Elementis plc - Water Security 2023

W0. Introduction

W0.1

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

Elementis plc ('Elementis') is a global specialty chemicals company serving customers with additive and ingredient products for personal care, coatings, energy, and talc applications. The company has a premium listing in the UK on the London Stock Exchange, is a member of the FTSE4Good Index, and is a signatory to the UN Global Compact. In 2019, Elementis joined EPA Energy Star program. We are organised into two business units, reflecting the markets segments that we deliver our premium ingredients to - Performance Specialties and Personal Care. In 2020, Elementis launched sustainability performance targets, to be achieved by 2030.

Elementis recognizes that business performance and acting responsibly go hand in hand. We have a duty and a desire to protect people and the environment, and will achieve business success through embedding a sustainable mindset in all that we do. We create value through delivering quality, innovative additives and ingredients that meet customer and market requirements. We provide safe and healthy working conditions, work to minimise our impact on the environment, provide product stewardship through the supply chain, and setting high standards for business conduct and ethics. Our Health, Safety and Environmental, product stewardship, supply chain and operational policies set out the basis on how we develop, manufacture and distribute our products around the world. Our global HSE program ensures that we meet regulatory obligations, adopt industry best practice, identify and mitigate risks, take proactive product stewardship actions and continually improve in all we do.

Examples of how Elementis embeds sustainability across its value chain include using only Roundtable on Sustainable Palm Oil (RSPO) certified palm oil in our personal care products, incorporating more natural and naturally derived raw materials in our products, creating unique additives to reduce VOC, and using talc to increase use of lightweight plastics in cars and thereby reduce emissions. In 2022 we also received a Gold EcoVadis corporate social responsibility rating, scoring in the top 3% of suppliers in our category.

Our Environmental Sustainability Council is responsible for setting our sustainability targets and monitoring progress against our sustainability goals to reduce our environmental impacts. Our current 2030 targets are: 25% Scope 1 + Scope 2 (market) GHG emissions, 20% energy from fuels reduction, 10% water withdrawn and 10% waste to third parties. All goals use a 2019 baseline and are intensity-based (per tonne of production).

Most of our operational water use is to manufacture our chemical products. Many of our sites recycle this process water, which helps lower the amount of water withdrawals we make. Our effluent is managed in accordance with requirements. A large proportion of our raw materials are naturally derived (minerals and biomass), and so we have an opportunity build on our strengths in this area by delivering more products that a) do not contain water b) avoid the use of polluting materials c) use resources efficiently.

W-CH0.1a

(W-CH0.1a) Which activities in the chemical sector does your organization engage in?

Specialty organic chemicals
Specialty inorganic chemicals

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.

Brazil
China
Finland
Germany
India
Netherlands
Taiwan, China
United Kingdom of Great Britain and Northern Ireland
United States of America

W0.4

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

USD

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 over which operational control is exercised

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, a Ticker symbol	ELM
Yes, an ISIN code	GB0002418548
Yes, a SEDOL code	0241854

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	Vital	Important	We need water to run our operations and make many of our products. We do not anticipate a change to the importance of water for our operations in the future. Quality can vary for use in many of our operations, depending on the specific process. For example, where water is delivered as part of our product, we need higher quality. Where we turn the water simply for processing minerals, lower water quality can be used. Any water in supplied products usually needs to be of high quality due to customer specifications. Much of our supply chain involves mining and agricultural products where importance of water quality is lower.
Sufficient amounts of recycled, brackish and/or produced water available for use	Important	Important	Many of our sites recycle water from our own processes. For example, our talc mines in Finland use water from our tailings ponds instead of withdrawing fresh water. Our site in Taloja, India treats process effluent with reverse osmosis and reuses the water. Lower quality water can be used for some of our operations, such as for processing minerals, cooling, and at our mine sites (eg for dust control). Any water in supplied products usually needs to be of high quality due to customer specifications.

