

CARREFOURSA CARREFOUR SABANCI TİCARET MERKEZİ A.Ş. - Climate Change 2021

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C0. Introduction

C0.1

(C0.1) Give a general description and introduction to your organization.

The Retail Group of Carrefour is currently the leader of Europe and the pioneering retail chain of the world with about 12 thousand of stores and 321 thousand employees in 30 countries. Laying the foundation of modern retailing by opening its first store in France on 15.06.1963, Carrefour introduced the concept of hypermarket to Turkish consumers with its first store opened in İçerenköy, Turkey in 1993 and it took the name of CarrefourSA as a result of its joint venture with Sabancı Holding, being one of the largest groups in Turkey, in 1996.

In 2013, the management of CarrefourSA was transferred to Sabancı Holding and a new strategy was started to be followed in the Turkish organized retail industry. In 2017, CarrefourSA introduced its Lezzet Arası restaurant, being the first in Turkey, to its customers where a gastronomic freedom is offered against market prices. It maintained the year of 2020 starting with the vision of "New Generation Supermarket" based on its mission of the right product, the right producer, the right price and the right service and the communication strategy of "The Right Ones are at CarrefourSA". It has focused on e-commerce operations in 2020 and improved its activities and service quality.

Today, CarrefourSA provides service to its 500 thousand of customers per day with 11 warehouses, 705 stores and 11.000 employees in 41 cities and it has approximately over than 7 million of visitors in its online supermarket CarrefourSA.com and it delivers the orders of 300 thousand of customers to their addresses per month.

C0.2

(C0.2) State the start and end date of the year for which you are reporting data.

	Start date	End date	Indicate if you are providing emissions data for past reporting years	Select the number of past reporting years you will be providing emissions data for
Reporting year	January 1 2020	December 31 2020	Yes	3 years

C0.3

(C0.3) Select the countries/areas for which you will be supplying data.

Turkey

C0.4

(C0.4) Select the currency used for all financial information disclosed throughout your response.

TRY

C0.5

(C0.5) Select the option that describes the reporting boundary for which climate-related impacts on your business are being reported. Note that this option should align with your chosen approach for consolidating your GHG inventory.

Operational control

C1. Governance

C1.1

(C1.1) Is there board-level oversight of climate-related issues within your organization?

Yes

C1.1a

(C1.1 a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for climate-related issues.

Position of individual(s)	Please explain
Chief Executive Officer (CEO)	CEO is ultimate responsible for all sustainability issues including climate-change as this issue has already been identified as a significant topic .
Other C-Suite Officer	Assistant General Manager of Human Resources and Sustainability (CHRS) chairs the CarrefourSA Sustainability Committee.
Board Chair	The Sustainability Leadership Committee of Sabancı Holding reports to our Chairman of the Board on sustainability issues covering all group companies, including CarrefourSA.

C1.1b

(C1.1b) Provide further details on the board's oversight of climate-related issues.

Frequency with which climate-related issues are a scheduled agenda item	Governance mechanisms into which climate-related issues are integrated	Scope of board-level oversight	Please explain
Scheduled – all meetings	Reviewing and guiding strategy Reviewing and guiding major plans of action Reviewing and guiding risk management policies Reviewing and guiding annual budgets Reviewing and guiding business plans Setting performance objectives Monitoring implementation and performance of objectives Monitoring and overseeing progress against goals and targets for addressing climate-related issues	<Not Applicable >	The CEO has annual personal goals linked to climate change. These goals are: "measuring scope 1 and scope 2 emission values and confirming their accuracy by external auditing + 5% reduction in emissions per unit sales area compared to the previous year", "achieving C score in the CDP climate change program and B score in the water security program", "10% reduction in the use of plastic for the office compared to the previous year". These goals are reviewed at the midterm evaluation meeting The Sustainability Committee was established and authorized with the approval of the CSA Executive Board which hold meetings on a monthly basis. Committee members are Human Resources, Sales, Corporate Communications, Logistics, Purchasing, Maintenance, IT etc. Sub-committees have also been established to support the implementation of the Committee's decisions and projects. Names of sub-committees linked to climate change are: Climate Change, Water Management, Waste Management, Food Waste Management, Green Finance, Risk Management. The Committee reports to the CSA Executive Board regarding all its activities.

C1.2

(C1.2) Provide the highest management-level position(s) or committee(s) with responsibility for climate-related issues.

Name of the position(s) and/or committee(s)	Reporting line	Responsibility	Coverage of responsibility	Frequency of reporting to the board on climate-related issues
Other, please specify (Occupational Health and Safety, Environment, Quality Assurance and Sustainability Group Manager)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	More frequently than quarterly
Other, please specify (Technical Procurement and Maintenance Group Manager)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Annually
Sustainability committee	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	More frequently than quarterly
Chief Executive Officer (CEO)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Annually
Risk committee	<Not Applicable>	Assessing climate-related risks and opportunities	<Not Applicable>	Quarterly
Other C-Suite Officer, please specify (Senior vice president of human resources and sustainability)	<Not Applicable>	Assessing climate-related risks and opportunities	<Not Applicable>	Half-yearly
Other, please specify (Sustainability Leadership Committee)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Half-yearly
Other, please specify (Thematic Task Force on Climate Crisis)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Half-yearly

C1.2a

(C1.2a) Describe where in the organizational structure this/these position(s) and/or committees lie, what their associated responsibilities are, and how climate-related issues are monitored (do not include the names of individuals).

These roles directly report to related executive committee members. They also oversee teams of people who are working on these issues daily basis.

The Duties and Responsibilities of the Sustainability Committee, which reports to the Executive Board, are as follows:

- Creating the sustainability strategy, goals, road maps and policies,
- Carrying out studies and developing projects in order to integrate sustainability,
- To follow national and international developments on sustainability,
- To direct the sustainability strategy and policy by managing risks in social, environmental and corporate governance issues,
- To follow the company's road map and developments related to sustainability, to set targets, to determine performance criteria in this direction, to monitor the performance in line with the targets and to ensure the active participation of all relevant units in the process,
- Authorizing and coordinating the sub-committees formed within the scope of the studies,
- Reviewing the sustainability policy, objectives, practices, working principles and management systems regularly and presenting them to the Executive Board for approval when necessary to reorganize, execute, monitor and audit,
- To ensure that all employees are informed in line with the sustainability policy and targets and to work towards the internalization of these policies,
- Ensuring stakeholder engagement for all stakeholders on sustainability strategy, policy and practices,
- Ensuring that the work outputs coincide with the sustainability policies and expectations.

HSEQCS Group Manager reporting to the Assistant General Manager is responsible for the coordination, secretariat and follow-up of the works of the Sustainability Committee. He also takes part in the determination of climate-related strategic focus areas, the development and implementation of the strategy. He is also responsible for providing opinions to policy makers on emerging climate change-related legislation through the Legal Department.

The Sustainability Leadership Committee ensures that the Sabancı Holding and group companies, including CarrefourSA, are aligned on their sustainability goals and actions. The committee is also responsible for monitoring the progress in the goals and actions included in the Group's Sustainability Roadmap and monitoring the efforts to manage risks that may adversely affect the reputation and activities of Sabancı in ESG areas. It monitors international developments, public regulations and trends in sustainability and advises the

Thematic Task Forces as needed. The Committee encourages the dissemination of expertise and good practices among Group companies.

Technical Procurement and Maintenance Group Manager is responsible for the planning, budgeting, follow-up, implementation of energy saving projects and maintenance & repair works and monitoring the rate of renewable energy supplied. He follows trends and developments in the Transition to Low Carbon Economy and Efficiency Working Group of BCSD Turkey.

Early Detection of Risk Committee; It is responsible for the early detection of risks that may endanger the existence, development and continuation of the company, taking necessary precautions regarding the identified risks, and conducting studies to manage the risk, and reviews the risk management systems at least once a year. (Any opportunity or threat that may affect CarrefourSA's achievement of its strategic, financial, operational and legal compliance targets is defined as "risk".)

C1.3

(C1.3) Do you provide incentives for the management of climate-related issues, including the attainment of targets?

	Provide incentives for the management of climate-related issues	Comment
Row 1	Yes	The annual key performance indicators of the CEO, some of the relevant managers and employees include climate change-related targets. Those targets and KPI's are also reflected in executive committee members' performance charts. Also, The Golden Collar awards are organized every year by Sabancı Holding, the parent company of CarrefourSA. In this competition, good projects, practices and business models are highlighted, appreciated and rewarded.

C1.3a

(C1.3a) Provide further details on the incentives provided for the management of climate-related issues (do not include the names of individuals).

Entitled to incentive	Type of incentive	Activity incentivized	Comment
Chief Executive Officer (CEO)	Monetary reward	Emissions reduction target	The annual key performance indicators (KPIs) of the CEO, include climate change-related targets.

Entitled to incentive	Type of incentive	Activity incentivized	Comment
		Behavior change related indicator	Year-end bonuses are determined according to the results of KPIs. These targets are: "measuring scope 1 and scope 2 emission values and confirming their accuracy by external auditing + 5% reduction in emissions per unit sales area compared to the previous year", "achieving C score in the CDP climate change program and B score in the water security program", "10% reduction in the use of plastic for the office compared to the previous year".
All employees	Non-monetary reward	Efficiency project	An award is given to the employee/company that receives an award in the Altinyaka Contest and a donation is made to an institution determined by HR.
Other C-Suite Officer	Monetary reward	Emissions reduction target Behavior change related indicator Company performance against a climate-related sustainability index	The annual key performance indicators (KPIs) of the CHRO, include climate change-related targets. Year-end bonuses are determined according to the results of KPIs. These targets are: "measuring scope 1 and scope 2 emission values and confirming their accuracy by external auditing + 5% reduction in emissions per unit sales area compared to the previous year", "achieving C score in the CDP climate change program and B score in the water security program", "10% reduction in the use of plastic for the office compared to the previous year".
Environment/Sustainability manager	Monetary reward	Emissions reduction target Energy reduction target Behavior change related indicator	The annual key performance indicators (KPIs) include climate change-related targets. Year-end bonuses are determined according to the results of KPIs. These targets are: "measuring scope 1 and scope 2 emission values and confirming their accuracy by external auditing + 5% reduction in emissions per unit sales area compared to the previous year", "achieving C score in the CDP climate change program and B score in the water security program", "10% reduction in the use of plastic for the office compared to the previous year".

C2. Risks and opportunities

C2.1

(C2.1) Does your organization have a process for identifying, assessing, and responding to climate-related risks and opportunities?

Yes

C2.1a

(C2.1a) How does your organization define short-, medium- and long-term time horizons?

	From (years)	To (years)	Comment
Short-term	1	3	
Medium-term	3	10	
Long-term	10		Sabancı Holding, a parent company of CarrefourSA, set the goal of reaching 'Net Zero' in greenhouse gas emissions by 2050.

C2.1b

(C2.1b) How does your organization define substantive financial or strategic impact on your business?

