

# Welcome to your CDP Water Security Questionnaire 2023

## W0. Introduction

### W0.1

#### **(W0.1) Give a general description of and introduction to your organization.**

Duran Dogan Packaging was established in 2005 by the merger of the two most experienced and well-known companies in the packaging sector: Duran Offset and Dogan Packaging. Ali Duran established Duran Offset, in 1953. The company soon became most recognized and well respected in the sector by introducing new and various packaging solutions. The company has been quoted in Borsa Istanbul since 1991.

Duran Doğan and LGR Amballages, became partners in 2013. The two companies combined their experience and know-how to become the leading packaging converter in the sector. Presently, the Company has over 320 qualified employees to provide the best quality at the best service level. Duran Dogan's customer portfolio includes leading global brands and companies, expecting the highest quality for their packaging.

At Duran Dogan internal processes consists of design, fluting, film lamination, die-cutting, printing, gluing, foiling, and special applications. However, the greenhouse gas (GHG) emissions caused by purchased goods, upstream and downstream transportation-distribution causes more GHG emission compared with any other activity or process that are evaluated in the GHG inventory.

At Duran Dogan, all our internal processes and external dealings are managed by the global enterprise resource planning software package SAP (Systems, Applications, and Products). The production data are collected real time from the manufacturing machines via OM Partners production & planning software. In addition to those, all company internal processes are now being monitored by the EBS system, which allows Duran Dogan to monitor yearly performance figures online.

Fulfilling all our responsibilities regarding carbon management is an integral part of our company's culture in our world where global warming and climate change are increasingly felt, and natural resources are gradually disappearing. In all the decisions we make, our priority is to protect the environment and recycle as much as possible. To achieve our sustainability ambition and strategy, we track and report on the activities that were part of our sustainability

journey. Increased thermal efficiency by insulation to achieve heating and cooling savings, Solar energy system installed on the roof of the company building that provides energy for office lightning, Natural gas savings caused by oil temperature of the air compressor with heat exchanger system, Electrification of pallet trucks and forklifts. To contribute to the Circular Economy, PET film wastes from the transfer metallization process are processed in the Recycling Line and turned into high-quality PET granules. Raw materials are produced from waste films for the plastics industry with this activity.

Duran Dogan is a member of ECMA and IPGCC. The Company has two production sites Hadımköy and Omerli within the Istanbul Metropole with a total closed area of about 18 000 sqm and 6 000 sqm, respectively. Both manufacturing sites are equipped with central air conditioning providing a 24-hour atmosphere with constant temperature and moisture. Duran Dogan is accredited with ISO 9001, ISO 14001, HACCP, BRC/IOP, AIB and FSC, OHSAS 18001, SEDEX, DISNEY certificates, guaranteeing the most hygienic environment for producing direct food contact and pharmaceutical packaging. Omerli site produces inline corrugated cardboard, E+F+G+B wave corrugated cardboard. Export sales represent 50% of the overall sales. Main countries of export are the U.K, Ireland, Belgium, France, U.S.A and Russia.

Duran Doğan Basım ve Ambalaj A.Ş. has been developing and implementing project to raise awareness of the whole society beginning from its employees for protection of natural resources and sustainable development in order to leave more livable world for future generations.

## W0.2

**(W0.2) State the start and end date of the year for which you are reporting data.**

	Start date	End date
Reporting year	January 1, 2022	December 31, 2022

## W0.3

**(W0.3) Select the countries/areas in which you operate.**

Turkey

## W0.4

**(W0.4) Select the currency used for all financial information disclosed throughout your response.**

TRY

## W0.5

**(W0.5) Select the option that best describes the reporting boundary for companies, entities, or groups for which water impacts on your business are being reported.**

Companies, entities or groups in which an equity share is held

## W0.6

**(W0.6) Within this boundary, are there any geographies, facilities, water aspects, or other exclusions from your disclosure?**

No

## W0.7

**(W0.7) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?**

Indicate whether you are able to provide a unique identifier for your organization.	Provide your unique identifier
Yes, an ISIN code	TRADUROF91D4

## W1. Current state

### W1.1

**(W1.1) Rate the importance (current and future) of water quality and water quantity to the success of your business.**

	Direct use importance rating	Indirect use importance rating	Please explain
Sufficient amounts of good quality freshwater available for use	Not very important	Neutral	Our manufacturing processes do not demand water. However, forestry products are our raw materials for which water is crucial to make the supply viable and sustainable. Hence, embodied or indirect water use important. DDpack does not expect our water dependency, or our judgement of its importance to our operations, to change in the foreseeable future for both direct and indirect use.
Sufficient amounts of recycled, brackish and/or produced water available for use	Not very important	Not very important	Water recovered from our own domestic use is utilized for gardening and landscaping, but the amount of such water is rather low due to the low level of consumption. Details of our water use is verified by an independent third-party. Future direct use of water is not likely to change significantly, though has potential to increase to meet the need of increased. DDpack's approach to supply chain risk management is multifaceted. DDpack is defined the strategies on this topic. Alternative suppliers have been determined to avoid disruption in the supply chain.

## W1.2

**(W1.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?**

	% of sites/facilities/operations	Frequency of measurement	Method of measurement	Please explain
Water withdrawals – total volumes	100%	Monthly	We measure water withdrawals using flow meters.	Our total water withdrawal and the distribution of this according to sources and facilities are measured by flowmeters and reported monthly.
Water withdrawals – volumes by source	100%	Monthly	We measure water withdrawals by source using flow meters.	Our total water withdrawal and the distribution of this according to sources and facilities are measured by flowmeters and reported monthly.
Water withdrawals quality	100%	Monthly	We measure water quality using third party sourced laboratory.	Since water is not used in our process, water quality is not a very important parameter for us. For this reason, we receive service from 3rd party laboratories for measurement from certain periods.
Water discharges – total volumes	100%	Monthly	We measure water discharge using flow meters.	Our total water discharge amount and the distribution of this according to sources and facilities are measured by

				flowmeters and reported monthly.
Water discharges – volumes by destination	100%	Monthly	We measure water discharge per destination using flow meters.	Our total water discharge amount and the distribution of this according to sources and facilities are measured by flowmeters and reported monthly.
Water discharges – volumes by treatment method	100%	Monthly	We measure water discharge by treatment method using flow meters.	Our total water discharge amount and the distribution of this according to sources and facilities are measured by flowmeters and reported monthly.
Water discharge quality – by standard effluent parameters	100%	Monthly	We measure discharge quality using third party sourced laboratory.	Our discharge parameters are monitored regularly.
Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)	100%	Monthly	We measure discharge quality using third party sourced laboratory.	Our discharge parameters are monitored regularly.
Water discharge quality – temperature	100%	Monthly	We measure temperature via thermometer in place.	Our discharge parameters are monitored regularly.
Water consumption – total volume	100%	Monthly	We measure consumption via calculation.	Since our processes have no severe water consumption, our whole water consumption is

				nearly for domestic use. Therefore it is not possible to make any measurements. For this reason, we calculate our consumption by theoretical calculation.
Water recycled/reused	100%	Monthly	We measure recycled/reuse water using flow meters.	Our recycled water are measured by flowmeters and reported monthly.
The provision of fully-functioning, safely managed WASH services to all workers	100%	Monthly	WASH services figures are generally measured as a calculation.	Our WASH service figures are measured by flowmeters and reported monthly.