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%	Continuously	Water meters at source inlet.	We use meters at the inlet of water to our sites (eg a water utility pipe or a groundwater borehole pipe). We refer to our 'sites' to answer this question.
Water withdrawals – volumes by source	100%	Continuously	Water meters at source inlet.	Each source has it's own meter. We refer to our 'sites' to answer this question.
Entrained water associated with your metals & mining and/or coal sector activities - total volumes [only metals and mining and coal sectors]	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Produced water associated with your oil & gas sector activities - total volumes [only oil and gas sector]	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Water withdrawals quality	Not monitored	<Not Applicable>	<Not Applicable>	For the sites which source water directly from the environment (from groundwater or rivers), we treat the water routinely to ensure the quality of the water and ensure it is free of bacterial contaminants. But we do not measure directly the water quality. We refer to our 'sites' to answer this question.
Water discharges – total volumes	76-99	Daily	A combination of water meters and level meters, depending on the site,	All of our sites measure discharge volumes directly, whether by flow meters or by calculating discharge volume from water level transmitter effluent pits. Many of our sites have a discharge volume limit set by local authorities. We refer to our 'sites' to answer this question.
Water discharges – volumes by destination	76-99	Daily	A combination of water meters and level meters, depending on the site,	All of our sites measure discharge volumes directly, whether by flow meters or by calculating discharge volume from water level transmitter effluent pits. We know the destination of each discharge. We refer to our 'sites' to answer this question.
Water discharges – volumes by treatment method	76-99	Monthly	A combination of water meters and level meters, depending on the site,	Each site has a different combination of water treatments that it uses to operate within operating permits. Management of the water treatment method is conducted at a site level and volumes by treatment method are not currently monitored at a corporate level. We refer to our 'sites' to answer this question.
Water discharge quality – by standard effluent parameters	100%	Daily	Direct analysis	We monitor the quality of our water discharges against our operating permits. In some sites, the local utility also periodically check our discharge quality, as often as weekly. Monitored parameters can include suspended solids, phosphates, COD, chlorine, pH, temperature, visual checks. Management of the water discharge quality is conducted at a site level and is only monitored at a corporate level if the site raises an issue. We refer to our 'sites' to answer this question.
Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)	76-99	Monthly	Chemical analysis	We monitor the quality of our water discharges against our operating permits. In some sites, the local utility also periodically check our discharge quality. Management of the water discharge quality is conducted at a site level and is only monitored at a corporate level if the site raises an issue. We refer to our 'sites' to answer this question.
Water discharge quality – temperature	1-25	Continuously	Direct temperature measurement of the water at discharge.	We monitor the temperature to ensure the water is cool enough to discharge, This temperature is defined in our operating permits. We refer to our 'sites' to answer this question.
Water consumption – total volume	100%	Monthly	Calculated from withdrawal and discharge quantity.	We use water consumption calculations as an indicator of the overall water system health in our sites. An unexpected increase in consumption can indicate a leak, for example. Some of our products contain water, so consumption is also impacted by product mix. We refer to our 'sites' to answer this question.
Water recycled/reused	26-50	Continuously	Directly measured during normal operations.	A number of our sites recycle process water as part of their design. Because it is used directly in our manufacturing process, the amount is continually monitored. We refer to our 'sites' to answer this question.
The provision of fully-functioning, safely managed WASH services to all workers	100%	Other, please specify (This is built into site infrastructure, function is regularly monitored.)	All our sites are designed to have suitable WASH facilities and are inspected regularly.	All of our sites were designed with suitable WASH facilities when constructed. We refer to our 'sites' to answer this question.