CarrefourSA has defined the impact value and impact scale in the PR-ID-002 Risk Management Procedure. "Impact assessment" reflects the impact that the event defined as a risk will have for CarrefourSA if it occurs. The impact aspect is evaluated in the following different dimensions:

- Financial (Financial) impact
- Reputation impact
- Customer impact
- Law and Compliance impact
- Human and Environmental impact

In the evaluation of risks, the impact of each event, both alone and in combination with other events defined as risks, is taken into consideration.

The degrees of evaluation in the impact scale are as follows; critical, high, medium, low. Critical impacts definitions in CarrefourSA's Impact Scale are as follows:

Critical impacts:

Financial: impact of a magnitude of 0.5% of the financial loss of annual turnover and/or more,

Reputation: significant decrease in the company's share or market value, news that constantly negatively affect the public/shareholder's opinion, revealing confidential information

to be used against the company

Customer: 2.5% loss of customers, significant decrease in customer satisfaction/Net Promoter Score (NPS),

Law and Compliance: violations requiring fines of 0.5% of budgeted turnover and/or more, lawsuits resulting in provision for 0.5% of budgeted turnover and/or more,

Environment: The death or permanent disability of one or more people, the release of chemicals or wastes harmful to the environment and health.

While evaluating the impact of risk;

- Existing/planned measures or control mechanisms are not taken into account.
- The risk that may arise due to the nature of the work is taken into account.

A risk may impact a single category, or it is likely to impact more than one category. In this case, an evaluation is made by considering the category in which the risk is more effective.

C2.2

(C2.2) Describe your process(es) for identifying, assessing and responding to climate-related risks and opportunities.

Value chain stage(s) covered

Direct operations

Upstream

Downstream

Risk management process

Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment

More than once a year

Time horizon(s) covered

Short-term

Medium-term

Long-term

Description of process

Identification of Risks:

The process of identifying risks is the identification of possible threats and opportunities that the company may encounter in the way of achieving its goals, based on the vision, mission, strategic and corporate goals. Workshops, one-on-one interviews and survey method are among the methods to be followed in determining the risks. It is considered natural that the determined risk inventory changes with the change of the organization,

business model, field of activity or processes or the effects of external factors. For this reason, the Company Risk Inventory is systematically reviewed once a year and dynamically, without any time limit, by adding the risks that are communicated, evaluated and accepted at the Executive Board level to the risk inventory. New risk demands, risks in need of revision and risk parameters (risk-related parameters such as risk scores, risk indicators, threshold values) or risks that need to be removed from the inventory are approved by the Executive Board and the General Manager, and necessary updates are made on the Risk Inventory Portal.

Steps of risk identification:

*Main business processes are determined.

* It is ensured that the managers of all determined processes, deemed appropriate by the relevant Executive Board members, and the Company's Senior Management participate in the evaluation process to be conducted through workshops, surveys or one-on-one interviews.

*The risk inventory is reviewed at the workshops to be held in order to identify the inherent risks in the relevant business processes and to manage the changing targets and risks.

*In addition to the workshops, current company information (for example, analysis reports, market and sector information, external audit reports, previous internal audit and examination/investigation results, customer complaints, etc.) is reviewed in order not to ignore potential risks in the risk assessment.

*All interviews, workshops and risk assessments are recorded on the Risk Inventory Portal.

Risk Categories to be Used in Determining Risks: The main and sub risk categories of the Company to be used in the assessment and classification of risks are as follows: strategic, compliance, financial, operational. Climate-related risks are also included in these categories. In addition to the above-mentioned Risk Categories, there are external environmental factors that will particularly affect operations.

In the evaluation of the identified natural risks, the frequency or probability of occurrence of the risk, the possible impacts of the risk in case of realization and the extent of the damage it will cause are taken into consideration and the risks are graded. Since risk is expressed as a combination of impact and probability; It is determined as "Risk Level = Impact x Probability".

Following the inherent risk assessment, risk-reducing factors related to the internal control environment are evaluated. To facilitate this, risk reducing factors under the control of the employer are classified in three areas; System, Processes and Human Resources.

By evaluating reducing factors in system, process and people categories, a single (Control mechanism effectiveness) "risk reduction value" is revealed as a result of this evaluation.

Considering the effect of risk-reducing factors, the residual risk level assessment is carried out.

In order to continuously monitor and measure the risks identified and evaluated as a re-

sult of the application of the Institutional Risk Assessment methodology, the risk limit that can be tolerated is determined for each risk in line with the Key Risk Indicators and the risk appetite of the Management.

Necessary action plans are created for the management of risks that exceed the risk limit determined by the Management in line with the objectives of the company and are evaluated as "Critical" by the Management. These plans are followed and reported to the relevant managers.

Actions can be determined as follows in line with the severity of the risk for each risk, possible actions and the Management's decision;

- *Risk avoidance,
- *Transferring the risk in whole or in part (insurance, outsourcing, contract, etc.),
- *Increasing management controls and strengthening the internal control system in order to reduce risk,
- *Accepting the risk.

In line with the data entered in the Risk Inventory Portal, the Risk Management Report is prepared every 2 months and the Risk Management Report is submitted to the Early Detection of Risk Committee every 2 months. In the reports it submits to the Board of Directors, the Committee evaluates the risks of the Company. If there are insufficient Management Actions, it notifies them. In addition, the Committee also evaluates the effectiveness of the Company's risk management system once a year, if there are improvement areas, it shares with the Board of Directors and monitors the actions.

The basic roles and responsibilities regarding the Enterprise Risk Management system are specified under the CarrefourSA Risk Management Policy. The managers of all business units are responsible for the timely detection of risks, sharing these risks with the Company's Senior Management, and the determination, implementation and results of all necessary actions.

C2.2a

(C2.2a) Which risk types are considered in your organization's climate-related risk assessments?

	Relevance & inclusion	Please explain
Current regulation	Relevant, always included	Due to adopting EU regulations into Turkey, regulations in Turkey has become stricter recently. Also, enforcement from related ministry has also become stronger therefore this considered. For example, the "Communiqué on Monitoring and Reporting of Greenhouse Gas Emissions" was published in 2014. CarrefourSA has no obligation to report within the scope of this regulation due to the sector it is in. However, CarrefourSA follows the regulations both during the submission of opinion and after publication through the Legal Department. In risk assessments is always taken into account.

	Relevance & inclusion	Please explain
Emerging regulation	Relevant, sometimes included	CSA is a multinational company therefore Turkey, where the operations are held is not the only country we have to comply with the regulations of. With the "Carbon Border Adjustment Mechanism (CBAM)", the EU aims to monitor and reduce imports of goods with a high carbon footprint from countries that do not have a carbon pricing system. CarrefourSA exports some of its own brand products to EU countries. Emerging regulation is always taken into account in risk assessments due to such factors.
Technology	Relevant, always included	Since CarrefourSA keep opening new stores almost everyday, company has to follow new technologies. CarrefourSA follows new technologies in refrigerator systems, lighting , transportation and agricultural area, in adapting to the climate crisis and reducing its carbon footprint. More than half of CarrefourSA's carbon footprint is due to the use of F-gas in refrigerators. Also, Sabancı aimed to reach net zero in greenhouse gas emissions by 2050. It aligns all group companies, including CarrefourSA, in this direction. For these reasons, technology is always taken into account in risk assessments.
Legal	Relevant, always included	Legal enforcement is an increasing subject as regulations are becoming more and more stricter and authorities keep pushing. The Sustainability Principles Compliance Framework was put into practice with the Capital Markets Board's Communiqué published in the Official Gazette dated 02.10.2020 and announced to the public through a press release made by the Capital Markets Board . This new regulation is considered to be an important step for sustainability studies, including the issue of climate change. Legal is always taken into account in risk assessments.
Market	Relevant, always included	The trend of consumers towards products with a low carbon footprint will have an impact on sales revenues. CarrefourSA has conducted a survey to examine the sustainability-related approaches of its customers in their shopping preferences. 74% of the customers who participated in the survey stated that they go more to the markets that pay attention to sustainability. CarrefourSA also has many products with organic, ECO Planet, EU Ecolabel environmental labels. Market signals are always taken into account in risk assessments.
Reputation	Relevant, always included	CSA is part of Carrefour Group and Sabancı Holding therefore any harm to reputation of these two companies contains highly big risk. CarrefourSA takes into account in assessments the reputation risk as defined below which is in the Risk Management Procedure. It is the loss of customer, profit and competitive power of the company due to reputation damage caused by various events.
Acute physical	Relevant, always included	It is predicted that the annual average temperature in Turkey will increase by 2.5°-4°C in the coming years and the increase will reach 4°C in the Aegean and Eastern Anatolian Regions and 5°C in the inner regions. It is on the agenda that Turkey will have a hotter and drier climate in the near future. Drought, which is at the forefront of acute risks, adversely affects the activities of CarrefourSA. CarrefourSA derives most of its sales revenues from the food industry. It is predicted that drought will have serious effects in terms of food supply security by reducing the possibility of reaching food. For this reason, acute physical risks are always taken into account in risk assessment of CarrefourSA as a factor affecting business models.
Chronic physical	Relevant, always included	The change in precipitation regime, which is one of the chronic risk factors due to climate change, adversely affects the recharge of groundwater. CarrefourSA has hundreds of products belonging to its own brand, and some of these products contain water directly, while others require water in the production process. For this reason, chronic risks are always taken into account in risk assessment of CarrefourSA as a factor affecting business models.

C2.3

(C2.3) Have you identified any inherent climate-related risks with the potential to have a substantive financial or strategic impact on your business?

Yes

C2.3a

(C2.3a) Provide details of risks identified with the potential to have a substantive financial or strategic impact on your business.

Identifier

Risk 1

Where in the value chain does the risk driver occur?

Downstream

Risk type & Primary climate-related risk driver

Reputation	Increased stakeholder concern or negative stakeholder feedback
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Primary potential financial impact

Increased direct costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Transportation is a big source for greenhouse gases. New routes for transportation and/or new type of technologies may make us face different, unpredicted costs.

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Transportation companies will increase their transportation fees.

Cost of response to risk

Description of response and explanation of cost calculation

Comment

Identifier

Risk 2

Where in the value chain does the risk driver occur?

Upstream

Risk type & Primary climate-related risk driver

Market	Other, please specify (Supplier's behaviours)
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Primary potential financial impact

Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

There are more than 70 producer which produce private label products for CSA. Once we start pushing them to decrease their greenhouse gas emissions, they will produce those products with higher prices.

Time horizon

Medium-term

Likelihood

Very likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Cost of response to risk

Description of response and explanation of cost calculation**Comment****Identifier**

Risk 3

Where in the value chain does the risk driver occur?