## W1.2b

**(W1.2b) What are the total volumes of water withdrawn, discharged, and consumed across all your operations, how do they compare to the previous reporting year, and how are they forecasted to change?**

	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Five-year forecast	Primary reason for forecast	Please explain
Total withdrawals	12.99	About the same	Increase/decrease in business activity	Lower	Investment in water-smart technology/processes	Since there is no serious water consumption in our production process, there may be seasonal or instantaneous consumption

					<p>n fluctuations. There are no reasons to cause a high increase or decrease between the last year and the reporting year. However, thanks to the recycling systems and efficiency projects we have invested in in recent years, our water withdrawals will decrease.</p> <p>The replacement intervals are determined by the change in our company's water- related impacts and the level of importance to us.</p> <p>0% - 17.5%</p>
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						about the same 17.5%- 60% higher or lower over >70%: much higher or lower.
Total discharges	12.66	About the same	Increase/decrease in business activity	Lower	Investment in water-smart technology/processes	Since there is no serious water consumption in our production process, there may be seasonal or instantaneous consumption fluctuations. There are no reasons to cause a high increase or decrease between the last year and the reporting year. However, thanks to the gray water recovery system we have invested in in recent years, our



						<p>water discharge will decrease.</p> <p>The replacement intervals are determined by the change in our company's water-related impacts and the level of importance to us.</p> <p>0% - 17.5% about the same              17.5%- 60% higher or lower              over &gt;70%: much higher or lower.</p>
Total consumption	0.34	About the same	Increase/decrease in business activity	Lower	Increase/decrease in efficiency	<p>Since there is no serious water consumption in our production process, there may be seasonal or instantaneous consumption fluctuations.</p>

						<p>There are no reasons to cause a high increase or decrease between the last year and the reporting year. However, thanks to the recycling systems and efficiency projects we have invested in in recent years, our water consumption will decrease.</p> <p>The replacement intervals are determined by the change in our company's water-related impacts and the level of importance to us.</p> <p>0% - 17.5% about the same</p>
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							17.5%- 60% higher or lower over >70%: much higher or lower.
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## W1.2d

(W1.2d) Indicate whether water is withdrawn from areas with water stress, provide the proportion, how it compares with the previous reporting year, and how it is forecasted to change.

	Withdrawals are from areas with water stress	% withdrawn from areas with water stress	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Five-year forecast	Primary reason for forecast	Identification tool	Please explain
Row 1	Yes	100%	About the same	Increase/decrease in business activity	Lower	Investment in water-smart technology/process	WRI Aqueduct	We expect our water withdrawal to decrease thanks to our infrastructure investment and other efficiency projects for the reuse of gray water. In this way, we will consume less water than in areas with

								water stress.
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## W1.2h

(W1.2h) Provide total water withdrawal data by source.

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Not relevant				We dont use Relevance Volume (megaliters/year) ) Comparison with previous reporting year Primary reason for comparison with previous reporting year Please explain Fresh surface water, including rainwater, water from wetlands, rivers, and lakes
Brackish surface water/Seawater	Not relevant				We dont use brackish surface water/Seawater
Groundwater – renewable	Not relevant				We dont use groundwater – renewable.
Groundwater – non-renewable	Relevant	12.99	About the same	Increase/decrease in business activity	WE use only groundwater as a withdrawal source. Since there is no serious water withdrawal in our production

					<p>process, there may be seasonal or instantaneous consumption fluctuations. There are no reasons to cause a high increase or decrease between the last year and the reporting year. However, thanks to the recycling systems and efficiency projects we have invested in in recent years, our water consumption will decrease.</p> <p>The replacement intervals are determined by the change in our company's water-related impacts and the level of importance to us.</p> <p>0% - 17.5%                  about the same                  17.5%- 60%                  higher or lower                  over                  &gt;70%: much                  higher or lower.</p>
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Produced/Entrained water	Not relevant				There is no produced water in our facilities.
Third party sources	Not relevant				we dont use the 3rd part sources water.

## W1.2i

(W1.2i) Provide total water discharge data by destination.

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water	Not relevant				All of the wastewater is discharged from the 3rd party wastewater channel.
Brackish surface water/seawater	Not relevant				All of the wastewater is discharged from the 3rd party wastewater channel.
Groundwater	Not relevant				All of the wastewater is discharged from the 3rd party wastewater channel.
Third-party destinations	Relevant	12.66	About the same	Increase/decrease in business activity	<p>All of the wastewater is discharged from the 3rd party wastewater channel.</p> <p>The used equation is Discharge=Withdrawal-Consumption</p> <p>The replacement intervals are determined by the change in our company's water-related impacts and the level of importance to us.</p>

					<p>0% - 17.5% about the same</p> <p>17.5%- 60% higher or lower over</p> <p>&gt;70%: much higher or lower.</p>
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## W1.2j

**(W1.2j) Within your direct operations, indicate the highest level(s) to which you treat your discharge.**

	Relevance of treatment level to discharge	Volume (megaliters/year)	Comparison of treated volume with previous reporting year	Primary reason for comparison with previous reporting year	% of your sites/facilities/operations this volume applies to	Please explain
Tertiary treatment	Not relevant					We use only pre treatment before the discharge.
Secondary treatment	Not relevant					We use only pre treatment before the discharge.
Primary treatment only	Relevant	12.66	About the same	Increase/decrease in business activity	100%	All of the wastewater is discharged from the 3rd party wastewater channel. Pre-treatment is done before discharge. Inspection

						<p>and measurement are made according to local regulations .</p> <p>The replacement intervals are determined by the change in our company's water-related impacts and the level of importance to us.</p> <p>0% - 17.5% about the same          17.5%-60% higher or lower          &gt;70%: much higher or lower.</p>
Discharge to the natural environment without treatment	Not relevant					We use only pre treatment before the discharge.



Discharge to a third party without treatment	Not relevant					We use only pre treatment before the discharge.
Other	Not relevant					We use only pre treatment before the discharge.

## W1.2k

**(W1.2k) Provide details of your organization's emissions of nitrates, phosphates, pesticides, and other priority substances to water in the reporting year.**

	Emissions to water in the reporting year (metric tonnes)	Category(ies) of substances included	List the specific substances included	Please explain
Row 1	516.5	Priority substances listed under the EU Water Framework Directive	COD	There are no measurements for nitrate and phosphate. For this reason, the COD has been declared.

## W1.3

**(W1.3) Provide a figure for your organization's total water withdrawal efficiency.**

	Revenue	Total water withdrawal volume (megaliters)	Total water withdrawal efficiency	Anticipated forward trend
Row 1	1,241,670,494	12.99	95,586,643.1100847	Our water consumption is almost the same, but the reporting year efficiency figure has increased by 104% compared to last year as our revenue has increased.