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	1574	Lower	Increase/decrease in business activity	Lower	Increase/decrease in efficiency	Description for ‘‘comparison with previous reporting year” and “five-year forecast” thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower. We had lower production activity during 2022 vs 2021, so withdrew less water. For the forecast, reduction in water withdrawal intensity is a 2030 corporate target. Each site has the requirement to withdraw 10% less water per tonne of product produced by 2030. Some sites have already exceeded this target, but others are still progressing towards it. We announced the divestment of our Chromium business during 2022, and therefore report and compare numbers for our ongoing operations only.
Total discharges	3652	About the same	Increase/decrease in business activity	Lower	Increase/decrease in efficiency	Description for ‘‘comparison with previous reporting year” and “five-year forecast” thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower. We had lower production activity during 2022 vs 2021, so discharged less water. For the forecast, reduction in water withdrawal intensity is a 2030 corporate target. Each site has the requirement to withdraw 10% less water per tonne of product produced by 2030. Some sites have already exceeded this target, but others are still progressing towards it. We anticipate discharges will correlate withdrawals. We announced the divestment of our Chromium business during 2022, and therefore report and compare numbers for our ongoing operations only.
Total consumption	-2078.1	About the same	Increase/decrease in business activity	About the same	Increase/decrease in business activity	Description for ‘‘comparison with previous reporting year” and “five-year forecast” thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower. Our consumption was about the same compared to last year. We had lower production activity during 2022 vs 2021, so withdrew and discharged less water. For the forecast, improvements in water withdrawal and discharge intensity and water consumption will remain broadly the same as long as product mix is broadly similar. We announced the divestment of our Chromium business during 2022, and therefore report numbers for our ongoing operations only.

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	1-10	Much lower	Increase/decrease in business activity	Higher	Increase/decrease in business activity	WRI Aqueduct	Our water withdrawals from areas of high water stress are located in China and NY, USA. In 2022, COVID-related lockdowns impacted business activity in China, so withdrawals there were lower and more than offset an increase in withdrawals in the USA. We expect the forecast to be higher as business activity resumes after lockdowns. Nevertheless, each site has a target to reduce water withdrawals per tonne manufactured against a 2019 baseline. We define an area of water stress as having a 'high' or 'extremely high' baseline water stress score in the WRI Aqueduct tool. Description for ‘‘comparison with previous reporting year” and “five-year forecast” thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower.

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	Relevant	151	Much lower	Increase/decrease in business activity	Description for "comparison with previous reporting year" and "five-year forecast" thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower. We had lower production activity during 2022 vs 2021, so withdrew less water.
Brackish surface water/Seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	We do not take water from these sources.
Groundwater – renewable	Relevant	359	Much higher	Increase/decrease in business activity	Description for "comparison with previous reporting year" and "five-year forecast" thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower. We had lower production activity during 2022 vs 2021, so withdrew less water. Changes in product mix meant we used higher amounts of groundwater.
Groundwater – non-renewable	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	We do not take water from this type of source
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	We do not have these water sources.
Third party sources	Relevant	1064	Much lower	Increase/decrease in business activity	Description for "comparison with previous reporting year" and "five-year forecast" thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower. We had lower production activity during 2022 vs 2021, so withdrew less 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	Relevant	2554	About the same	Increase/decrease in business activity	Description for "comparison with previous reporting year" and "five-year forecast" thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower. We had lower production activity during 2022 vs 2021, but changes in product mix meant discharges to surface water were similar to last year.
Brackish surface water/seawater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	We do not discharge to these destination types
Groundwater	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	We do not discharge to these destination types.
Third-party destinations	Relevant	1098	Lower	Increase/decrease in business activity	Description for "comparison with previous reporting year" and "five-year forecast" thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower. We had lower production activity during 2022 vs 2021, so discharged less water.

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	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	We do not treat our water discharges to this level.
Secondary treatment	Relevant but volume unknown	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	One of our sites (Anji, China) uses secondary (biological) water treatment.
Primary treatment only	Relevant but volume unknown	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	Many of our sites discharge after (sedimentation) treatment.
Discharge to the natural environment without treatment	Relevant but volume unknown	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	Our cooling water is directly discharged without primary or other treatment, as long as temperature is acceptably low.
Discharge to a third party without treatment	Relevant but volume unknown	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	All discharge from our sanitary facilities and some process water which meets acceptable quality levels is sent to third parties without treatment by ourselves.
Other	Not relevant	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	No other situations apply..