Upstream

Risk type & Primary climate-related risk driver

Emerging regulation	Other, please specify (Renewable Energy Resources Support Mechanism (YEKDEM))
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Primary potential financial impact

Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

While the energy price is formed in the free market, the Renewable Energy Resources Support Mechanism (YEKDEM), which is added to the production costs of electricity generation plants and shaped by public decisions, has a significant weight. Although this fund will provide benefits in the long term, it causes an increase in the energy costs supplied to CarrefourSA in the near term.

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

508000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

An increase of 1% over the supplementary cost affects the annual electricity cost of approximately 508,000 TL.

Cost of response to risk**Description of response and explanation of cost calculation**

CSA carries out energy saving projects (lighting, cooling etc.) every year. Also in 2020;

- New lighting systems were selected from product groups with high energy efficiency and low consumption, e.g. in 2020, 249 MWh energy savings were achieved with the armature replacement project.
- After the store architecture changes, device transformations were made, the capacity of which was not compatible with the new situation.
- In order to maintain the temperature values in the cabinets, all new cabinets are supplied with insulated glass doors as a concept.
- In parallel with the environmental effects, communication and follow-up are carried out with the suppliers.

In addition, operational tests that will exclude personnel intervention in air conditioning systems for 2021 have been started.

Comment

Identifier

Risk 4

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Acute physical	Increased severity and frequency of extreme weather events such as cyclones and floods
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Primary potential financial impact

Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

The increase in the frequency of extreme weather events such as storms, hail and floods can cause damage to its assets in CarrefourSA stores and warehouses.

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure**Cost of response to risk**

63307

Description of response and explanation of cost calculation

Expenses remained within the insurance exemption limits, as there was no situation that caused a large amount of loss, and financial support was not received from the insurance company for the expenses.

For the following years, insurance exemption values and insurance coverage are updated in parallel with the risk growth.

Preliminary maintenance works are carried out in the roof, entrance and sections of CarrefourSA' stores, which are located in an independent structure, where there may be a risk of possible damage.

The cost spent for the roof insulation works carried out in CarrefourSA' stores is 63,307 TL.

Comment**Identifier**

Risk 5

Where in the value chain does the risk driver occur?

Upstream

Risk type & Primary climate-related risk driver

Chronic physical	Rising mean temperatures
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Primary potential financial impact

Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

32% of CarrefourSA's energy expenditures originate from cooling costs. According to climate change global scenario analysis, temperatures in our country are expected to increase by 1.5-2 °C until 2040. It is estimated that this temperature will increase even more in some regions of our country, and this effect means that the cooling costs for CarrefourSA will also increase.

Time horizon

Medium-term

Likelihood

Very likely

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

Please select

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure**Cost of response to risk****Description of response and explanation of cost calculation**

In order to maintain the temperature values in the cabinets, all new cabinets are supplied with insulated glass doors as a concept. In parallel with the environmental effects, communication and follow-up are carried out with the suppliers.

Comment**Identifier**

Risk 6

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Emerging regulation	Mandates on and regulation of existing products and services
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Primary potential financial impact

Increased capital expenditures

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

In our country, it is prohibited to manufacture and sell devices containing R22 fluids in the HCFC group in accordance with the "Regulation on Substances that Deplete the Ozone Layer", related regulations, communiqués and the international agreements that form the basis for them, published by the Ministry of Environment and Urbanization. These fluids are sold for service purposes only and are subject to a reduction schedule. By 2025, it is predicted that the sale of these fluids will be stopped even for service purposes.

2,848 kg of R22 gas within the scope of the Kyoto Protocol was used in reporting period, representing 6.4% of the refrigerant gas stock used by CarrefourSA.

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

976927

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

There is a cooling system with R22 gas in 27 CarrefourSA stores. The conversion cost of these systems to R404 gas systems is approximately 976,927 TL.

Cost of response to risk**Description of response and explanation of cost calculation**

CarrefourSA prioritizes the installation of new generation systems with low global warming effect in its new stores. It considers these effects in cabinet renovations in existing stores.

Comment**Identifier**

Risk 7

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Emerging regulation	Carbon pricing mechanisms
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Primary potential financial impact

Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

In order to price the carbon released by companies and reduce carbon emissions, carbon tax system and carbon trading options are on the agenda in our country. Considering the environmental trends in the world, especially the Green Deal published by the European Union and the goal of being a carbon neutral continent by 2050, it can be said that it is inevitable for Turkey to include carbon taxes in the indirect tax system in the near future. Total of CarrefourSA's scope 1 & 2 & 3 emissions verified in the reporting period

261,313.44
tons.

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

52262688

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

It is assumed that the carbon tax will be 20 Euros per tonne of emissions.

Cost of response to risk**Description of response and explanation of cost calculation**

CSA carries out energy saving projects (lighting, cooling etc.) every year. Also in 2020;

- New lighting systems were selected from product groups with high energy efficiency and low consumption, e.g. in 2020, 249 MWh energy savings were achieved with the armature replacement project.
- After the store architecture changes, device transformations were made, the capacity of which was not compatible with the new situation.
- In order to maintain the temperature values in the cabinets, all new cabinets are supplied with insulated glass doors as a concept.
- In parallel with the environmental effects, communication and follow-up are carried out with the suppliers.

In addition, operational tests that will exclude personnel intervention in air conditioning systems for 2021 have been started.

Comment

C2.4

(C2.4) Have you identified any climate-related opportunities with the potential to have a substantive financial or strategic impact on your business?

Yes

C2.4a

(C2.4a) Provide details of opportunities identified with the potential to have a substantive financial or strategic impact on your business.

Identifier

Opp1

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Other, please specify (Use of more efficient equipment)

Primary potential financial impact

Reduced direct costs

Company-specific description

The energy sector is the source of almost two-thirds of greenhouse gas emissions, so the energy sector has an important role in reducing greenhouse gases that cause climate change. Decarbonisation of the energy system is an important area of action. In this context, investments in low-carbon energy sources such as natural gas and renewable energy are among the prominent trends. At the same time, energy efficient innovative technologies for reducing energy intensity are also attracting attention from environmentally responsible institutions.

CarrefourSA, a subsidiary of Sabancı Group, is advancing with the goal of Net Zero Emissions in all operations until 2050. In line with this goal, it invests in renewable energy purchases and efficient technologies.

In the reporting period, 6465 lightning luminaries were changed in CarrefourSA stores. It is foreseen that 249,879 kWh energy savings and 122,729 kg greenhouse gas emissions will be prevented annually.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

160252

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

By using energy efficient equipment, electricity costs will be reduced at stores. The potential financial impact figure has been calculated based on the amount of energy savings to be achieved.

Cost to realize opportunity**Strategy to realize opportunity and explanation of cost calculation**

It was decided to accept the "Energy Efficiency Strategy Document 2012-2023", which was prepared with the participation of public, private sector and non-governmental organizations under the coordination of the Ministry of Energy and Natural Resources. In today's world, where the importance of sustainable development is understood more and more, the value of efforts towards energy efficiency is increasing at the same rate. In this context; Improving energy efficiency at all stages from energy production and transmission to final consumption, preventing unconscious use and wastage, reducing energy intensity both on the basis of sectors and at the macro level are among the priority and important components of our national energy policy. CarrefourSA follow the national and international agenda on combating climate change and support reduction of greenhouse gas emissions at every stage of value chain, especially in company's stores in accordance with CarrefourSA Sustainability Policy. Cost to realize opportunity is calculated according to the amount of investment made for the project.

Comment**Identifier**

Opp2

Where in the value chain does the opportunity occur?

Upstream

Opportunity type

Products and services

Primary climate-related opportunity driver

Development and/or expansion of low emission goods and services

Primary potential financial impact

Other, please specify (Reduced potential carbon offset costs)

Company-specific description

CarrefourSA's environmental impact assessment covers not only its own activities, but also its supply chain activities and after-sales activities. Company reduces its environmental impact by using reusable plastic containers (RPC) instead of disposable crates in the supply of fruit and vegetable products. RPCs used by CarrefourSA use fewer natural resources than disposable alternatives throughout their lifecycle, from the energy and materials used in their manufacture through cleaning and repair to eventual recycling. And because they perform better in transit – stacking securely and maintaining their structural rigidity – they offer indirect environmental benefits, too. Less food is wasted, so less energy and resources are required to replace damaged stock.

CarrefourSA has also preferred an environmentally friendly solution for its scale systems. Company has 40 linerless scales in 12 hyper stores. Other than traditional labels, linerless scales can be printed with a variable length. This allows operator to save time and material during labeling. The material which is perfectly matched to thermal direct printing is linerless. This makes it much more environmental as compared to alternatives with backing material. With this sustainable service, CarrefourSA saved 62 trees as a result of annual paper savings of 4,345 kg.

With these green purchasing practices, CarrefourSA saved 66,617 GJ of energy in its supply chain in the reporting period. Thus, it contributed to the reduction of 1047 tons of emissions.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

374720

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

If CarrefourSA purchases a Gold Standard certified carbon reduction project to compensate for its carbon emissions, company will have to pay 374,720 TL. The potential financial impact figure was calculated in this way.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

CarrefourSA adopt the sustainability approach as business manner and apply it effectively in its decision-making processes.

Comment

Company did not pay an extra fee for the application of linerless scale.

Identifier

Opp3

Where in the value chain does the opportunity occur?

Upstream

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Use of more efficient production and distribution processes

Primary potential financial impact

Increased revenues resulting from increased demand for products and services

Company-specific description

CarrefourSA produces "Bizim Bahçe (Our Garden)" vegetables in its İstanbul stores in a healthy way with the "On-Site Production and Hydroponic Agriculture" method and offers it to its customers. With this technology, it produces the freshest products without using pesticides, continuously monitors the production area with sensors and activates factors such as necessary minerals and fertilizers when needed. In this way, it provides 90% water savings compared to traditional production methods. Since it produces in the immediate vicinity of the city, it also reduces carbon emissions by reducing transportation by trucks from far away. Less use of water also means reducing the carbon footprint of both the energy used in production and transportation. CarrefourSA also considers the scope 3 emissions in combating the climate crisis.

Time horizon

Medium-term

Likelihood

Very likely

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)**Potential financial impact figure – minimum (currency)**

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

While CarrefourSA successfully produces and transports products to its aisles with this system, it also receives many positive opinions from customers. Thanks to its customers following environmentally friendly and innovative technologies, there has been an strong demand for these products. The potential financial impact figure was calculated according to the sales turnover obtained from these products.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

As required by its sustainability policy, while developing its own brand products and services, CarrefourSA considers its impacts throughout the life cycle and take care environmental awareness. Cost was calculated according to operational expenditures these systems.

Comment

Identifier

Opp4

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

Shift in consumer preferences

Primary potential financial impact

Other, please specify

Company-specific description

CarrefourSA collaborated with Eşarj, Turkey's leading electric charging station network, to establish Eşarj stations in line with its sustainability goals. As part of the cooperation, charging stations were placed in the parking lots of three CarrefourSA markets in Istanbul. The charging stations located in the parking area of İstinye CarrefourSA Hiper, Anadolu Hisarı CarrefourSA Gurme and Zekeriyaköy CarrefourSA Gourmet markets, open to the public, facilitate the charging needs of CarrefourSA customers. The charging stations installed in the parking area of CarrefourSA markets have AC 22 kVA single output characteristics.