## W1.4

**(W1.4) Do any of your products contain substances classified as hazardous by a regulatory authority?**

Products contain hazardous substances	Comment

Row 1	No	Our wastewater is similar to domestic sewage in terms of criteria. Does not contain any substances classified as hazardous by a regulatory authority.
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## W1.5

**(W1.5) Do you engage with your value chain on water-related issues?**

	Engagement
Suppliers	Yes
Other value chain partners (e.g., customers)	Yes

## W1.5a

**(W1.5a) Do you assess your suppliers according to their impact on water security?**

Row 1

### Assessment of supplier impact

Yes, we assess the impact of our suppliers

### Considered in assessment

Supplier dependence on water

Supplier impacts on water availability

Supplier impacts on water quality

### Number of suppliers identified as having a substantive impact

61

### % of total suppliers identified as having a substantive impact

76-99

### Please explain

Our approach taken to assess a supplier's impact on water security is about the material type we used. We keep our suppliers of our main raw materials such as cardboard, plastic film, resin and ink in this category. Apart from these, suppliers from which purchases such as basic necessities and office supplies are made are not in the scope yet. Already, the purchases we make from our raw material suppliers are almost 90% on the basis of expenditure.

## W1.5b

**(W1.5b) Do your suppliers have to meet water-related requirements as part of your organization's purchasing process?**

	Suppliers have to meet specific water-related requirements
Row 1	Yes, water-related requirements are included in our supplier contracts

## W1.5c

**(W1.5c) Provide details of the water-related requirements that suppliers have to meet as part of your organization's purchasing process, and the compliance measures in place.**

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### **Water-related requirement**

Complying with going beyond water-related regulatory requirements

### **% of suppliers with a substantive impact required to comply with this water-related requirement**

76-99

### **% of suppliers with a substantive impact in compliance with this water-related requirement**

76-99

### **Mechanisms for monitoring compliance with this water-related requirement**

Certification  
Fines and penalties  
Supplier self-assessment

### **Response to supplier non-compliance with this water-related requirement**

Retain and engage

### **Comment**

We expect our suppliers to comply with the local regulations of the country in which they are located and to meet the legal limits regarding water.

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### **Water-related requirement**

Reducing total water withdrawal volumes

### **% of suppliers with a substantive impact required to comply with this water-related requirement**

76-99

### **% of suppliers with a substantive impact in compliance with this water-related requirement**

51-75

### **Mechanisms for monitoring compliance with this water-related requirement**

On-site third-party audit  
Supplier self-assessment

### **Response to supplier non-compliance with this water-related requirement**

Retain and engage

**Comment**

We expect our suppliers to reduce the amount of water they consume. Many of our customers present data on this issue in new projects. We follow up with the information they have given and the reports and certificates they have.

## W1.5d

**(W1.5d) Provide details of any other water-related supplier engagement activity.**

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**Type of engagement**

Information collection

**Details of engagement**

Collect water management information at least annually from suppliers

Collect water quantity information at least annually from suppliers (e.g., withdrawal and discharge volumes)

Collect water quality information at least annually from suppliers (e.g., discharge quality, pollution incidents, hazardous substances)

**% of suppliers by number**

76-99

**% of suppliers with a substantive impact**

76-99

**Rationale for your engagement**

Many of our environmental impacts come from the supply chain. For this reason, the environmental effects of our suppliers during their production are more important than our own water consumption. That's why we're following it.

**Impact of the engagement and measures of success**

We constantly ask our suppliers to send us their new work on water security. Our suppliers inform us about their water consumption reduction or new technologies compared to previous years. At the same time, we encourage them to do more of these studies. Each year more efficiency, new technology and reduction projects are communicated to us, showing the measure of our success.

**Comment**

There is no additional comment.

## W1.5e

**(W1.5e) Provide details of any water-related engagement activity with customers or other value chain partners.**

### Type of stakeholder

Investors & shareholders

### Type of engagement

Innovation & collaboration

### Details of engagement

Collaborate with stakeholders on innovations to reduce water impacts in products and services

### Rationale for your engagement

We are constantly trying to develop new projects in order to reduce our environmental impacts. From time to time, we need new investments for these. Our stakeholders such as the EBRD support us in these matters. For example, we can produce plastic-free packaging with an investment we call Gloss&Green, and we especially support to reduce the plastic-induced pollution of the aquatic environment.

### Impact of the engagement and measures of success

Thanks to the above-mentioned project, we recycled approximately 545278 kg of plastic in 2022 and prevented it from going into the nature. In this way, we both produced a recyclable and plastic-free packaging and prevented the re-production of 545 tons of plastic.

## W2. Business impacts

### W2.1

**(W2.1) Has your organization experienced any detrimental water-related impacts?**

No

### W2.2

**(W2.2) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?**

	Water-related regulatory violations	Comment
Row 1	No	In the reporting year, we did not face any fines, enforcement orders and/or other penalties for violations of water-related legislation.

## W3. Procedures

### W3.1

**(W3.1) Does your organization identify and classify potential water pollutants associated with its activities that could have a detrimental impact on water ecosystems or human health?**

	Identification and classification of potential water pollutants	How potential water pollutants are identified and classified
Row 1	Yes, we identify and classify our potential water pollutants	In order to identify and classify potential water pollutants that may have harmful effects on water bodies and ecosystems, we check both our own and our suppliers' water withdrawal sources through WRI Aquaduct. However, we follow ISO 14046. We use independent wastewater reports and suppliers' own declarations to identify pollutants. The parameters are compared according to the local limit values of the relevant country.

### W3.1a

**(W3.1a) Describe how your organization minimizes the adverse impacts of potential water pollutants on water ecosystems or human health associated with your activities.**

#### Water pollutant category

Other nutrients and oxygen demanding pollutants

#### Description of water pollutant and potential impacts

Chemical oxygen demand is the amount of oxygen needed to oxidize the organic matter present in water. Chemical oxygen demand testing is used to determine the amount of oxidation that will occur and the amount of organic matter in a water sample.

#### Value chain stage

Direct operations

#### Actions and procedures to minimize adverse impacts

Provision of best practice instructions on product use  
Reduction or phase out of hazardous substances

#### Please explain

Pollution occurs in wastewater originating from the raw materials we consume. We measure this through independent test laboratories. We measure and track success according to the change in annual measurements.

## W3.3

### (W3.3) Does your organization undertake a water-related risk assessment?

Yes, water-related risks are assessed

## W3.3a

### (W3.3a) Select the options that best describe your procedures for identifying and assessing water-related risks.

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#### Value chain stage

Direct operations  
Supply chain

#### Coverage

Full

#### Risk assessment procedure

Water risks are assessed in an environmental risk assessment

#### Frequency of assessment

Annually

#### How far into the future are risks considered?

1 to 3 years

#### Type of tools and methods used

Tools on the market  
Enterprise risk management  
International methodologies and standards  
Databases

#### Tools and methods used

WRI Aqueduct  
ISO 31000 Risk Management Standard  
Environmental Impact Assessment  
Life Cycle Assessment  
Regional government databases  
Other, please specify  
(ISO 14001 - Certification Company Audits)

#### Contextual issues considered

Water regulatory frameworks  
Status of ecosystems and habitats  
Access to fully-functioning, safely managed WASH services for all employees

#### Stakeholders considered

Customers  
Employees  
Investors  
Local communities

### **Comment**

As part of our ISO 14001 Environmental Management System, we evaluate "Natural Resource Usage" related risks. Water risk is identified as low risk due to the limited use of water in our manufacturing processes. Water risk is also part of business risk assessments and also for that, the risk is rather low. At the same time, risks have been evaluated within the scope of life cycle as required by management systems. The water security risk assessments are include the value chain and supply chain also.

