in indirect total energy consumption	-116 GWh -1.4%	+369 GWh +4.6%	+480 GWh -5.7%	302-4	7; 12
Electricity consumption	8,240 GWh	8,309 GWh	7,891 GWh	302-1	7; 12
Consumption of renewable electricity generated on site	25 GWh	21 GWh	14 GWh	302-1	7; 12
Share of carbon-free electricity in total electricity consumption (target: two-fold increase between 2020 and 2021) ²	51.9%	39.2%	18.9%	302-1	7; 12
Consumption of renewable energy (electricity purchases, electricity generated on site and biomass)	4,935 GWh	4,321 GWh	2,412 GWh	302-1	7; 12
Utilities consumption (steam, hot water, etc.)	33 GWh	40 GWh	95 GWh	302-1	7; 12
Total direct energy consumption	33,582 GWh	35,091 GWh	33,020 GWh	302-1	7; 12
Change in direct total energy consumption	-1,509 GWh -4.3%	2,071 GWh +6.3%	474 GWh -1.4%	302-4	7; 12
Coal and coke consumption	2,586 GWh	2,540 GWh	3,422 GWh		7; 12
Natural gas consumption	27,465 GWh	29,505 GWh	27,039 GWh		7; 12
Petroleum products consumption	2,606 GWh	2,022 GWh	1,656 GWh		7; 12
Renewable energy consumption/total energy consumption	11.8%	10.0%	5.9%	302-3	7; 12
Sales outside the Group of renewable electricity generated on site	4 GWh	3 GWh	4 GWh		7; 12
Sales outside the Group of utilities (steam, hot water, etc.) produced on site	1.1 GWh	2.4 GWh	1.2 GWh		7; 12

⁽²⁾ Carbon-free electricity = renewable and nuclear electricity.

2022 RESULTS AND OUTLOOK FOR 2023

Non-financial results

WATER	2022	2021	2020	GRI	SDG
Target to reduce liquid water discharge by 80% between 2010 and 2025 at iso-production	-41.0%	-39.8%	-31.5%	303-4	6; 12
Total water withdrawal	45.0 M of m ³	48.1 M of m ³	45.4 M of m ³	303-3	6; 12
Municipal water withdrawal	15.1 M of m ³	15.3 M of m ³	15.4 M of m ³	303-3	6; 12
Surface water withdrawal	11.0 M of m ³	12.7 M of m ³	11.3 M of m ³	303-3	6; 12
Ground water withdrawal	16.2 M of m ³	17.4 M of m ³	16.2 M of m ³	303-3	6; 12
Water withdrawal from high water stress sites based on Aqeduct 2020 data	4.6 M of m ³	4.7 M of m ³	4.6 M of m ³	303-3	6; 12
Surface water withdrawal on sites with very high water stress (sites with >5,000 m ³ /year) based on Aqeduct 2020 data	2.9 M of m ³	3.0 M of m ³	2.5 M of m ³	303-3	6; 12
Water withdrawal from sites with very high water stress based on Aqeduct 2016 database				303-3	6; 12
Total water discharge	21.6 M of m ³	23.5 M of m ³	23.0 M of m ³	303-4	6; 12
Water discharges into the surrounding environment	14.6 M of m ³	14.9 M of m ³	14.4 M of m ³	303-4	6; 12
Water discharges into the municipal waste water collection system	6.4 M of m ³	7.0 M of m ³	7.1 M of m ³	303-4	6; 12
Water discharge on sites with very high water stress based on Aqeduct 2020 data	0.6 M of m ³	0.8 M of m ³	N/A	303-4	6; 12
Water discharges on sites with high water stress based on Aqeduct 2020 data	1.5 M of m ³	1.5 M of m ³	N/A	303-4	6; 12
Quantity of water reused in production processes through internal recycling systems	230.1 M of m ³	274.3 M of m ³	258.6 M of m ³	303-5	6; 12
Percentage of water reused in production processes through internal recycling systems	84.0%	85.0%	85.0%	303-5	6; 12

CIRCULAR ECONOMY	2022	2021	2020	GRI	SDG
Target to reduce non-recovered waste by 50% between 2010 and 2025 at iso-production	-38.0%	-27.3%	-26.3%	306-4	9; 12; 13
Quantity of waste generated	1.3 Mt	1.4 Mt	1.4 Mt	306-3	9; 12; 13
Quantity of hazardous waste generated	0.1 Mt	0.1 Mt	0.1 Mt	306-3	9; 12; 13
Quantity of non-recovered waste	0.4 Mt	0.5 Mt	0.5 Mt	306-5	9; 12; 13
Quantity of non-recovered hazardous waste	0.0 Mt	0.04 Mt	0.04 Mt	306-5	9; 12; 13
Quantity of waste reused or recycled	0.9 Mt	1.0 Mt	1.0 Mt	306-4	9; 12; 13
Extraction of natural raw materials avoided*	9.4 Mt	10.0 Mt	10.0 Mt	301-1	9; 12; 13
Recycled materials included in the product	8.5 Mt	8.2 Mt	8.2 Mt	301-2	9; 12; 13
Percentage of recyclable packaging (target of 100% in absolute value by 2030)	91 %	69%	N/A	301-1	9; 12; 13

* New methodology in 2021.

BIODIVERSITY	2022	2021	2020	GRI	SDG
Percentage of the Group's active quarries with a biodiversity management plan (target of 100% by 2025)	28%	31%	N/A	304-1	15