With its vision of Sabancı of the New Generation, CarrefourSA takes care to take the right steps to protect nature and minimize environmental impacts. Observing that many customers have started to prefer electric vehicles, the company supports the use of new generation vehicles and installs charging stations in their parking lots.

Time horizon

Medium-term

Likelihood

Very likely

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)**Potential financial impact figure – minimum (currency)**

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure**Cost to realize opportunity****Strategy to realize opportunity and explanation of cost calculation**

It is predicted that by 2030, 20% of the vehicles in traffic in Turkey will be electric vehicles, and more than 50% of newly sold vehicles will be electric. It will also increase the number of electric charging stations in CarrefourSA, which is currently three in total. In 2021, charging stations will be established in G-Mall AVM, Bodrum Merkez and Ömerli stores.

Comment**Identifier**

Opp5

Where in the value chain does the opportunity occur?

Upstream

Opportunity type

Products and services

Primary climate-related opportunity driver

Shift in consumer preferences

Primary potential financial impact

Increased revenues resulting from increased demand for products and services

Company-specific description

Practices in the agricultural sector also play a significant role in the fight against the climate crisis. In fact, processes such as the use of fossil fuels, fertilizers and pesticides in agricultural production, the transportation and distribution of inputs and food from the production site to the user have environmental effects. When all these processes are included, the share of agricultural activities in greenhouse gas emissions is around 30%. Organic farming has been recognized as one of the five sustainable farming systems by the Food and Agriculture Organization of the United Nations (FAO). Organic farming principles have a reducing effect on carbon emissions by placing restrictions on synthetic fertilizers and pesticides.

In the case of applying organic agriculture with cover crops without tillage; Organic carbon in the soil can increase by 9% in the first two years and by 21% in six years. 20% increase in organic matter content in the soil means 9 tons of carbon emission savings per hectare.

Organic agricultural products are very popular with CarrefourSA's customers, especially in Gourmet stores. Customers in this segment prefer organic agricultural products with the awareness that they help the health of both people and the planet. CarrefourSA continues to increase its product variety and sales tonnage target in this direction.

Time horizon

Medium-term

Likelihood

Very likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

In order to support sustainable agriculture, CarrefourSA brought the first private label organic milk of Turkish food retailing, Carrefour Bio Organic Milk, to its customers in the reporting period. It has been certified by Ecocert Imo Audit and Certification Limited Company (TR-OT-003) that the product complies with organic agriculture regulations.

Comment

Identifier

Opp6

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Other, please specify (Prevention of food waste and loss)

Primary potential financial impact

Reduced indirect (operating) costs

Company-specific description

Thanks to CarrefourSA's cooperation with Whole Surplus (Fazla Gıda) , which brings CarrefourSA's surplus products to the economy, environment and society, approximately 500 kg of food was saved from being waste in the reporting period. CarrefourSA has saved its products, whose packaging is broken, whose expiry date is approaching, which cannot be sold to the customer, but which are suitable for human consumption, from being waste by cooperating with the surplus food organization. Whole Surplus publishes donation advertisements on the platform so that food banks and associations can receive regular and daily food donations. In this way, it enables CarrefourSA to create economic and social value from excess demand products by effectively managing its unsold product stocks.

Time horizon

Medium-term

Likelihood

Very likely

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

76233

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

A revenue of 4,082 TL was obtained from food products and 72,151 TL from non-food products.

Cost to realize opportunity**Strategy to realize opportunity and explanation of cost calculation**

13% of the food waste in the world originates from the food retail sector. Carbon emission originating from food waste constitutes 8% of carbon emissions that cause climate change. In addition to correct stock management and daily production methods, CarrefourSA reduce its carbon footprint by minimizing its food losses with this practice. No commission fee is paid for cooperation with Whole Surplus. CarrefourSA employ a staff within its organization to stock and manage food waste in accordance with consumption. It means a personnel expense for each store where this application is made.

Comment

Identifier

Opp7

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Products and services

Primary climate-related opportunity driver

Shift in consumer preferences

Primary potential financial impact

Increased revenues resulting from increased demand for products and services

Company-specific description

Environmental labels show that negative effects on the environment, people, health, climate and natural life are reduced in all processes from the raw material procurement stage of a product or service to the end of its useful life. CarrefourSA actively promote responsible consumption, in particular through Carrefour EcoPlanet and Carrefour Bio product line which provides its customers with the option to choose products that have a lower environmental impact.

Time horizon

Medium-term

Likelihood

Very likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

20838138

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Carrefour's eco-labelled products receives many positive opinions from customers. Thanks to its customers following environmentally friendly product, there has been demand for these products. The potential financial impact figure was calculated according to the sales turnover obtained from these products. Its sales share increased from 5.29% in 2018 to 5.38% in 2020. In the first four months of 2021, it reached a share of 5.55%.

Cost to realize opportunity**Strategy to realize opportunity and explanation of cost calculation**

According to the UN, if human activity continues at current rate, we will need 3 planets to sustain our lifestyles by 2050. We consume more resources than the planet can generate. CarrefourSA is committed to achieve SDG12. EU Ecolabel are effective tools for securing a sustainable future and actively contribute to accomplishing SDG 12. ECO Planet product line of CarrefourSA have EU Ecolabel certificate and are produced in facilities inspected by CarrefourSA within the framework of international standards.

Comment

Identifier

Opp8

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Use of recycling

Primary potential financial impact

Other, please specify

Company-specific description

With an awareness of sustainable environmental awareness, many activities are carried out for the recycling of waste generated in our CarrefourSA stores. Within the scope of the Zero Waste initiative, a "Basic Level Zero Waste Certificate" application was made for all its stores, and as of the end of 2020, zero waste certificates were obtained for 69 stores. Paper, metal, plastic, vegetable oil, battery, etc. products are collected by separating them, and they are sent to licensed recycling companies to contribute to their disposal. In 2020, CarrefourSA recycled 2,400 tones of plastic, 359 tones of paper, 220 tones of glass and 97 tones of metal packaging materials from its self-branded products. According to research globally, about 40% of plastics are used as packaging. Usually, packaging is meant for a single use, so there's a quick turnaround to disposal. This packaging can be processed in three different ways: landfill, incineration, or recycling. Waste incineration has the largest climate impact of the three options. CarrefourSA prevented 173874 kg of greenhouse gas emissions with its contribution to packaging recycling in the reporting period.

Time horizon

Medium-term

Likelihood

Very likely

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

62073

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

If CarrefourSA purchases a Gold Standard certified carbon reduction project to compensate for its carbon emissions, company will have to pay 62,073 TL. The potential financial impact figure was calculated in this way. Recycling rates for glass, plastic, metal and paper materials were accepted as 60%, 55%, 55% and 60% as in the Regulation, respectively. The greenhouse gas savings achieved by recycling 1 tonne of material for glass, plastic, metal and paper, respectively, were considered 580, 41, 96, and 177 kg, as specified in the official Zero Waste platform.

Cost to realize opportunity**Strategy to realize opportunity and explanation of cost calculation**

In line with its sustainability policy, CarrefourSA develops its sustainability strategy for its own brand products. "Responsible product" is one of the main strategic focus areas. Its actions include optimizing packaging sizes, choosing packaging materials from environmentally friendly materials, and promoting recycling by raising awareness among consumers.

ÇEVKO Foundation was established to contribute to the establishment of a sustainable recycling system with the contribution and participation of industry, local government and consumers for the economic and regular recycling of packaging waste in Turkey. The ÇEVKO Foundation, which undertakes the recycling obligation of the industry, carries out its works under contract with many economic enterprises. CarrefourSA is one of these organizations. CarrefourSA has paid .. to ÇEVKO in the reporting period.

Comment**Identifier**

Opp9

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Use of recycling

Primary potential financial impact

Other, please specify (Reduced potential carbon offset costs)

Company-specific description

Globally, in 2021 alone, researchers estimate that the production and incineration of plastic will pump more than 850 million tons of greenhouse gases into the atmosphere. By

2050, those emissions could rise to 2.8 billion tons. The Circular Economy Strategy in the EU and the European Plastics Strategy were announced in 2018. As part of this Strategy, "The Circular Plastics Alliance" covering the entire plastics value chain was formed, with the goal of increasing recycled plastics in the EU market to 10 million tons by 2025. The European Parliament enacted the Single-Use Plastics Directive in July 2019 and decided to ban single-use plastics from 2021.

In order to achieve better economic and environmental results while continuing to benefit from the advantages of being a strong, durable and versatile material offered by plastic, the "New Plastics Economy" approach must be adopted. The New Plastics Economy offers a new vision in line with circular economy principles to seize new opportunities in plastics.

Turkish Business Plastics Initiative (IPG) was established on 20 November 2019 by Global Compact Turkey, Business Council for Sustainable Development Turkey (BCSD Turkey) and Turkish Industry and Business Association (TUSIAD) to continue its work on a voluntary basis. Setting off with the vision of realizing the circular economy for plastics, IPG brings together multiple stakeholders of the entire plastics value chain. CarrefourSA is a member of the group under the umbrella of Sabancı Holding and will benefit from the systemic efficiency of the New Plastics Economy by determining its commitments in this direction. By this means, CarrefourSA will reduce both plastic waste and scope 3 emissions caused by wastes, and strengthen its reputation in terms of customers, investors and the society. Retail customers, including CarrefourSA's customers, increasingly express their satisfaction with companies that carry out such practices, especially through social media channels. Environmentally conscious social media influencers and experts share CarrefourSA's projects in this direction and announce them to their followers. For example, the posts made on social media channels in March for CarrefourSA's new generation and environmentally friendly shopping concept "Come with Your Container", which aims to reduce packaging waste, were viewed by 1,098,459 people.

Time horizon

Medium-term

Likelihood

Very likely

Magnitude of impact

Low

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

6211

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

If CarrefourSA purchases a Gold Standard certified carbon reduction project to compensate for 17400 kg carbon emissions, company will have to pay 6211 TL. The potential financial impact figure was calculated in this way.

Cost to realize opportunity

0

Strategy to realize opportunity and explanation of cost calculation

CarrefourSA will require full compliance with the Sabancı Holding Supplier Sustainability Policy in all supplier contracts until the end of 2023. In addition, within the scope of IPG Commitments, CarrefourSA's main targets until the end of 2023 are;

- Implementation of a store model in line with the Platinum Zero Waste concept in at least 10% of its stores,
- Offering reusable packaging in all stores in the fresh products aisle (bakery, butcher, fish, delicatessen) and rough service in its own container in at least 10 stores,
- Keeping the sustainable alternatives of plastic straws, plastic cutlery, plastic plates, plastic ear sticks, plastic tea and plastic cup products in the aisles.