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		Phosphates	<Not Applicable>	Many of our sites test for nitrates and phosphates in their water discharge as part of standard water discharge quality testing. We do not calculate the total mass emitted.

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	736400000	1573.67	467950.713936213	We expect increased water withdrawl efficiency over time, as we aim to increase revenues and improve water withdrawal efficiency per tonne of production at each site, in line with our corporate 2030 target.

W-CH1.3

(W-CH1.3) Do you calculate water intensity for your activities in the chemical sector?

Yes

W-CH1.3a

(W-CH1.3a) For your top five products by production weight/volume, provide the following water intensity information associated with your activities in the chemical sector.

Product type
Specialty organic chemicals

Product name
Organoclays / gels

Water intensity value (m3/denominator)
21.75

Numerator: water aspect
Total water withdrawals

Denominator
Ton

Comparison with previous reporting year
About the same

Please explain
Water withdrawal (m3) per tonne of product manufactured.

Description for ‘’comparison with previous reporting year” and “five-year forecast” thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower.

Organoclays / gels are manufactured at dedicated sites. Each site has a target to reduce water withdrawn per tonne manufactured, so this metric is tracked at a site level as part of the management action plans. There were no major water-related projects conducted at these sites, so the intensity is similar to prior year.

Product type
Specialty inorganic chemicals

Product name
Anti-perspirants

Water intensity value (m3/denominator)
4.05

Numerator: water aspect
Total water withdrawals

Denominator
Ton

Comparison with previous reporting year
Higher

Please explain
Water withdrawal (m3) per tonne of product manufactured.

Description for ‘’comparison with previous reporting year” and “five-year forecast” thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower.

Anti-perspirants are manufactured at dedicated sites. Each site has a target to reduce water withdrawn per tonne manufactured, so this metric is tracked at a site level as part of the management action plans. There were no major water-related projects conducted at these sites, so the intensity is similar to prior year, but our new plant in Taloja, India was in commissioning phase, resulting in higher water withdrawals for relatively lower volume of manufactured product.

Product type
Specialty inorganic chemicals

Product name
Talc

Water intensity value (m3/denominator)
0.24

Numerator: water aspect
Total water withdrawals

Denominator
Ton

Comparison with previous reporting year
Much lower

Please explain
Water withdrawal (m3) per tonne of product manufactured.

Description for ‘’comparison with previous reporting year” and “five-year forecast” thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower.

Talc products are mined and manufactured at dedicated sites. Each site has a target to reduce water withdrawn per tonne manufactured, so this metric is tracked at a site level as part of the management action plans. Production volume was significantly down in 2022 vs 2021, and we had a relatively lower water usage as full year benefits were gained from various water efficiency projects.

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	Yes	<Not Applicable>

W1.4a

(W1.4a) What percentage of your company's revenue is associated with products containing substances classified as hazardous by a regulatory authority?