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### **Value chain stage**

Supply chain

### **Coverage**

Full

### **Risk assessment procedure**

Water risks are assessed as part of an established enterprise risk management framework

### **Frequency of assessment**

Annually

### **How far into the future are risks considered?**

1 to 3 years

### **Type of tools and methods used**

Tools on the market  
Enterprise risk management  
International methodologies and standards  
Databases

### **Tools and methods used**

WRI Aqueduct  
ISO 31000 Risk Management Standard  
Environmental Impact Assessment  
Regional government databases  
Other, please specify  
Supplier Questionnaires

### **Contextual issues considered**

Water availability at a basin/catchment level  
Stakeholder conflicts concerning water resources at a basin/catchment level  
Impact on human health



**Stakeholders considered**

- Customers
- Investors
- Local communities
- NGOs
- Suppliers

**Comment**

We are well aware of our suppliers’ risks where we think availability of water is crucial for our raw materials supply. Our suppliers’ water risks are considered higher. Therefore, this is taken into consideration during business risk assessments.

**W3.3b**

**(W3.3b) Describe your organization’s process for identifying, assessing, and responding to water-related risks within your direct operations and other stages of your value chain.**

	Rationale for approach to risk assessment	Explanation of contextual issues considered	Explanation of stakeholders considered	Decision-making process for risk response
Row 1	There are some topics that we take into account while conducting a risk assessment. First of all, it is checked whether the water withdrawal source or discharge point is in the water stress area. In doing so, we make use of the WRI Aquaduct tool. The second topic is the company’s overall risk assessment matrix. Human health and environmental impacts are examined with LCA or product water footprint studies if available. In addition, water withdrawal, consumption and	The effects of water-related activators on human and environmental health are evaluated. Relationships with stakeholders are evaluated. For example, if water is withdrawn from an area with water stress and the local people’s access to water is at risk, this is a very important issue.	Risk identification within the Duran Dogan Packaging is founded on a combination of topdown/bottom-up approach in order to identify potential risks at both a strategic and a local entity level. In order to identify the risks appertaining to the business, risk workshops are held at appropriate intervals or at a minimum on an annual basis. At each level, risks are identified and assessed utilizing the appropriate qualitative or quantitative tools and grouped according to their likelihood and impact. An action plan for all high risks identified are developed that includes	When assessing risk it is important that inherent risk is considered. The inherent risk is the risk to the entity in the absence of any risk reducing activities. It is important to first analyze the specific issue in terms of cause and effect. Root cause is a term that reflects the facts that risks can also arise out of strengths and opportunities. It also reflects the fact that risks can arise out of external or internal situations. Once the root cause and effect has been considered, the relevant risks can be

	<p>discharge figures are followed.</p>		<p>a description of the risk responsible individuals, risk owners and risk reducing activities assigned to measure and monitor the risks. Risk management process is composed of steps as identification and assessing the risks, developing risk management strategies, monitoring risk management performance, continually improvement of risk capabilities in line with a management system model within the operational, financial, compliance and strategic areas of the business. According to the risk assessment, business strategies and goals are reviewed on an annual basis and then integrated into business continuity/crisis management plans of our company if necessary.</p>	<p>rated and assessed in terms of impact (on the business) and likelihood. DDP uses "5*5" rating system to evaluate impact and likelihood:</p> <p>Impact guide: Likelihood: Likelihood level guide( Scoring) Very low/unlikely: The risk event is unlikely to occur (1) Low: The likelihood of the risk event occurring is low but possible (2) Moderate: Moderate likelihood of occurrence (3) Likely: The risk event is likely to occur (4) Very Likely: The risk event is very likely to occur (5) Impact: Impact Level Guide (Scoring)</p>
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## W4. Risks and opportunities

### W4.1

**(W4.1) Have you identified any inherent water-related risks with the potential to have a substantive financial or strategic impact on your business?**

Yes, both in direct operations and the rest of our value chain

### W4.1a

**(W4.1a) How does your organization define substantive financial or strategic impact on your business?**

As explained previously when it comes to assessing risk it is important that inherent risk is considered. The inherent risk is the risk to the entity in the absence of any risk reducing activities. It is important to first analyse the specific issue in terms of cause and effect. Root cause is a term that reflects the facts that risks can also arise out of strengths and opportunities. It also reflects the fact that risks can arise out of external or internal situations. Once the root cause and effect has been considered, the relevant risks can be rated and assessed in terms of impact (on the business) and likelihood. DDP uses "5x5" rating system to evaluate impact and likelihood:

Duran Dogan has established a Standard Procedure for Crisis Preparedness and Management where is mentioned that Duran Dogan's first priority is to detect emerging issues as well as real, presumed or perceived incidents related to its business sustainability, employees and production sites, and to prevent them from turning into crisis and response professionally if it occurs. Thus, Duran Dogan operates on the basis of two important principles:

- \* Crisis Prevention: - to address threatening issues and incidents as early as possible.
- \* Crisis Management: - to safeguard its consumers, employees, reputation and brands,
  - to prevent negative impact on its share price and customer/consumer relations,
  - to prevent restrictive regulation.
  - to prevent negative impacts on water security.

Water Related Risk and Opportunity Management Processes cover both production and sales operations. The process deployed at every function of the company. In order to identify the risks and opportunities appertaining to the business, risk workshops are held at a minimum on an annual basis.

## W4.1b

**(W4.1b) What is the total number of facilities exposed to water risks with the potential to have a substantive financial or strategic impact on your business, and what proportion of your company-wide facilities does this represent?**

	Total number of facilities exposed to water risk	% company-wide facilities this represents	Comment
Row 1	3	100	Our main raw material is cardboard which is made out of forestry products. Forestry products' availability might become an issue in long term. In relation with this potential market prices might increase. Our whole production might be impacted by this situation.

## W4.1c

**(W4.1c) By river basin, what is the number and proportion of facilities exposed to water risks that could have a substantive financial or strategic impact on your business, and what is the potential business impact associated with those facilities?**

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### Country/Area & River basin

Turkey  
Maritsa

### Number of facilities exposed to water risk

3

### % company-wide facilities this represents

100%

### % company's total global revenue that could be affected

100%

### Comment

According to WRI tools and our own assessments, the area we draw water from at all facilities is under water stress. Therefore, all our facilities are at risk in terms of access to water.

## W4.2

**(W4.2) Provide details of identified risks in your direct operations with the potential to have a substantive financial or strategic impact on your business, and your response to those risks.**

---

### Country/Area & River basin

Turkey  
Maritsa

### Type of risk & Primary risk driver

Acute physical  
Flood (coastal, fluvial, pluvial, groundwater)

### Primary potential impact

Closure of operations

### Company-specific description

There is a lot of precipitation in the area where one of our production facilities is located. The risk of flooding our facility is very important to us. Especially when cardboard from our raw materials gets wet, it is a material that becomes unusable.