CarrefourSA did not pay a fee for IPG membership. The cost of the expenditures to fulfill the commitments has not been calculated yet.

Comment

Identifier

Opp10

Where in the value chain does the opportunity occur?

Upstream

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Use of more efficient modes of transport

Primary potential financial impact

Reduced indirect (operating) costs

Company-specific description

As a result of the optimization studies carried out by the CarrefourSA Logistics Department, 1,363,836 liters of fuel were saved due to transportation services in the reporting period.

Time horizon

Medium-term

Likelihood

Virtually certain

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

4000000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

The emission of 3,772.29 tons of CO2 emissions has been prevented. While calculating the estimated annual CO2e savings, the CO2 emission coefficient of 2.77 kg was used for 1 liter of fuel savings. This information was obtained from the supplier records. Total labor time saving and fuel consumption saving is 4,000,000 TL.

Cost to realize opportunity**Strategy to realize opportunity and explanation of cost calculation****Comment****Identifier**

Opp11

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Use of recycling

Primary potential financial impact

Reduced indirect (operating) costs

Company-specific description

CarrefourSA sold 1,032,933 cloth bags in the reporting year. By this means, it has ensured that the consumption of single-use plastic bags of its customers is reduced. Approximately 10% of the income of these bags was donated to charities and financial support was provided to solidarity and aid organizations in our country.

Time horizon

Medium-term

Likelihood

Virtually certain

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

154940

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

With the sale of cloth bags, 154,940 TL was saved from the Recycling Participation Share tax paid for plastic bags. In addition, the carbon footprint of 1 plastic bag production is 200 grams of CO2. By encouraging the sale of cloth bags instead of plastic bags, CarrefourSA prevented the emission of 206,586.6 kg of CO2 carbon footprint in reporting period.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Comment

C3. Business Strategy

C3.1

(C3.1) Have climate-related risks and opportunities influenced your organization’s strategy and/or financial planning?

Yes

C3.1b

(C3.1b) Does your organization intend to publish a low-carbon transition plan in the next two years?

	Intention to publish a low-carbon transition plan	Intention to include the transition plan as a scheduled resolution item at Annual General Meetings (AGMs)	Comment
Row 1	Yes, in the next two years	Yes, we intend to include it as a	At Sabancı Group, we set a target to achieve Net-Zero Emissions and Zero Waste by 2050 at the latest. As Sabancı Group, we continue our operations to set examples of good practices and produce innovative solutions by or-

	Intention to publish a low-carbon transition plan	Intention to include the transition plan as a scheduled resolution item at Annual General Meetings (AGMs)	Comment
		scheduled AGM resolution item	ganizing regular Thematic Task Force meetings on various issues such as the Climate Emergency and Sustainable Business Models. One of the focus areas of action in the Sabancı Group's Sustainability Roadmap is "Pioneering Steps to Resolve the Climate Crisis". Group also encourages its subsidiaries and companies to initiate projects and activities in order to achieve this goal. In addition, CarrefourSA joined the Business World Plastics Initiative under the umbrella of Sabancı Holding and made commitments. In this context, Group first aim to prevent the unnecessary use of plastic and switch to the reuse model where possible.

C3.2

(C3.2) Does your organization use climate-related scenario analysis to inform its strategy?

Yes, qualitative and quantitative

C3.2a

(C3.2a) Provide details of your organization's use of climate-related scenario analysis.

Climate-related scenarios and models applied	Details
Other, please specify (Brainstorming session is held with related parties.)	Energy efficient refrigeration units are purchased during new store openings and equipment replacment.
Other, please specify (Brainstorming session is held with related parties.)	Refrigeration equipment with environmental friendly gases are preferred during new openings and replacement.
RCP 8.5	CarrefourSA used the WRI Aqueduct Water Risk Atlas tool to assess water risks. The change in water stress up to 2030 was analyzed according to the pessimistic scenario. According to the Water Risk Atlas, it is estimated that water stress will increase approximately 2 times in 2030 in various basins where CarrefourSA stores are located and where food products are grown. With the increase of water stress, it is expected that agricultural productivity will decrease and product prices will increase. In addition, it is foreseen that there will be changes in the product variety and the regions where the products are grown. Agricultural production has already started to shift to the Marmara Region, as inefficient production occurs due to the fact that water comes out of the underground artesian wells in Central Anatolia from deeper and deeper. It was determined that the drought affected the open field products the most in the CarrefourSA product portfolio. (Such as potato, onion, watermelon, melon, tomato, and pepper)

Climate-related scenarios and models applied	Details
Other, please specify	Sabancı Group's mid-term actions in its Sustainability Roadmap include "Climate change scenario analysis and researching the applicability of stress tests".

C3.3

(C3.3) Describe where and how climate-related risks and opportunities have influenced your strategy.

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Yes	CarrefourSA always choose environmental friendly equipment in terms of refrigeration gas and energy consumption. Also, private label suppliers are encouraged to emit less greenhouse gas. CarrefourSA includes organic, environmentally labeled and biodegradable alternatives in its product portfolio and tries to increase the number of these alternatives every day. CarrefourSA also offered customers the opportunity to shop with their own containers in its stores in order to reduce the consumption of plastics originating from packaging. Company will implement this application in at least 10 stores by 2023. There are electric charging stations for low-emission vehicles in 3 stores of CarrefourSA. The number of these stations will increase to 6 in 2021.
Supply chain and/or value chain	Yes	CarrefourSA continues its studies on the Private Label Product Sustainability Strategy. Company develops this strategy on two key issues: responsible product and responsible sourcing. One of the issues addressed in the responsible product category is the examination of private label products from a life cycle perspective. CarrefourSA Sustainability and Quality Assurance Unit is preparing to provide feedback to suppliers about having life cycle analysis (LCA) for their products and improving their processes with this perspective. In the responsible procurement category, suppliers will be encouraged to have social compliance certificates and environmental labels. Also, transportation companies, equipment and routes are chosen to have less greenhouse gas emission caused by transportation.
Investment in R&D	No	There is currently no R&D activities in CSA.
Operations	Yes	CarrefourSA does not have electricity generation, but it is aimed to have a renewable energy generation rate above 30% in the selection of electricity supplier. Renewable energy resources power plant generation rate is 43.59% among the total power plants of the current supplier. CSA carries out energy saving projects (lighting, cooling etc.) every year. Also in 2020; - New lighting systems were selected from product groups with high energy efficiency and low consumption, e.g. in 2020, 249 MWh energy savings were achieved with the armature replacement project. - After the store architecture changes, device transformations were made, the capacity of which was not compatible with the new situation. - Operational tests that will exclude personnel intervention in air conditioning

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
		systems for 2021 have been started. - In order to maintain the temperature values in the cabinets, all new cabinets are supplied with insulated glass doors as a concept. - In parallel with the environmental effects, communication and follow-up are carried out with the suppliers. -CSA prioritizes the installation of new generation systems with low global warming effect in its new stores. It considers these effects in cabinet renovations in existing stores.

C3.4

(C3.4) Describe where and how climate-related risks and opportunities have influenced your financial planning.

	Financial planning elements that have been influenced	Description of influence
Row 1	Direct costs Capital expenditures	Capital amount of less energy consuming equipment and environmental friendly gas containing refrigeration equipment is higher than other ones therefore capital expense is influenced. During the design phase of stores and warehouses, isolation is also considered. This also serves reduced energy costs that occur at stores.

C3.4a

(C3.4a) Provide any additional information on how climate-related risks and opportunities have influenced your strategy and financial planning (optional).

-

C4. Targets and performance

C4.1

(C4.1) Did you have an emissions target that was active in the reporting year?

Both absolute and intensity targets

C4.1 a

(C4.1 a) Provide details of your absolute emissions target(s) and progress made against those targets.

Target reference number

Abs 1

Year target was set

2021

Target coverage

Business activity

Scope(s) (or Scope 3 category)

Scope 3 (upstream & downstream)

Base year

2021

Covered emissions in base year (metric tons CO2e)

Covered emissions in base year as % of total base year emissions in selected Scope(s) (or Scope 3 category)

Target year

2030

Targeted reduction from base year (%)

50

Covered emissions in target year (metric tons CO2e) [auto-calculated]

<Calculated field>

Covered emissions in reporting year (metric tons CO2e)

% of target achieved [auto-calculated]

<Calculated field>

Target status in reporting year

New

Is this a science-based target?

No, but we anticipate setting one in the next 2 years

Target ambition

<Not Applicable>

Please explain (including target coverage)

CarrefourSA has signed on to a new initiative to engage its supply chains in the fight against food loss and waste. Called "10x20x30," the initiative brings together 10 of the world's biggest food retailers and providers to each engage with 20 of their priority suppli-

ers to aim to halve rates of food loss and waste by 2030. This private sector commitment is designed to be a significant advancement toward the United Nations' Sustainable Development Goal (SDG) Target 12.3, which calls for a 50% reduction in food loss and waste by 2030 worldwide. Worldwide, one-third of food is lost or wasted, resulting in significant economic, environmental, and food security impacts. This amount of food loss and waste equals \$940 billion annually and is responsible for 8% of global greenhouse gas emissions.

Target reference number

Abs 2

Year target was set

2021

Target coverage

Company-wide

Scope(s) (or Scope 3 category)

Scope 3: Purchased goods & services

Base year

2021

Covered emissions in base year (metric tons CO2e)

Covered emissions in base year as % of total base year emissions in selected Scope(s) (or Scope 3 category)

Target year

2023

Targeted reduction from base year (%)

100

Covered emissions in target year (metric tons CO2e) [auto-calculated]

<Calculated field>

Covered emissions in reporting year (metric tons CO2e)

% of target achieved [auto-calculated]

<Calculated field>

Target status in reporting year

New

Is this a science-based target?

No, but we anticipate setting one in the next 2 years

Target ambition

<Not Applicable>

Please explain (including target coverage)

Within the scope of the Turkish Business Plastics Initiative (IPG) commitments:
Targets to eliminate problematic and unnecessary plastic packaging by 2023:

Reducing single-use plastics in the following categories to 0 by the end of 2023 at the latest, covering minimum administrative buildings.:

It covers in-office use, it includes the management of plastic from 'supplier-status' sources that company can only control.

1-CarrefourSA will reduce the use of plastic packaging for in-office cargo to 0 by the end of 2023.

2- CarrefourSA will reduce the use of plastic water bottles and non-reusable carboys to 0 by the end of 2023 in all areas of the office.

3- CarrefourSA will reduce the disposable packaged toothpicks and plastic bags used in office areas and catering services in company buildings to 0 by the end of 2023.

Target reference number

Abs 3

Year target was set

2021

Target coverage

Business division

Scope(s) (or Scope 3 category)

Scope 3: Waste generated in operations

Base year

2021

Covered emissions in base year (metric tons CO2e)

Covered emissions in base year as % of total base year emissions in selected Scope(s) (or Scope 3 category)

Target year

2023

Targeted reduction from base year (%)

Covered emissions in target year (metric tons CO2e) [auto-calculated]

<Calculated field>

Covered emissions in reporting year (metric tons CO2e)

% of target achieved [auto-calculated]

<Not Applicable>

Target status in reporting year

New

Is this a science-based target?