Regulatory classification of hazardous substances	% of revenue associated with products containing substances in this list	Please explain
Annex XVII of EU REACH Regulation	10-20	Some of our products contain hazardous substances due to the functional properties that they bring to our customers. We sell these products direct to other industrial businesses, and they are handled correctly, minimising risks. We are working to reduce our use of these substances. Our product stewardship organisation ensures all the hazardous substances we use are assessed and registered under the appropriate regulations.
Candidate List of Substances of Very High Concern for Authorisation above 0.1% by weight (EU Regulation)	Less than 10%	Some of our products contain hazardous substances due to the functional properties that they bring to our customers. We sell these products direct to other industrial businesses, and they are handled correctly, minimising risks. We are working to reduce our use of SVHCs. Our product stewardship organisation ensures all the hazardous substances we use are assessed and registered under the appropriate regulations.
Annex XIV of UK REACH Regulation	Less than 10%	Some of our products contain hazardous substances due to the functional properties that they bring to our customers. We sell these products direct to other industrial businesses, and they are handled correctly, minimising risks. We are working to reduce our use of these substances. Our product stewardship organisation ensures all the hazardous substances we use are assessed and registered under the appropriate regulations.
Candidate List of Substances of Very High Concern (UK Regulation)	Less than 10%	Some of our products contain hazardous substances due to the functional properties that they bring to our customers. We sell these products direct to other industrial businesses, and they are handled correctly, minimising risks. We are working to reduce our use of SVHCs. Our product stewardship organisation ensures all the hazardous substances we use are assessed and registered under the appropriate regulations.
Federal Water Pollution Control Act / Clean Water Act (United States Regulation)	Less than 10%	Some of our products contain hazardous substances due to the functional properties that they bring to our customers. We sell these products direct to other industrial businesses, and they are handled correctly, minimising risks. We are working to reduce our use of these substances. Our product stewardship organisation ensures all the hazardous substances we use are assessed and registered under the appropriate regulations.
Water Pollution Prevention Act (Japan Regulation)	Less than 10%	Some of our products contain hazardous substances due to the functional properties that they bring to our customers. We sell these products direct to other industrial businesses, and they are handled correctly, minimising risks. We are working to reduce our use of these substances. Our product stewardship organisation ensures all the hazardous substances we use are assessed and registered under the appropriate regulations.
Guidelines for Controlling the Use of Key Chemical Substances in Consumer Products (China Regulation)	Less than 10%	Some of our products contain hazardous substances due to the functional properties that they bring to our customers. We sell these products direct to other industrial businesses, and they are handled correctly, minimising risks. We are working to reduce our use of these substances. Our product stewardship organisation ensures all the hazardous substances we use are assessed and registered under the appropriate regulations.
List of substances (Canadian Environmental Protection Act)	Less than 10%	Some of our products contain hazardous substances due to the functional properties that they bring to our customers. We sell these products direct to other industrial businesses, and they are handled correctly, minimising risks. We are working to reduce our use of these substances. Our product stewardship organisation ensures all the hazardous substances we use are assessed and registered under the appropriate regulations.

W1.5

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

	Engagement	Primary reason for no engagement	Please explain
Suppliers	No	Important but not an immediate business priority	Most of our direct suppliers are industrial facilities which have to meet water management standards in order to operate. For the time-being, we prioritise our resources in other areas to drive supplier improvements. We prioritise our efforts based on risks and opportunities. We continue to develop our supply chain risk assessments and the prioritisation of water-related issues may change.
Other value chain partners (e.g., customers)	Yes	<Not Applicable>	<Not Applicable>

W1.5e

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

Type of stakeholder
Customers

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
Enabling our customers (and their customers) to use less water or to use lower amounts of toxic chemicals (such as biocides).

Impact of the engagement and measures of success
Product revenue change for our advantaged products.

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	Fines, enforcement orders, and/or other penalties	Comment
Row 1	No	<Not Applicable>	

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	Please explain
Row 1	Yes, we identify and classify our potential water pollutants	Elementis uses the GHS system to classify and categorize raw materials and products. This includes ecotoxicity endpoints that also include water or marine pollutants. All of our sites have dedicated HSE staff that monitor our water quality and discharges (if any). Our site employees are engaged at the local level for water impacts with the local agencies. A number of our sites are Zero Liquid Discharge, recycling process water instead of discharging it. Six of our sites have ISO 14001 environmental management system certification.	<Not Applicable>

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 synthetic organic compounds

Description of water pollutant and potential impacts
Xylene, Toluene and other solvents. These can be hazardous to human health and ecosystems. Xylene and toluene are classified as acutely hazardous to the aquatic environment according to the Globally Harmonized System (GHS).