**Timeframe**

More than 6 years

**Magnitude of potential impact**

Medium

**Likelihood**

Likely

**Are you able to provide a potential financial impact figure?**

Yes, a single figure estimate

**Potential financial impact figure (currency)**

37,648,578.3

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

**Potential financial impact figure - maximum (currency)**

**Explanation of financial impact**

There are different rates of goods in our warehouses every day. If cartons get wet in the event of a flood, they cannot be reused. The daily value of goods in the warehouse varies, but the average value is given. While making the calculation, the value of the goods in the warehouse for approximately 1 month was calculated.

The formula is: find raw material tonnage x purchase price TRY/tonne cartoon

**Primary response to risk**

Develop flood emergency plans

**Description of response**

We have an emergency management plan. Efforts have been made to update it in the flood focus.

**Cost of response**

35,000

**Explanation of cost of response**

The emergency management plan is developed by our qualified personnel. In some cases, counseling can be obtained. The expenses of the rarely received consultancy fee have been calculated.

## W4.2a

**(W4.2a) Provide details of risks identified within your value chain (beyond direct operations) with the potential to have a substantive financial or strategic impact on your business, and your response to those risks.**

---

**Country/Area & River basin**

Turkey  
Maritsa

**Stage of value chain**

Supply chain

**Type of risk & Primary risk driver**

Chronic physical  
Water scarcity

**Primary potential impact**

Disruption to sales due to value chain disruption

**Company-specific description**

We buy only recycled card board from Turkey. Water availability for recycled paper board production factories and potential regulatory changes about wastewater might increase their product prices which might also affect us. For this reason, we have started localization studies and we are turning to domestic suppliers. Considering this life cycle, it will have the effect of reducing our water footprint. At the same time, our Kaizen, 5S and lean production projects continue. We optimize our water consumption by lean production.

**Timeframe**

4-6 years

**Magnitude of potential impact**

Medium

**Likelihood**

More likely than not

**Are you able to provide a potential financial impact figure?**

Yes, a single figure estimate

**Potential financial impact figure (currency)**

19,112,915

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

**Potential financial impact figure - maximum (currency)**

**Explanation of financial impact**

We are expecting that 20 % of company's revenue might be impacted. This figure represents %20 of our reporting year revenue.

**Primary response to risk**

Direct operations  
Include in Business Continuity Plan

#### **Description of response**

Our Business Risk Assessment System requires disaster recovery plans. In addition to these plans we are planning to ask for water performance reporting from suppliers.

#### **Cost of response**

1,622,700

#### **Explanation of cost of response**

Evaluation of possibilities for disaster recovery and evaluation of new suppliers for continuity.

### **W4.3**

#### **(W4.3) Have you identified any water-related opportunities with the potential to have a substantive financial or strategic impact on your business?**

Yes, we have identified opportunities, and some/all are being realized

### **W4.3a**

#### **(W4.3a) Provide details of opportunities currently being realized that could have a substantive financial or strategic impact on your business.**

---

#### **Type of opportunity**

Resilience

#### **Primary water-related opportunity**

Increased supply chain resilience

#### **Company-specific description & strategy to realize opportunity**

We are planning to take reports from our supplier on their water performance. We will use this data in the studies done by the company water team. This team promotes water savings and efficient use of water. The team involves at least one member from each department. This opportunity affects the resilience of our suppliers for sure but at the same time it can lead to increased brand value and improved community relations.

#### **Estimated timeframe for realization**

1 to 3 years

#### **Magnitude of potential financial impact**

Low-medium

#### **Are you able to provide a potential financial impact figure?**

Yes, a single figure estimate

**Potential financial impact figure (currency)**

4,778,229

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

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

**Explanation of financial impact**

We assume our revenue will be increased by 5 % by increasing our supplier's water awareness and remediation planning.

---

**Type of opportunity**

Efficiency

**Primary water-related opportunity**

Improved water efficiency in operations

**Company-specific description & strategy to realize opportunity**

Our ISO 14001 system asks for continual improvement in environmental performance. Therefore we have water targets for each year in every department. Recycling, reuse, process modifications to minimize water usage are some of the actions we take.

Case Study:

We obtain the water used in the separate systems and toilets we realized in 2022 by treating grey water. Thanks to this system, our water consumption will decrease by 25%. We have invested approximately 6M TRY in infrastructure for the establishment of this system.

**Estimated timeframe for realization**

1 to 3 years

**Magnitude of potential financial impact**

Medium

**Are you able to provide a potential financial impact figure?**

Yes, a single figure estimate

**Potential financial impact figure (currency)**

47,550

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

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



### Explanation of financial impact

In 2022, we paid a bill of 190201TL for water withdrawal. If this system had been in place last year, our water draw would have decreased by 25% and we would have earned 47550TRY.

## W5. Facility-level water accounting

### W5.1

(W5.1) For each facility referenced in W4.1c, provide coordinates, water accounting data, and a comparison with the previous reporting year.

---

#### Facility reference number

Facility 1

#### Facility name (optional)

Hadimkoy Factory

#### Country/Area & River basin

Turkey

Maritsa

#### Latitude

28.626447

#### Longitude

41.238651

#### Located in area with water stress

Yes

#### Total water withdrawals at this facility (megaliters/year)

8.12

#### Comparison of total withdrawals with previous reporting year

About the same

#### Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

#### Withdrawals from brackish surface water/seawater

#### Withdrawals from groundwater - renewable

**Withdrawals from groundwater - non-renewable**

8.12

**Withdrawals from produced/entrained water**

**Withdrawals from third party sources**

**Total water discharges at this facility (megaliters/year)**

7.87

**Comparison of total discharges with previous reporting year**

About the same

**Discharges to fresh surface water**

**Discharges to brackish surface water/seawater**

**Discharges to groundwater**

**Discharges to third party destinations**

7.87

**Total water consumption at this facility (megaliters/year)**

0.25

**Comparison of total consumption with previous reporting year**

About the same

**Please explain**

---

**Facility reference number**

Facility 2

**Facility name (optional)**

Omerli - 1

**Country/Area & River basin**

Turkey  
Sakarya

**Latitude**

28.636609

**Longitude**

41.077051

**Located in area with water stress**

Yes

**Total water withdrawals at this facility (megaliters/year)**

4.5

**Comparison of total withdrawals with previous reporting year**

About the same

**Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

**Withdrawals from brackish surface water/seawater**

**Withdrawals from groundwater - renewable**

**Withdrawals from groundwater - non-renewable**

4.5

**Withdrawals from produced/entrained water**

**Withdrawals from third party sources**

**Total water discharges at this facility (megaliters/year)**

4.44

**Comparison of total discharges with previous reporting year**

About the same

**Discharges to fresh surface water**

**Discharges to brackish surface water/seawater**

**Discharges to groundwater**

**Discharges to third party destinations**

4.44

**Total water consumption at this facility (megaliters/year)**

0.06

**Comparison of total consumption with previous reporting year**

About the same

**Please explain**

---

**Facility reference number**

Facility 3

**Facility name (optional)**

Ömerli - 2

**Country/Area & River basin**

Turkey  
Sakarya

**Latitude**

28.633691

**Longitude**

41.120868

**Located in area with water stress**

Yes

**Total water withdrawals at this facility (megaliters/year)**

0.37

**Comparison of total withdrawals with previous reporting year**

Higher

**Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

**Withdrawals from brackish surface water/seawater**

**Withdrawals from groundwater - renewable**

**Withdrawals from groundwater - non-renewable**

0.376

**Withdrawals from produced/entrained water**

**Withdrawals from third party sources**

**Total water discharges at this facility (megaliters/year)**

0.35

**Comparison of total discharges with previous reporting year**

Higher

**Discharges to fresh surface water**

**Discharges to brackish surface water/seawater**

**Discharges to groundwater**

**Discharges to third party destinations**

0.35

**Total water consumption at this facility (megaliters/year)**

0.02

**Comparison of total consumption with previous reporting year**

About the same

**Please explain**

## W5.1a

**(W5.1a) For the facilities referenced in W5.1, what proportion of water accounting data has been third party verified?**

**Water withdrawals – total volumes**

---

**% verified**

76-100

**Verification standard used**

Monthly invoices for purchased water are verified by RINA. The verification standard is ISO 14064-3.