No, but we anticipate setting one in the next 2 years

Target ambition

<Not Applicable>

Please explain (including target coverage)

Within the scope of the Turkish Business Plastics Initiative (IPG) commitments:
For the fresh products section (bakery, butcher, fish, delicatessen) at Carrefoursa, at least 10 stores will be offered the option of service in customer's container until 2023.

C4.1b

(C4.1b) Provide details of your emissions intensity target(s) and progress made against those target(s).

Target reference number

Int 1

Year target was set

2019

Target coverage

Company-wide

Scope(s) (or Scope 3 category)

Scope 2 (location-based)

Intensity metric

Metric tons CO2e per square meter

Base year

2019

Intensity figure in base year (metric tons CO2e per unit of activity)

% of total base year emissions in selected Scope(s) (or Scope 3 category) covered by this intensity figure

100

Target year

2020

Targeted reduction from base year (%)

5

Intensity figure in target year (metric tons CO2e per unit of activity) [auto-calculated]

<Calculated field>

% change anticipated in absolute Scope 1+2 emissions

5

% change anticipated in absolute Scope 3 emissions

Intensity figure in reporting year (metric tons CO2e per unit of activity)

% of target achieved [auto-calculated]

<Calculated field>

Target status in reporting year

Underway

Is this a science-based target?

No, but we anticipate setting one in the next 2 years

Target ambition

<Not Applicable>

Please explain (including target coverage)

Target is "measuring scope 1 and scope 2 emission values and confirming their accuracy by external auditing and 5% reduction in emissions per unit sales area compared to the previous year".

C4.2

(C4.2) Did you have any other climate-related targets that were active in the reporting year?

Other climate-related target(s)

No other climate-related targets

C4.2b

(C4.2b) Provide details of any other climate-related targets, including methane reduction targets.**Target reference number**

Oth 1

Year target was set

2021

Target coverage

Company-wide

Target type: absolute or intensity

Absolute

Target type: category & Metric (target numerator if reporting an intensity target)

Waste management	metric tons of waste generated
------------------	--------------------------------

Target denominator (intensity targets only)

<Not Applicable>

Base year

2021

Figure or percentage in base year

Target year

2050

Figure or percentage in target year

0

Figure or percentage in reporting year

% of target achieved [auto-calculated]

<Calculated field>

Target status in reporting year

New

Is this target part of an emissions target?

Most of the greenhouse gas emissions originate from landfills. In landfills, biodegradable wastes cause methane emissions, one of the greenhouse gases that cause climate change. Therefore, it is important to prevent methane emissions, especially in landfills, for greenhouse gas reduction. In order to prevent these emissions, waste reduction and waste separation practices at the source are very critical. So, this target is part of an emissions target.

Is this target part of an overarching initiative?

No, it's not part of an overarching initiative

Please explain (including target coverage)

This target includes stores, warehouses and the Head Office.

C4.3

(C4.3) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.

Yes

C4.3a

(C4.3a) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation		
To be implemented*		
Implementation commenced*		
Implemented*	4	4938.83

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Not to be implemented		

C4.3b

(C4.3b) Provide details on the initiatives implemented in the reporting year in the table below.

Initiative category & Initiative type

Energy efficiency in buildings	Lighting
--------------------------------	----------

Estimated annual CO2e savings (metric tonnes CO2e)

118.77

Scope(s)

Scope 2 (market-based)

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

160252

Investment required (unit currency – as specified in C0.4)

2183162

Payback period

11-15 years

Estimated lifetime of the initiative

6-10 years

Comment

While calculating the estimated annual CO2e savings, the emission factor of 1 kWh electricity is accepted as 0.477 kg CO2e, which is the average grid value of Turkey. This information was obtained from carbon footprint consultants.

Initiative category & Initiative type

Waste reduction and material circularity	Product or service design
--	---------------------------

Estimated annual CO2e savings (metric tonnes CO2e)

1047

Scope(s)

Scope 3

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

Investment required (unit currency – as specified in C0.4)

0

Payback period

Please select

Estimated lifetime of the initiative

Please select

Comment

Using IFCO reusable plastic containers (RPCs) instead of single-use packaging was provided reduction in CO₂. That's because IFCO RPCs are designed to be reused again and again. Switching to IFCO Reusable Plastic Containers (RPCs) reduces impact from supply chain of CarrefourSA on the environment. The amount of emission reduction is based on the information in the certificate obtained from the supplier. The information in the certificate is as follows: calculations are based on life cycle assessment (Franklin Associates, 2017) and life cycle analysis (Stiftung Initiative Mherweg, 2018 Update) of reusable containers for fresh produce applications and determination of spoilage levels of fresh fruits and vegetables (Fraunhofer IML and University of Bonn, 2013) is based on.

Initiative category & Initiative type

Waste reduction and material circularity	Waste reduction
--	-----------------

Estimated annual CO₂e savings (metric tonnes CO₂e)

0.77

Scope(s)

Scope 3

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

0

Investment required (unit currency – as specified in C0.4)

0

Payback period

Please select

Estimated lifetime of the initiative

Please select

Comment

CarrefourSA switched to linerless application in a total of 40 weight-scales in its 12 stores. In this application, there is no carrier part behind the scale. As a result of the implementation, 4345 kg of paper was saved annually due to label consumption. According to the information obtained from the website of the Zero Waste platform, it is assumed that 177 kg of greenhouse gas formation is prevented as a result of saving 1 ton of paper.

Initiative category & Initiative type

Transportation	Other, please specify (Route Optimization in Supplier Transport)
----------------	--

Estimated annual CO2e savings (metric tonnes CO2e)

3772.29

Scope(s)

Scope 3

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

4000000

Investment required (unit currency – as specified in C0.4)

0

Payback period

<1 year

Estimated lifetime of the initiative

>30 years

Comment

As a result of the optimization studies carried out by the CarrefourSA Logistics Department, 1,363,836 liters of fuel were saved due to transportation services in the reporting period. While calculating the estimated annual CO2e savings, the CO2 emission coefficient of 2.77 kg was used for 1 liter of fuel savings. This information was obtained from the supplier records.

C4.3c**(C4.3c) What methods do you use to drive investment in emissions reduction activities?**

Method	Comment
Financial optimization calculations	CarrefourSA Savings Committee researches, determines and plans projects that will save energy and water. At the same time, it saves both total labor time and fuel consumption with the optimization studies of the Logistics Department. In addition, A total of 931 million tons of food is wasted every year. This amount accounts for 8% of annual global greenhouse gas emissions. Thanks to its strategy to prevent and manage food waste, Carrefoursa delivered 550 tons of products from the markets to 22,000 people for eight years in cooperation with the Basic Needs Association (TIDER). With the Friendly Movement project, initiated in cooperation with HayKonFed, the surplus food products were donated to homeless animals.
Dedicated budget for other emissions reduction activities	CarrefourSA Sustainability Committee discusses and prioritizes projects that will support the low carbon economy in line with the company's strategy. CarrefourSA Sustainability Department shares examples of good practices specific to its processes and sustainability expectations of third-party platforms with Group Managers. Coordinates meetings and trainings for the dissemination of sustainability perspective and culture.

Method	Comment
Compliance with regulatory requirements/standards	For example, the Zero Waste Regulation explains the issues related to the establishment, dissemination, development, monitoring, financing, recording and certification of the zero waste management system. It encourages zero waste studies in stores by determining the legal obligations of companies.

C4.5

(C4.5) Do you classify any of your existing goods and/or services as low-carbon products or do they enable a third party to avoid GHG emissions?

Yes

C4.5a

(C4.5a) Provide details of your products and/or services that you classify as low-carbon products or that enable a third party to avoid GHG emissions.

Level of aggregation

Group of products

Description of product/Group of products

Carrefour Eco Planet products have EU Ecolabel certificate. EU Ecolabel household detergent product groups provide consumers an eco-friendly alternative to conventional detergents and lowering their daily environmental impact. The label guarantees detergents with limited hazardous substances used, sustainably-sourced raw material, design and recyclability of packaging and proper guidance of the product user. In order to decrease the amount of CO2 emissions, propellants in sprays are also prohibited.

Carrefour Bio Organik products are organic products. Organic farming has been recognized as one of the five sustainable farming systems by the Food and Agriculture Organization of the United Nations (FAO). Organic farming principles have a reducing effect on carbon emissions by placing restrictions on synthetic fertilizers and pesticides.

Are these low-carbon product(s) or do they enable avoided emissions?

Low-carbon product

Taxonomy, project or methodology used to classify product(s) as low-carbon or to calculate avoided emissions

Evaluating the carbon-reducing impacts of ICT

% revenue from low carbon product(s) in the reporting year

5.38

% of total portfolio value

<Not Applicable>

Asset classes/ product types

<Not Applicable>

Comment

Practices in the agricultural sector also play a significant role in the fight against the climate crisis. In fact, processes such as the use of fossil fuels, fertilizers and pesticides in agricultural production, the transportation and distribution of inputs and food from the production site to the user have environmental effects. When all these processes are included, the share of agricultural activities in greenhouse gas emissions is around 30%.

In the case of applying organic agriculture with cover crops without tillage; Organic carbon in the soil can increase by 9% in the first two years and by 21% in six years. 20% increase in organic matter content in the soil means 9 tons of carbon emission savings per hectare.

Organic agricultural products are very popular with CarrefourSA's customers, especially in Gourmet stores. Customers in this segment prefer organic agricultural products with the awareness that they help the health of both people and the planet. CarrefourSA continues to increase its product variety and sales tonnage target in this direction.

Level of aggregation

Group of products

Description of product/Group of products

CarrefourSA has established two specialized distribution center/platforms in addition to other generic distribution centers throughout the country. These two distribution centers are located very close to farmers' land therefore transportation of those products are avoided. Local farmers are organized to balance supply and demand for the market by planning of purchasing department. With the help of organization waste amount is under control and less.

Are these low-carbon product(s) or do they enable avoided emissions?

Avoided emissions

Taxonomy, project or methodology used to classify product(s) as low-carbon or to calculate avoided emissions

Evaluating the carbon-reducing impacts of ICT

% revenue from low carbon product(s) in the reporting year

% of total portfolio value

<Not Applicable>

Asset classes/ product types

<Not Applicable>

Comment

Level of aggregation

Group of products

Description of product/Group of products

Compared to its substitutes, CarrefourSA offers some products that are biodegradable on its shelves. Those selected examples of these products are soluble in nature garbage bags, produced from sugar cane plates, stretch film soluble in nature.

Are these low-carbon product(s) or do they enable avoided emissions?