Value chain stage
Direct operations

Actions and procedures to minimize adverse impacts
Assessment of critical infrastructure and storage condition (leakages, spillages, pipe erosion etc.) and their resilience
Resource recovery
Industrial and chemical accidents prevention, preparedness, and response

Please explain
We use in-process recovery systems to recover solvent, and wastewater treatment before discharge. Many of our processes that use these substances are isolated from our site water systems, limiting any chance for a water pollution event.

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.

Value chain stage
Direct operations

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

Tools and methods used
WRI Aqueduct

Contextual issues considered
Water availability at a basin/catchment level
Stakeholder conflicts concerning water resources at a basin/catchment level
Impact on human health
Water regulatory frameworks
Status of ecosystems and habitats

Stakeholders considered
Customers
Employees
Local communities
Regulators
Water utilities at a local level
Other water users at the basin/catchment level

Comment
The Board has overall responsibility for risk management and sets the Group's policies, culture, and tone on risk. Risk identification and mitigation is discussed within financial and strategic context. Risk trend indicators are used to monitor the threats to Elementis' strategic objectives (innovation, growth and efficiency) and principal risks and uncertainties. There is variability in determining the risk appetite for substantive financial and strategic impact which may receive input and guidance from management, the Board and its advisers.

On an annual basis the Leadership Team members review operational risks (including water related) and the Board carries out a review of the principal risks and uncertainties and risks and opportunities associated with the annual plan and three year plan. All sites implement a risk register which includes impacts to water and ecosystems.

Value chain stage
Supply chain

Coverage

Partial

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
Other

Tools and methods used
Internal company methods

Contextual issues considered
Other, please specify (Navigability of key transport routes)

Stakeholders considered
Suppliers

Comment
Since our products and materials can ship via water routes, we consider the impact to our supply chain transportation channels and ensure appropriate backup logistics are in place. Various modal transport routes are reviewed in the anticipation of floods, hurricanes, and rain events. Business continuity plans are implemented at all locations and include water related impacts.

Value chain stage
Product use phase

Coverage
Partial

Risk assessment procedure
Water risks are assessed as a standalone issue

Frequency of assessment
Not defined

How far into the future are risks considered?
1 to 3 years

Type of tools and methods used
Other

Tools and methods used
Internal company methods

Contextual issues considered
Impact on human health
Water regulatory frameworks
Other, please specify (water use requirements)

Stakeholders considered
Customers
Regulators

Comment
We consider the health and environmental regulatory impacts of our products, and water needed to use our products/contained in our products.

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	We use WRI Aqueduct to identify water risks. We then look at the 'extremely high' and 'high' risks from the tool and work to implement management measures (where possible), or at least bring awareness to the issue at a local level. Local teams assess their water risks as part of the annual risk assessment process. Water related risks are assessed by the Board on an annual basis as part of our risk management practices. The Board is ultimately responsible for responding to water-related risks in our operations and allocating the funds as needed. Our marketing and sales teams identify risks and opportunities with our customers. We consider the pollution risks of our products and provide appropriate information to customers on their correct handling and relevant safety information. We do not focus on specific on supplier water risks.. We have a large diversity of suppliers and many of our raw materials are available from multiple sources, which provides redundancy and mitigates risks to our business.	In our direct operations, we consider - the availability of water, since it is crucial for our manufacturing processes. - stakeholder conflicts, particularly where we access ground water or surface water directly for our processes. - regulatory frameworks, since we need to ensure we are compliant with water discharge quality requirements and other water-related issues - impact on human health, we need to ensure we understand potential negative impacts with the materials we use and make, even if we operate within regulatory limits - ecosystems and habitats - our mine sites have to be able to return to nature at the end of their useful life, so understanding this helps us achieve that In our supply chain we consider transportation risks, especially those arising from flood or drought. In our product use phase, we work with customers to minimise the product water content and the use of biocides wherever feasible.	We work with our customers so they can make decisions which lower water risks and improve outcomes by choosing, for example, - our products which have low-water content, allowing lower withdrawals and avoiding transporting water in products. - our products which do not require biocides, minimising the pollution risk Where we take water directly from surface or ground water, we consider the requirements of the local community and others who may access the same water source. We always consider the regulatory environment for our operation and products. We are dependent on water utilities to provide most of our water and take most of our discharges. We work with them to ensure the right water quality comes in and out of our facilities. We ensure our employees understand any health risks of our materials and know the correct procedures for handling them and operating our processes.	When there is a change in the situation or the risk, site and business teams assess options and develop an appropriate response. This is reviewed by senior management before proceeding. - For example, a change in water pollution regulations for one of our sites meant that we operated our water treatment differently to remain compliant. - Our newest site in Taloja, India, is in a high water risk location, and is designed as a zero discharge facility to minimise water withdrawals.

