

Risk	Prevention and mitigation measures implemented by the Group	Results
<b>Risks of environmental damage</b>		
<b>Contribution and vulnerability to climate change</b>	<b>Combating food waste:</b> Implementation of a variety of solutions to: <ul style="list-style-type: none"> <li>improve stock and order management, with a top-40 ranking of products by value or breakage rate. Use forecast sales and production schedules adjustable for weather and other external events;</li> <li>promote short-dated products, with 30% to 60% markdowns, and sell products up to one month beyond the best-before date. Internal tools are put in place to enable us to go further: weekly alerts on items at risk of being wasted are sent to all store directors and managers in order to prevent the risk and trigger initiatives to move such products in stores;</li> <li>donate or sell at a discount unsold products to food banks, partnership with Too Good To Go, etc.;</li> <li>recover products that cannot be sold or donated and reuse them as biowaste.</li> </ul>	<p>Percentage reduction in food waste (vs. 2016): <b>2022: -39.9%</b> <b>2021: -28%</b> <b>Change: +11.9 pts</b></p> <p>Percentage of food waste recovered: <b>2022: 57.8%</b> <b>2021: 53.2%</b> <b>Change: +4.6 pts</b></p> <p>Number of meal equivalents of unsold products donated to food aid associations (<i>in millions of meals</i>): <b>2022: 45.6</b> <b>2021: 44.1</b> <b>Change: +3.4%</b></p> <p>Number of baskets sold with TGTG: <b>2022: 3,437.8</b> <b>2021: 3,449.5</b> <b>Change: -0.3%</b></p>
	<b>Helping stores become carbon neutral:</b>	Change in Scope 1 and Scope 2 CO <sub>2</sub> emissions since 2019: <b>2022: -29%</b> <b>2021: -25.4%</b> <b>Change: +3.6 pts</b>
	<p><b>1. energy efficiency:</b> teams in Group host countries were issued a list of five priority actions and technology recommendations for their stores: doors for refrigeration units operating at 0°C to 8°C; electronic speed controllers; low-consumption LED lighting; submetering systems; and phase-out of high warming potential HFC refrigerants for cooling systems.</p> <p>In France, Carrefour has joined the signatories of the EcoWatt Charter, which offers actionable ways to lower electricity use during peak demand;</p>	Total GHG emissions by source ( <i>in thousands of tonnes of CO<sub>2</sub> equivalent</i> ): <b>2022: 1,507</b> <b>2021: 1,583</b> <b>Change: +4.1%</b>
	<p><b>2. reducing refrigerant emissions:</b> Teams in Group host countries have been issued with a list of five priority in-store action and technology recommendations: phasing out high-impact HFC refrigerants for cooling systems, installing doors for cooling systems to limit refrigerant leaks, and using electronic speed controllers, low-power LED lighting and sub-metering systems. The Group is committed to reducing refrigerant-related CO<sub>2</sub> emissions by 2025 (versus 2010) by phasing out hydrofluorocarbon (HFC) refrigerants and limiting refrigerant leakage;</p> <p><b>3. using electricity from renewable sources:</b> increasing the Group's on-site production of renewable energies. 10% of the energy consumption (21 GWh) of stores equipped with photovoltaic systems will be covered by the initiative.</p> <p>Integrated stores in France, Italy and Belgium have been certified ISO 50001.</p>	<p>Scope 1 (refrigerants, gas and heating oil) (<i>in thousands of tonnes of CO<sub>2</sub> equivalent</i>): <b>2022: 582</b> <b>2021: 575</b> <b>Change: +1%</b></p> <p>Scope 2 (electricity) (<i>in thousands of tonnes of CO<sub>2</sub> equivalent</i>): <b>2022: 631</b> <b>2021: 701</b> <b>Change: -10%</b></p> <p>In-store renewable electricity consumption (<i>kWh per sq.m. of sales area</i>): <b>2022: 1.9</b> <b>2021: 1.5</b> <b>Change: +22%</b></p>
<b>Goods transport:</b> Optimising logistics arrangements, distribution activities and non-retail activities to limit their environmental impact. In France, Carrefour is modernising its fleet and developing PIEK-certified trucks running on biomethane that generate less pollution and noise (under 60 dB).	Number of trucks running on biomethane: <b>2022: 710</b> <b>2021: 600</b> <b>Change: +18.3%</b>	