**Water withdrawals – volume by source**

---

**% verified**

76-100

**Verification standard used**

The water withdrawal source is verified by RINA. The verification standard is ISO 14064-3.

### Water withdrawals – quality by standard water quality parameters

---

**% verified**

Not verified

**Please explain**

### Water discharges – total volumes

---

**% verified**

76-100

**Verification standard used**

The water discharges – total volumes are verified by RINA. The verification standard is ISO 14064-3.

### Water discharges – volume by destination

---

**% verified**

Not verified

**Please explain**

### Water discharges – volume by final treatment level

---

**% verified**

Not verified

**Please explain**

### Water discharges – quality by standard water quality parameters

---

**% verified**

76-100

**Verification standard used**

The water discharges – quality by standard water quality parameters are verified by RINA. The verification standard is ISO 14064-3.

### Water consumption – total volume

---

**% verified**

Not verified

**Please explain**

## W6. Governance

### W6.1

#### (W6.1) Does your organization have a water policy?

Yes, we have a documented water policy that is publicly available

#### W6.1a

#### (W6.1a) Select the options that best describe the scope and content of your water policy.

	Scope	Content	Please explain
Row 1	Company-wide	<p>Description of business dependency on water</p> <p>Description of business impact on water</p> <p>Commitment to align with international frameworks, standards, and widely-recognized water initiatives</p> <p>Commitment to prevent, minimize, and control pollution</p> <p>Commitment to reduce or phase-out hazardous substances</p> <p>Commitment to reduce water withdrawal and/or consumption volumes in supply chain</p> <p>Commitment to safely managed Water, Sanitation and Hygiene (WASH) in local communities</p> <p>Commitment to water stewardship and/or collective action</p> <p>Commitment to the conservation of freshwater ecosystems</p>	<p>Our Environmental Policy covers natural resources such as water for mentioned content above. Our policies are published on our website.</p> <p><a href="https://www.durandogan.com/en/">https://www.durandogan.com/en/</a></p>

		<p>Commitments beyond regulatory compliance</p> <p>Reference to company water-related targets</p> <p>Recognition of environmental linkages, for example, due to climate change</p>	
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## W6.2

**(W6.2) Is there board level oversight of water-related issues within your organization?**

Yes

### W6.2a

**(W6.2a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for water-related issues.**

Position of individual or committee	Responsibilities for water-related issues
Chief Executive Officer (CEO)	<p>Our CEO who is also a member of the executive board, oversees water use among many other resource use issues within the organization with an annual meeting.</p> <p>Our SAP system records all the needed data to decide on water and other resource-related issues. We have verified our water consumption this year to an independent third-party body to benchmark in the coming years, which was a decision made by the CEO following the Sustainability Committee's recommendation.</p>

### W6.2b

**(W6.2b) Provide further details on the board's oversight of water-related issues.**

	Frequency that water-related issues are a scheduled agenda item	Governance mechanisms into which water-related issues are integrated	Please explain
Row 1	Scheduled - some meetings	<p>Monitoring implementation and performance</p> <p>Overseeing major capital expenditures</p> <p>Providing employee incentives</p>	Board Level Committee meets annually to discuss mentioned issues and take actions to better manage our precious water resources.



		Reviewing and guiding annual budgets Reviewing and guiding business plans Reviewing and guiding corporate responsibility strategy Reviewing and guiding major plans of action Reviewing and guiding risk management policies Reviewing and guiding strategy Reviewing innovation/R&D priorities Setting performance objectives	
--	--	---	--

## W6.2d

**(W6.2d) Does your organization have at least one board member with competence on water-related issues?**

	Board member(s) have competence on water-related issues	Criteria used to assess competence of board member(s) on water-related issues
Row 1	Yes	There are people who are competent on water-related issues at both our board member and director level. Our General Manager holds a bachelor's degree in mechanical engineering and an MBA. The combination of technical and strategic expertise on the sustainability operational lead of Duran Doğan correctly guides our approach to water-related issues.

## W6.3

**(W6.3) Provide the highest management-level position(s) or committee(s) with responsibility for water-related issues (do not include the names of individuals).**

**Name of the position(s) and/or committee(s)**

Chief Executive Officer (CEO)

**Water-related responsibilities of this position**

Assessing water-related risks and opportunities

- Conducting water-related scenario analysis
- Setting water-related corporate targets
- Monitoring progress against water-related corporate targets
- Managing public policy engagement that may impact water security
- Managing value chain engagement on water-related issues
- Integrating water-related issues into business strategy
- Managing annual budgets relating to water security
- Managing major capital and/or operational expenditures related to low water impact products or services (including R&D)
- Managing water-related acquisitions, mergers, and divestitures
- Providing water-related employee incentives

**Frequency of reporting to the board on water-related issues**

More frequently than quarterly

**Please explain**

Our CEO oversee resource consumption (including water and other natural resources) through annual meeting. Water consumption is recorded to the company's SAP system with all other inputs and outputs. This allows us to monitor water consumptions and targets day to day operations. In addition to this monitoring, yearly environmental management system reviews are done with all management teams where all environmental aspects are evaluated, environmental performance is reviewed, and necessary actions are taken as well as set new targets. We have verified our water consumption to an independent body this year to benchmark in the coming years.

**W6.4**

**(W6.4) Do you provide incentives to C-suite employees or board members for the management of water-related issues?**

	Provide incentives for management of water-related issues	Comment
Row 1	Yes	Yes, we provide.

**W6.4a**

**(W6.4a) What incentives are provided to C-suite employees or board members for the management of water-related issues (do not include the names of individuals)?**

	Role(s) entitled to incentive	Performance indicator	Contribution of incentives to the achievement of your organization's water commitments	Please explain
Monetary reward	Chief Executive Officer (CEO)	Improvements in water efficiency – direct operations Improvements in water efficiency – supply chain	Many units, including the CEO, have target KPIs. When these goals are met, the relevant people are rewarded. in this way, the achievement of more goals is encouraged.	