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, only within our direct operations

W4.1a

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

A substantive financial impact is considered in our risk assessment processes as:

- having greater than $10M of cash or operating profit impact with a 'medium' likelihood of occurring.

- having between $5M and $10M of cash or operating profit impact with a 'high' likelihood of occurring.

Water risks with substantial impacts include:

- Inability to transport goods/ raw materials due to water issues
- inability to operate a site as a result of water quality or availability
- inability to provide water services to our employees at our operations
- inability to use water for products due to water quality or availability
- inability to withdraw water as a result of a regulatory action
- A pollution incident directly related our operations or products

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	6	26-50	In the WRI Aqueduct water risk assessmenttool, these facilities scored 'extremely high' or 'high' for aggregated total water risk (Talojia, Anji, Songjiang) or had an 'extremely high' or 'high' score in a business-relevant individual water risk topic (floods, water stress) (Sotkamo, Vuonos, Walkill). The facilities included here (detailed further in W5) are the facilities that pose the biggest financial/strategic risk of impact to our organization based on the definition we have given in W4.1a. For clarity, our definition of 'facility' is the same as our definition for a 'site'.

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?

Country/Area & River basin

Finland	Oulujoki

Number of facilities exposed to water risk
1

% company-wide facilities this represents
1-25

Production value for the metals & mining activities associated with these facilities
<Not Applicable>

% company's annual electricity generation that could be affected by these facilities
<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>

% company's total global revenue that could be affected
1-10

Comment
Our site in Sotkamo scored high on riverine flood risk in the WRI Aqueduct assessment. The site is well established for many years and is designed to manage excess water. The site mines and processes talc ore. We also conduct similar activities at our site in Vuonos, Finland, providing some redundancy.

Country/Area & River basin

China	Other, please specify (Lake Tai Hu, China Coast)

Number of facilities exposed to water risk
2

% company-wide facilities this represents
1-25

Production value for the metals & mining activities associated with these facilities
<Not Applicable>

% company's annual electricity generation that could be affected by these facilities
<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>

% company's total global revenue that could be affected
21-30

Comment
Our Songjiang plant and Anji plant are in areas subject to high baseline water stress and riverine flood risk. The sites are well established and designed to manage excess water. Each site has a water withdrawal reduction target, which supports effort to minimise our impact in a high water stress area.

Country/Area & River basin

United States of America	Other, please specify (Rondout)

Number of facilities exposed to water risk
1

% company-wide facilities this represents
1-25

Production value for the metals & mining activities associated with these facilities
<Not Applicable>

% company's annual electricity generation that could be affected by these facilities
<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>

% company's total global revenue that could be affected
1-10

Comment
Our facility in Walkill, NY is in an area subject to high water stress. The site has a water withdrawal reduction target, which supports effort to minimise our impact in a high water stress area.

Country/Area & River basin

Finland	Other, please specify (South Finland)

Number of facilities exposed to water risk
1

% company-wide facilities this represents
1-25

Production value for the metals & mining activities associated with these facilities
<Not Applicable>

% company's annual electricity generation that could be affected by these facilities
<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>

% company's total global revenue that could be affected
1-10

Comment
Our facility in Vuonos scored high on riverine flood risk in the Aqueduct assessment. The site is established for many years and is designed to manage excess water. The site mines and processes talc ore. We also conduct similar activities at our site in Sotkamo Finland, providing some redundancy.