Low-carbon product

Taxonomy, project or methodology used to classify product(s) as low-carbon or to calculate avoided emissions

Please select

% revenue from low carbon product(s) in the reporting year

0.08

% of total portfolio value

<Not Applicable>

Asset classes/ product types

<Not Applicable>

Comment

248 million TL income was obtained from these products in the reporting period, the share of these incomes in the product group is 0.08%.

Level of aggregation

Group of products

Description of product/Group of products

CarrefourSA sold 1,032,933 cloth bags in the reporting year. By this means, it has ensured that the consumption of single-use plastic bags of its customers is reduced. The carbon footprint of 1 plastic bag production is 200 grams of CO2. By encouraging the sale of cloth bags instead of plastic bags, CarrefourSA prevented the emission of 206,586.6 kg of CO2 carbon footprint in the reporting year.

Are these low-carbon product(s) or do they enable avoided emissions?

Avoided emissions

Taxonomy, project or methodology used to classify product(s) as low-carbon or to calculate avoided emissions

Please select

% revenue from low carbon product(s) in the reporting year

% of total portfolio value

<Not Applicable>

Asset classes/ product types

<Not Applicable>

Comment

C5. Emissions methodology

C5.1

(C5.1) Provide your base year and base year emissions (Scopes 1 and 2).

Scope 1

Base year start

January 1 2020

Base year end

December 31 2020

Base year emissions (metric tons CO2e)

173237

Comment

CarrefourSA aims to measure and verify scope 1 and 2 emissions and reduce the amount of emissions by 5% per unit sales area compared to 2020.

Scope 2 (location-based)

Base year start

January 1 2020

Base year end

December 31 2020

Base year emissions (metric tons CO2e)

86948

Comment

CarrefourSA aims to measure and verify scope 1 and 2 emissions and reduce the amount of emissions by 5% per unit sales area compared to 2020.

Scope 2 (market-based)

Base year start

January 1 2020

Base year end

December 31 2020

Base year emissions (metric tons CO2e)

0

Comment

C5.2

(C5.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.

Defra Environmental Reporting Guidelines: Including streamlined energy and carbon reporting guidance, 2019

IPCC Guidelines for National Greenhouse Gas Inventories, 2006

ISO 14064-1

The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)

C6. Emissions data

C6.1

(C6.1) What were your organization's gross global Scope 1 emissions in metric tons CO2e?

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)

173237

Start date

January 1 2020

End date

December 31 2020

Comment

Past year 1

Gross global Scope 1 emissions (metric tons CO2e)

170452

Start date

January 1 2019

End date

December 31 2019

Comment

Past year 2

Gross global Scope 1 emissions (metric tons CO2e)

180034

Start date

January 1 2018

End date

December 31 2018

Comment**Past year 3****Gross global Scope 1 emissions (metric tons CO2e)**

190339

Start date

January 1 2017

End date

December 31 2017

Comment**C6.2**

(C6.2) Describe your organization's approach to reporting Scope 2 emissions.**Row 1****Scope 2, location-based**

We are reporting a Scope 2, location-based figure

Scope 2, market-based

We have no operations where we are able to access electricity supplier emission factors or residual emissions factors and are unable to report a Scope 2, market-based figure

Comment**C6.3**

(C6.3) What were your organization's gross global Scope 2 emissions in metric tons CO2e?**Reporting year****Scope 2, location-based**

86947.78

Scope 2, market-based (if applicable)

<Not Applicable>

Start date

January 1 2020

End date

December 31 2020

Comment

Past year 1

Scope 2, location-based

96448

Scope 2, market-based (if applicable)

<Not Applicable>

Start date

January 1 2019

End date

December 31 2019

Comment

Past year 2

Scope 2, location-based

101870

Scope 2, market-based (if applicable)

<Not Applicable>

Start date

January 1 2018

End date

December 31 2018

Comment

Past year 3

Scope 2, location-based

107701

Scope 2, market-based (if applicable)

<Not Applicable>

Start date

January 1 2017

End date

December 31 2017

Comment

C6.4

(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure?

No

C6.5

(C6.5) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

Evaluation status

Relevant, calculated

Metric tonnes CO₂e

108.41

Emissions calculation methodology

Emission from water supply was calculated 108.41 metric tonnes CO₂e and calculated using UK DEFRA 2020 Emission Factors. The emission factor of water supply activity has been assumed as 0.344 kg CO₂e per cubic meter water.

Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

Please explain

Capital goods

Evaluation status

Relevant, not yet calculated

Metric tonnes CO₂e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

Fuel-and-energy-related activities (not included in Scope 1 or 2)

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain**Upstream transportation and distribution****Evaluation status**

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain**Waste generated in operations****Evaluation status**

Relevant, calculated

Metric tonnes CO2e

4289.48

Emissions calculation methodology

6521 tons of organic waste was produced in the stores. 315,148.03 cubic meter water was used in the stores, and it is assumed that 90% of this amount reaches the treatment plants. Only waste treatment in facilities owned or operated by third parties is included in scope 3. Emissions from water treatment and organic waste generation have been calculated. Emissions in this category were calculated using UK DEFRA 2020 Emission Factors. The emission factor of water treatment activity has been assumed as 0.708 kg CO2e per cubic meter water. The emission factor of organic waste generated activity has been assumed as 626.90 kg CO2e per ton waste.

Percentage of emissions calculated using data obtained from suppliers or value chain partners

50

Please explain**Business travel****Evaluation status**

Relevant, calculated

Metric tonnes CO2e

86

Emissions calculation methodology

Emissions in this category were calculated using UK DEFRA 2020 Emission Factors. The emission factor of business travel (domestic flights) activity has been assumed as 0.00013 ton CO2e per km.

Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

Please explain**Employee commuting****Evaluation status**

Relevant, calculated

Metric tonnes CO2e

1036

Emissions calculation methodology

Emissions in this category were calculated using UK DEFRA 2020 Emission Factors. The emission factor of employee commuting activity has been assumed as 0.00056 ton CO2e per km.

Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

Please explain**Upstream leased assets****Evaluation status**

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

Downstream transportation and distribution

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

Processing of sold products

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

Use of sold products

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

End of life treatment of sold products

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

Downstream leased assets

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

Franchises

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

Investments

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain**Other (upstream)****Evaluation status**

Not evaluated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain**Other (downstream)****Evaluation status**

Not evaluated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain**C6.7**

(C6.7) Are carbon dioxide emissions from biogenic carbon relevant to your organization?

No

C6.10

(C6.10) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Intensity figure

0.0000329

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

260185.18

Metric denominator

unit total revenue

Metric denominator: Unit total

7914987336.98

Scope 2 figure used

Location-based

% change from previous year

27

Direction of change

Decreased

Reason for change

Due to the global COVID-19 pandemic, the number of customers coming to CarrefourSA stores has decreased, but the e-commerce transaction volume has increased.

C7. Emissions breakdowns

C7.1

(C7.1) Does your organization break down its Scope 1 emissions by greenhouse gas type?

No

C7.2

(C7.2) Break down your total gross global Scope 1 emissions by country/region.

Country/Region	Scope 1 emissions (metric tons CO2e)
Turkey	173237

C7.3

(C7.3) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.
By activity

C7.3c

(C7.3c) Break down your total gross global Scope 1 emissions by business activity.

Activity	Scope 1 emissions (metric tons CO2e)
Diesel Consumption (generator, company vehicles)	1672
Fugitive emissions (refrigerants)	155200
Fuel - Natural Gas	3459
Company Vehicle Fuel (Benzine)	15
Fuel Oil Consumption (heating oil)	32

C7.5

(C7.5) Break down your total gross global Scope 2 emissions by country/region.

Country/Region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)	Purchased and consumed electricity, heat, steam or cooling (MWh)	Purchased and consumed low-carbon electricity, heat, steam or cooling accounted for in Scope 2 market-based approach (MWh)
Turkey	86947.78	0	199400	0

C7.6

(C7.6) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.
By activity

C7.6c

(C7.6c) Break down your total gross global Scope 2 emissions by business activity.

Activity	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Electricity Consumption		86948

C7.9**(C7.9) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?**

Remained the same overall

C7.9a**(C7.9a) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.**

	Change in emissions (metric tons CO2e)	Direction of change	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption	0	No change	0	CarrefourSA did not directly supply renewable energy in the reporting period and the previous period.
Other emissions reduction activities		<Not Applicable>		
Divestment		<Not Applicable>		
Acquisitions		<Not Applicable>		
Mergers		<Not Applicable>		
Change in output		<Not Applicable>		
Change in methodology		<Not Applicable>		
Change in boundary		<Not Applicable>		
Change in physical operating conditions		<Not Applicable>		
Unidentified		<Not Applicable>		
Other		<Not Applicable>		

C7.9b

(C7.9b) Are your emissions performance calculations in C7.9 and C7.9a based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?
Location-based

C8. Energy

C8.1

(C8.1) What percentage of your total operational spend in the reporting year was on energy?
More than 5% but less than or equal to 10%

C8.2

(C8.2) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Yes
Consumption of purchased or acquired electricity	Yes
Consumption of purchased or acquired heat	No
Consumption of purchased or acquired steam	No
Consumption of purchased or acquired cooling	No
Generation of electricity, heat, steam, or cooling	No

C8.2a

(C8.2a) Report your organization's energy consumption totals (excluding feedstocks) in MWh.

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)	LHV (lower heating value)	0	17842	17842
Consumption of purchased or acquired electricity	<Not Applicable>	86918.84	112482.03	199400.86
Consumption of purchased or acquired heat	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired steam	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired cooling	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of self-generated non-fuel renewable energy	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Total energy consumption	<Not Applicable>	86918.84	130324	217243

C8.2b

(C8.2b) Select the applications of your organization's consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	Yes
Consumption of fuel for the generation of heat	Yes
Consumption of fuel for the generation of steam	No
Consumption of fuel for the generation of cooling	No
Consumption of fuel for co-generation or tri-generation	No

C8.2c

(C8.2c) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Fuels (excluding feedstocks)

Natural Gas

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

17097.29

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

17097.29

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

<Not Applicable>

Emission factor

0.00194

Unit

metric tons CO2e per m3

Emissions factor source

The combined tonne CO2-e value was calculated using the UK DEFRA 2020 Emission Factors, multiplied by the appropriate coefficients.

Comment

Fuels (excluding feedstocks)

Diesel

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

6026.39

MWh fuel consumed for self-generation of electricity

1719.07

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

<Not Applicable>

Emission factor

0.00273

Unit

metric tons CO2e per liter

Emissions factor source

The combined tonne CO2-e value was calculated using the UK DEFRA 2020 Emission Factors, multiplied by the appropriate coefficients.

Comment

Fuels (excluding feedstocks)

Motor Gasoline

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

57.61

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

<Not Applicable>

Emission factor

0.00227

Unit

metric tons CO2e per liter

Emissions factor source

The combined tonne CO2-e value was calculated using the UK DEFRA 2020 Emission Factors, multiplied by the appropriate coefficients.