		<p>Improvements in wastewater quality – direct operations</p> <p>Improvements in wastewater quality – supply chain</p> <p>Reduction or phase-out of hazardous substances</p>		
Non-monetary reward	Board/Executive board	<p>Improvements in water efficiency – direct operations</p> <p>Improvements in water efficiency – supply chain</p> <p>Improvements in wastewater quality – direct operations</p> <p>Improvements in wastewater quality – supply chain</p> <p>Reduction or phase-out of hazardous substances</p> <p>Increased access to workplace WASH – direct operations</p> <p>Increased access to workplace WASH – supply chain</p>	<p>Our company has a suggestion system. All employees on this system can submit project proposals such as efficiency, reduction of resource consumption, reduction of water pollution. If the proposals are accepted, these people are given a non-monetary reward or a monetary reward.</p>	

## W6.5

**(W6.5) Do you engage in activities that could either directly or indirectly influence public policy on water through any of the following?**

Yes, trade associations

## W6.5a


**(W6.5a) What processes do you have in place to ensure that all of your direct and indirect activities seeking to influence policy are consistent with your water policy/water commitments?**

Our yearly committee decisions are cascaded to departments by department managers. These are reflected in yearly environmental management plan and Sustainability Manager is responsible to monitor compliance with this plan. Reports this performance to board.

## W6.6

**(W6.6) Did your organization include information about its response to water-related risks in its most recent mainstream financial report?**

Yes (you may attach the report - this is optional)

 Annual Report.pdf

## W7. Business strategy

### W7.1

**(W7.1) Are water-related issues integrated into any aspects of your long-term strategic business plan, and if so how?**

	Are water-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	Yes, water-related issues are integrated	11-15	Water issues such as potential difficulties to access raw materials, raw material price increases etc. are incorporated. Our business plans are taken into account these aspects. We know there are very little things we can do as a company. Therefore, we participate to the international bodies within our sector and play an active role to protect forests and increase amount and quality of forest. This will avoid loss in revenue due to anticipated higher raw material costs over the longer term because of a projected lack of resource availability.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	11-15	We became active member of several international body such as FSC, PEFC, IPG. FSC ensure forest stewardship that considers the impact of management regimes on forest carbon cycles and aims at maintaining, restoring or enhancing forest carbon resources. FSC standards provide strong safeguards

			for sustaining the yield of forest products, to conserve biological diversity and soils, and to maintain the ecological functions of forests and also water availability due to conservation of forestry. International Packaging Group, Association (IPG), is a global affiliation of folding carton and packaging producers and world-leading suppliers to the packaging industry. Members share a common purpose by meeting annually to exchange know-how on advanced technology, innovation and development, production methodology, exposure to world-class performance standards through plant visits and benchmarking among its members, and social-political understanding for success in an increasingly competitive global business community. We train our clients about FSC and PEFC and encourage them to use registered cardboards. We coordinate common activities with our cardboard and corrugated board suppliers in order to include them in FSC and PEFC certification chain. It is our general strategy to include our suppliers into this chain in order to serve our clients which produces products only with "FSC and PEFC" Logos.
Financial planning	Yes, water-related issues are integrated	11-15	Our business risk and opportunity assessment is linked directly to our financial planning procedure.

## W7.2

**(W7.2) What is the trend in your organization's water-related capital expenditure (CAPEX) and operating expenditure (OPEX) for the reporting year, and the anticipated trend for the next reporting year?**

Row 1

**Water-related CAPEX (+/- % change)**

0

**Anticipated forward trend for CAPEX (+/- % change)**

10

**Water-related OPEX (+/- % change)**

0

**Anticipated forward trend for OPEX (+/- % change)**

-15

### Please explain

We do not use a significant amount of water in our facilities, but we aim to reduce even current consumption. For this reason, we organize personnel training to raise awareness about the use of natural resources, including water. In the past years, we have installed drinking water treatment units in our factories to improve the quality of the water coming from the water network. However, our operating costs increase due to inflation. Although the current wastewater treatment plant is sufficient, wastewater quality will be improved for environmental safety by investing in a waste treatment plant. We have fixed operational expenses. We do not expect a significant increase in the following years. It can only increase due to inflation. In addition, we expect OPEX to decrease due to the investments we made last year.

## W7.3

### (W7.3) Does your organization use scenario analysis to inform its business strategy?

	Use of scenario analysis	Comment
Row 1	Yes	We discuss water related issues in the yearly environmental management system reviews and in sustainability committee meetings. Scenarios are used for water scarcity and security issues in supply chain. Our risk assessments are based on these scenarios.

## W7.3a

### (W7.3a) Provide details of the scenario analysis, what water-related outcomes were identified, and how they have influenced your organization's business strategy.

	Type of scenario analysis used	Parameters, assumptions, analytical choices	Description of possible water-related outcomes	Influence on business strategy
Row 1	Water-related	Our raw material, cardboard, is highly dependent to water. We assume that the water basins will face scarcity in the long term.	Raw material shortage in long term	Awareness activities in supply chain such as asking for water reporting, collaboration activities for water usage reduction, legal policy influence activities within the sector associations. Potential for diversification of our supply chain and identification of potential sources.

## W7.4

### (W7.4) Does your company use an internal price on water?

Row 1

**Does your company use an internal price on water?**

Yes

**Please explain**

Our raw materials include FSC-certified products that support responsible manufacturing. The price of this raw material is 3% higher than the standard product. These products are classified as low-impact products in terms of climate and water. For this reason, the raw material price difference is reflected in the sales price.

## W7.5

**(W7.5) Do you classify any of your current products and/or services as low water impact?**

	Products and/or services classified as low water impact	Definition used to classify low water impact	Please explain
Row 1	Yes	Our raw materials include FSC-certified products that support responsible manufacturing. The price of this raw material is 3% higher than the standard product. These products are classified as low-impact products in terms of climate and water. For this reason, the raw material price difference is reflected in the sales price.	

## W8. Targets

### W8.1

**(W8.1) Do you have any water-related targets?**

Yes

### W8.1a

**(W8.1a) Indicate whether you have targets relating to water pollution, water withdrawals, WASH, or other water-related categories.**

	Target set in this category	Please explain
Water pollution	Yes	
Water withdrawals	Yes	
Water, Sanitation, and Hygiene (WASH) services	Yes	
Other	No, and we do not plan to within the next two years	All targets are declared. There is no any other targets.

## W8.1b

**(W8.1b) Provide details of your water-related targets and the progress made.**

---

**Target reference number**

Target 1

**Category of target**

Water pollution

**Target coverage**

Company-wide (direct operations only)

**Quantitative metric**

Reduction in concentration of pollutants

**Year target was set**

2022

**Base year**

2021

**Base year figure**

40.8

**Target year**

2030

**Target year figure**

40

**Reporting year figure**

40.8

**% of target achieved relative to base year**

0

**Target status in reporting year**

New

**Please explain**

This target was setting in 2022.

---

**Target reference number**

Target 2

**Category of target**



Water withdrawals

**Target coverage**

Company-wide (direct operations only)

**Quantitative metric**

Reduction of water withdrawals from groundwater

**Year target was set**

2022

**Base year**

2021

**Base year figure**

11.29

**Target year**

2030

**Target year figure**

10

**Reporting year figure**

12.99

**% of target achieved relative to base year**

-131.7829457364

**Target status in reporting year**

New

**Please explain**

We aim to reduce water consumption with our du efficiency projects and water recycling projects.