Comment

C9. Additional metrics

C9.1

(C9.1) Provide any additional climate-related metrics relevant to your business.

C10. Verification

C10.1

(C10.1) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	Third-party verification or assurance process in place
Scope 3	Third-party verification or assurance process in place

C10.1a

(C10.1a) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

[CarrefourSA Limited Assurance Report_2020_ENG.pdf](#)

Page/ section reference

Verification of Scope 1 emissions can be found on page 6.

Relevant standard

ISAE3000

Proportion of reported emissions verified (%)

100

C10.1b

(C10.1b) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Scope 2 approach

Scope 2 location-based

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

[CarrefourSA Limited Assurance Report_2020_ENG.pdf](#)

Page/ section reference

Verification of Scope 2 emissions can be found on page 6.

Relevant standard

ISAE3000

Proportion of reported emissions verified (%)

100

C10.1c

(C10.1c) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.

Scope 3 category

Scope 3: Business travel

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

[CarrefourSA Limited Assurance Report_2020_ENG.pdf](#)

Page/section reference

Verification of Scope 3 emissions can be found on page 6.

Relevant standard

ISAE3000

Proportion of reported emissions verified (%)

100

Scope 3 category

Scope 3: Employee commuting

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement[CarrefourSA Limited Assurance Report_2020_ENG.pdf](#)**Page/section reference**

Verification of Scope 3 emissions can be found on page 6.

Relevant standard

ISAE3000

Proportion of reported emissions verified (%)

100

C10.2**(C10.2) Do you verify any climate-related information reported in your CDP disclosure other than the emissions figures reported in C6.1, C6.3, and C6.5?**

Yes

C10.2a**(C10.2a) Which data points within your CDP disclosure have been verified, and which verification standards were used?**

Disclosure module verification relates to	Data verified	Verification standard	Please explain
C2. Risks and opportunities	Emissions reduction activities	ISAE3000 International Standard on	An energy saving of 249,000 kWh was achieved by replacing the lighting luminaires in CarrefourSA stores. Thus, the emission of 115,000 kg of greenhouse gas

Disclosure module verification relates to	Data verified	Verification standard	Please explain
		Assurance Engagements	was prevented. These environmental benefits have been verified according to the ISAE3000 standard. CarrefourSA Limited Assurance Report_2020_ENG.pdf
C8. Energy	Energy consumption	ISAE3000 International Standard on Assurance Engagements	Electricity, natural gas, gasoline, diesel, LPG and refrigerant gas consumption amounts of CarrefourSA have been verified according to the ISAE3000 standard. CarrefourSA Limited Assurance Report_2020_ENG.pdf
C6. Emissions data	Other, please specify (Emissions Intensity)	ISAE3000 International Standard on Assurance Engagements	In the reporting period, the carbon footprint of CarrefourSA was 0.0000329 tons of CO2e for every 1 TL revenue. This data has been verified according to the ISAE3000 standard. CarrefourSA Limited Assurance Report_2020_ENG.pdf

C11. Carbon pricing

C11.1

(C11.1) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?

No, and we do not anticipate being regulated in the next three years

C11.2

(C11.2) Has your organization originated or purchased any project-based carbon credits within the reporting period?

No

C11.3

(C11.3) Does your organization use an internal price on carbon?

No, and we do not currently anticipate doing so in the next two years

C12. Engagement

C12.1

(C12.1) Do you engage with your value chain on climate-related issues?

Yes, our suppliers

Yes, our customers

C12.1a

(C12.1a) Provide details of your climate-related supplier engagement strategy.

Type of engagement

Engagement & incentivization (changing supplier behavior)

Details of engagement

Run an engagement campaign to educate suppliers about climate change

% of suppliers by number

% total procurement spend (direct and indirect)

14

% of supplier-related Scope 3 emissions as reported in C6.5

Rationale for the coverage of your engagement

CarrefourSA has over 400 private-label products. The sales volume of these products compared to the previous year

increased by 45 percent. Its share in total sales increased from 5% to 14%. CarrefourSA's investments in these private label products, whose prices are up to 40 percent more affordable, will continue. Therefore, within the framework of a sustainability strategy, the company has started to examine the impact of its own branded products on climate change originating from the supply chain. The company will encourage its suppliers to support low carbon economy transition.

Impact of engagement, including measures of success

As part of the strategy, suppliers will be encouraged to analyze their products from a life-cycle perspective. One of the approaches to be suggested here is to carry out EPD documentation. Based on LCA (Life Cycle Assessment) and ISO 14040-44 standard, this statement presents 24 environmental impact performance on product basis separately at many life cycle stages such as raw material, production, use, disposal. Global Warming Potential impact is one of the main reported environmental performance indicators.

Comment

C12.1b

(C12.1b) Give details of your climate-related engagement strategy with your customers.**Type of engagement**

Education/information sharing

Details of engagement

Share information about your products and relevant certification schemes (i.e. Energy STAR)

% of customers by number**% of customer - related Scope 3 emissions as reported in C6.5****Portfolio coverage (total or outstanding)**

<Not Applicable>

Please explain the rationale for selecting this group of customers and scope of engagement

1. CarrefourSA has developed the Come With Your Own Container service model to reduce the climate-related impacts of its customers caused by packaging waste. Thus, customers will be able to purchase products with their own containers instead of disposable packaging.

2. CarrefourSA sold 1,032,933 cloth bags in the reporting year. By this means, it has ensured that the consumption of single-use plastic bags of its customers is reduced.

3. With the CarrefourSA Domestic Fattening ("Yerli Besi") project, it supports the logistics-based carbon footprint of meat products to be less. It carries out the communication of this project through promotional films and e-commerce page.

In addition, the carbon footprint of organic agricultural products is lower than conventional agriculture. CarrefourSA's product portfolio includes various organic products.

4. CarrefourSA collects waste vegetable oils from its customers in its stores and supports its conversion to biodiesel.

Impact of engagement, including measures of success**C12.3****(C12.3) Do you engage in activities that could either directly or indirectly influence public policy on climate-related issues through any of the following?**

Direct engagement with policy makers

Trade associations

Other

C12.3a**(C12.3a) On what issues have you been engaging directly with policy makers?**

Focus of legislation	Corporate position	Details of engagement	Proposed legislative solution
Other, please specify (Zeor Waste Regulation)	Support	The legal department requests opinions from the relevant units for each newly developed or revised legislation. Occupational Health and Safety, Quality Assurance, Environment and Sustainability Group Manager conveys team's views on related issues to policy makers on behalf of the CarrefourSA.	

C12.3b

(C12.3b) Are you on the board of any trade associations or do you provide funding beyond membership?

Yes

C12.3c

(C12.3c) Enter the details of those trade associations that are likely to take a position on climate change legislation.

Trade association

Food Retailers Association

Is your position on climate change consistent with theirs?

Mixed

Please explain the trade association's position

This association holds members from retail sector in Turkey. It has capability to influence policy makers about several subjects. They conduct meeting, workshops and brainstorming sessions within its members.

How have you influenced, or are you attempting to influence their position?

CarrefourSA is active member of this association and its subworking groups on different subjects therefore however it influences other, we always have a say.

Trade association

Istanbul Chamber of Commerce (ICOC)

Is your position on climate change consistent with theirs?

Consistent

Please explain the trade association's position

ICOC's mission is to support the development of all aspects of economic and commercial life in Turkey

How have you influenced, or are you attempting to influence their position?

CEO of CarrefourSA is an active member of the council.

C12.3e

(C12.3e) Provide details of the other engagement activities that you undertake.

CarrefourSA has membership for different non-governmental organizations. For example, thanks to CarrefourSA's cooperation with Whole Surplus (Fazla Gıda) , which brings CarrefourSA's surplus products to the economy, environment and society, approximately 500 kg of food was saved from being waste in the reporting period. A revenue of 4,082 TL was obtained from food products and 72,151 TL from non-food products. CarrefourSA has saved its products, whose packaging is broken, whose expiry date is approaching, which cannot be sold to the customer, but which are suitable for human consumption, from being waste by cooperating with the surplus food organization. 13% of the food waste in the world originates from the food retail sector. Carbon emission originating from Food Waste constitutes 8% of carbon emissions that cause Climate Change. In addition to correct stock management and daily production methods, CarrefourSA reduce its carbon footprint by minimizing its food losses with this practice.

C12.3f

(C12.3f) What processes do you have in place to ensure that all of your direct and indirect activities that influence policy are consistent with your overall climate change strategy?

Occupational Health and Safety, Quality Assurance, Environment and Sustainability (OHSQAES) Group Manager is responsible for developing internal and external stakeholder relations. Parallel to the Sabancı Holding strategy, He coordinates with other group managers for the execution of the strategy. He organizes capacity building meetings in order to make sustainability a way of doing business. He makes presentations and reports to the senior management about the functioning of the works carried out once a year / 6 months. The legal department requests opinions from the relevant units for each newly developed or revised legislation. OHSQAES Group Manager conveys team's views on climate change-related issues to policy makers on behalf of the CarrefourSA.

The Sustainability Leadership Committee, chaired by the Human Resources and Sustainability Group President on the Executive Board, ensures that the Holding and Group companies are on the same page in terms of sustainability goals and actions. The Committee is also responsible for monitoring the progress made toward the goals and actions included in the Group's Sustainability Roadmap, and for monitoring the efforts to manage risks that may adversely affect Sabancı's reputation and operations in ESG areas. It monitors international developments, public regulations and trends in sustainability, and advises the Thematic Task Forces accordingly. The Committee encourages the deployment of expertise and best practices among Group companies. The Chair of the Committee informs

the Holding Board of Directors and the Corporate Governance, Appointment and Remuneration Committee every six months and receives their guidance and approval. With Full Members consisting of all Strategic Business Unit Presidents, the Director of Corporate Communication, and the Director of Investor Relations, the Committee is also open to the participation of the relevant stakeholders upon invitation. In addition, a pool of experts from the focus areas of the Sustainability Roadmap was created. Its purpose is to provide the technical basis for the Committee's decisions on critical issues and guide the Committee on global trends. The Sustainability Directorate is responsible for the coordination of works.

C12.4

(C12.4) Have you published information about your organization's response to climate change and GHG emissions performance for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

Publication

In mainstream reports

Status

Complete

Attach the document

[CSA20_Faaliyet.pdf](#)

Page/Section reference

Page 56, 57, 58.

Content elements

Other, please specify (Emission reduction activities)

Comment

CarrefourSA 2020 Annual Report is included environmental protection activities.

C15. Signoff

C-FI

(C-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

-

C15.1

(C15.1) Provide details for the person that has signed off (approved) your CDP climate change response.

	Job title	Corresponding job category
Row 1	HS, Quality Assurance, Environment and Sustainability Group Manager	Environment/Sustainability manager

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I am submitting to	Public or Non-Public Submission
I am submitting my response	Investors	Public

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