---

**Target reference number**

Target 3

**Category of target**

Water, Sanitation and Hygiene (WASH) services

**Target coverage**

Company-wide (direct operations only)

**Quantitative metric**

Increase in the proportion of employees using safely managed drinking water services

**Year target was set**

2022

**Base year**

2022

**Base year figure**

**Target year**

2030

**Target year figure**

**Reporting year figure**

**% of target achieved relative to base year**

**Target status in reporting year**

New

**Please explain**

## W9. Verification

### W9.1

**(W9.1) Do you verify any other water information reported in your CDP disclosure (not already covered by W5.1a)?**

Yes

 LFM 04.120f\_Duran Doğan\_CDP water statement\_v1.0\_12072023.pdf

### W9.1a

**(W9.1a) Which data points within your CDP disclosure have been verified, and which standards were used?**

Disclosure module	Data verified	Verification standard	Please explain
W1 Current state	our water withdrawal values are verified for each facility.	Other, please specify ISO14046	Since our water consumption values are already calculated under carbon footprint verification, ISO 14046 standard is referenced.

## W10. Plastics

### W10.1

**(W10.1) Have you mapped where in your value chain plastics are used and/or produced?**

	Plastics mapping	Value chain stage	Please explain
Row 1	Yes	Direct operations	Our main raw material and product is cardboard packaging. cellophane coating is used only in cardboard packaging and this material is plastic.

### W10.2

**(W10.2) Across your value chain, have you assessed the potential environmental and human health impacts of your use and/or production of plastics?**

	Impact assessment	Value chain stage	Please explain
Row 1	Yes	Direct operations	Our main raw material and product is cardboard packaging. cellophane coating is used only in cardboard packaging and this material is plastic. We are investigating the effects of this material, which is PET plastic, on the environment and people. In addition, we are constantly reducing the consumption of this material.

### W10.3

**(W10.3) Across your value chain, are you exposed to plastics-related risks with the potential to have a substantive financial or strategic impact on your business? If so, provide details.**

	Risk exposure	Value chain stage	Type of risk	Please explain
Row 1	Yes	Direct operations	Regulatory	We do not face any risks at the moment. However, if cardboard packaging contains plastic, it cannot be recycled. For this reason, a regulation on recyclability may pose a risk to us.

### W10.4

**(W10.4) Do you have plastics-related targets, and if so what type?**

	Targets in place	Target type	Target metric	Please explain
--	------------------	-------------	---------------	----------------

Row 1	Yes	Plastic polymers Plastic packaging	Reduce the total weight of virgin content in plastic polymers Eliminate problematic and unnecessary plastic packaging	<p>Thanks to the plastic film separation process over the cardboard surface, the films are converted into plastic granules in the extruder, and the plastic granules obtained are used as raw materials by the film suppliers.</p> <p>This is one of Duran Doğan's contributions to the "Circular Economy".</p> <p>In Gloss &amp; Green application, the plastic film is separated from the surface of the cardboard. After this process, cardboard with metallic surface becomes recyclable. Our goal is to completely separate and recycle this plastic from the product.</p>
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## W10.5

**(W10.5) Indicate whether your organization engages in the following activities.**

	Activity applies	Comment
Production of plastic polymers	Yes	In Gloss & Green application, the plastic film is separated from the surface of the cardboard. We resell stripped plastic. (PET)
Production of durable plastic components	No	
Production / commercialization of durable plastic goods (including mixed materials)	No	
Production / commercialization of plastic packaging	No	
Production of goods packaged in plastics	No	
Provision / commercialization of services or goods that use plastic packaging (e.g., retail and food services)	No	

## W10.6

**(W10.6) Provide the total weight of plastic polymers sold and indicate the raw material content.**

Row 1

**Total weight of plastic polymers sold during the reporting year (Metric tonnes)**  
545.28

**Raw material content percentages available to report**

% post-consumer recycled content

**% post-consumer recycled content**

100

**Please explain**

In Gloss & Green application, the plastic film is separated from the surface of the cardboard. We resell stripped plastic.

## W11. Sign off

### W-FI

(W-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.

### W11.1

(W11.1) Provide details for the person that has signed off (approved) your CDP water response.

	Job title	Corresponding job category
Row 1	CEO	Chief Executive Officer (CEO)

## SW. Supply chain module

### SW0.1

(SW0.1) What is your organization's annual revenue for the reporting period?

	Annual revenue
Row 1	1,241,670,494

### SW1.1

(SW1.1) Could any of your facilities reported in W5.1 have an impact on a requesting CDP supply chain member?

Yes, CDP supply chain members buy goods or services from facilities listed in W5.1

### SW1.1a

(SW1.1a) Indicate which of the facilities referenced in W5.1 could impact a requesting CDP supply chain member.

**Facility reference number**

**Facility name**

Hadımköy Facility

**Requesting member**

Diageo Plc

**Description of potential impact on member**

Since water consumption is not an essential parameter for our production processes, the potential impacts are almost zero.

**Comment**

## SW1.2

**(SW1.2) Are you able to provide geolocation data for your facilities?**

	Are you able to provide geolocation data for your facilities?	Comment
Row 1	Yes, for all facilities	We provide geolocation each facility in relevant question.

## SW1.2a

**(SW1.2a) Please provide all available geolocation data for your facilities.**

Identifier	Latitude	Longitude	Comment
Hadimkoy Facility	28.626447	41.238651	
Omerli-1 Facility	28.636609	41.077051	
Omerli-2 Facility	28.636609	41.077051	

## SW2.1

**(SW2.1) Please propose any mutually beneficial water-related projects you could collaborate on with specific CDP supply chain members.**

**Requesting member**

Diageo Plc

**Category of project**

Communications

### **Type of project**

Joint case studies or marketing campaign

### **Motivation**

We constantly follow innovations in our supply chain. We offer these innovations to our customers by integrating them into our products and we communicate this. Our Gloss&Green, fSC raw material use, water and energy efficiency projects are some of our efforts to help reduce our environmental impacts. We are motivated by our customers' interest in and support of similar projects.

### **Estimated timeframe for achieving project**

4 to 5 years

### **Details of project**

Thanks to the plastic film separation process over the cardboard surface, the films are converted into plastic granules in the extruder, and the plastic granules obtained are used as raw materials by the film suppliers.

This is one of Duran Doğan's contributions to the "Circular Economy".

In Gloss & Green application, the plastic film is separated from the surface of the cardboard. After this process, cardboard with metallic surface becomes recyclable.

### **Projected outcome**

increase in orders

## **SW2.2**

**(SW2.2) Have any water projects been implemented due to CDP supply chain member engagement?**

No

## **SW3.1**

**(SW3.1) Provide any available water intensity values for your organization's products or services.**

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### **Product name**

All products

### **Water intensity value**

### **Numerator: Water aspect**

Water withdrawn

### **Denominator**

Total produced product layer.

**Comment**

The above intensity figure is defined as liter of water withdrawn per total produced product layer.

## Submit your response

**In which language are you submitting your response?**

English

**Please confirm how your response should be handled by CDP**

	I understand that my response will be shared with all requesting stakeholders	Response permission
Please select your submission options		Public

**Please indicate your consent for CDP to share contact details with the Pacific Institute to support content for its Water Action Hub website.**

**Please confirm below**