Country/Area & River basin

India	Other, please specify (Kalu; India West Coast)

Number of facilities exposed to water risk
1

% company-wide facilities this represents
1-25

Production value for the metals & mining activities associated with these facilities
<Not Applicable>

% company's annual electricity generation that could be affected by these facilities
<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities
<Not Applicable>

% company's total global revenue that could be affected
1-10

Comment
Our site in Taloja has the highest overall water risk in WRI Aqueduct. The area is at Extremely high risk of riverine floods and high risk of coastal floods. We have designed the facility appropriately. The area also has extremely high risk of no sanitation and untreated wastewater. We have designed the facility to be a zero discharge facility, helping lower the burden on wastewater treatment.

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

India	Other, please specify (Kalu; India West Coast)

Type of risk & Primary risk driver

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

Primary potential impact
Disruption to sales

Company-specific description
A flood would cause the plant to shut down and disrupt incoming and outgoing logistics.

Timeframe
Current up to one year

Magnitude of potential impact
Medium

Likelihood
Unlikely

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
The facility is brand new and is yet to reach full sales, hence the revunue impact cannot be quantified.

Primary response to risk
Amend the Business Continuity Plan

Description of response
As a newly constructed facility, we have designed it appropriately for the local flood condition. The products made in the facility are also able to be manufactured in other sites in the USA, providing redundancy.

Cost of response
0

Explanation of cost of response
The facility is brand new and designed appropriately. We are not able to separate out flood management costs from the entire project design.

Country/Area & River basin

China	Other, please specify (Lake Tai Hu, China Coast)

Type of risk & Primary risk driver

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

Primary potential impact
Disruption to sales

Company-specific description
Our facilities make products mostly for the China market. a flood would cause the plant to shutdown and disrupt logistics.

Timeframe
More than 6 years

Magnitude of potential impact
Low

Likelihood
Unlikely

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
We have stocks of products in warehouses, and the ability to make the products produced in these site in other facilities around the world, so it is not clear if any significant revenue would be lost if these sites are disrupted.

Primary response to risk
Amend the Business Continuity Plan

Description of response
Our Songjiang facility is in a well established industrial park in the Shanghai suburbs and is designed to cope with large volumes of surface water. Our Anji facility is in a less urban but hillier area, and again is well established and designed to manage high water volumes. We have some products and materials stored in warehouses. Also the products made in these plants would be able to be made by our other global facilities in the event of extended disruption.

Cost of response
0

Explanation of cost of response
The facilities which provide redundancy already exist to deliver to their local markets, hence there os no additional cost of providing this response.

Country/Area & River basin

United States of America	Other, please specify (Rondout)

Type of risk & Primary risk driver

Chronic physical	Water stress

Primary potential impact
Disruption to sales

Company-specific description
The site requires water to manufacture it's products. Restriction of access to water if water becomes less available in the area may limit the output of the facility.

Timeframe
More than 6 years

Magnitude of potential impact
Low

Likelihood
Very unlikely

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
We have other sites globally which can supply the products made at this facility, so we do not expect a significant revenue impact.

Primary response to risk
Amend the Business Continuity Plan

Description of response
Other facilities in different locations can supply the same products as this site.

Cost of response
0

Explanation of cost of response
The other facilities supply their local markets and so there is no incremental cost to having this redundancy.

Country/Area & River basin

Finland	Oulujoki

Type of risk & Primary risk driver

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

Primary potential impact
Disruption to sales

Company-specific description
A flood would cause the mine and plant to shut down and disrupt incoming and outgoing logistics.

Timeframe
Unknown

Magnitude of potential impact
Medium-low

Likelihood
Very unlikely

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
We have redundancy with another site so it is hard to estimate the revenue impact.

Primary response to risk
Amend the Business Continuity Plan

Description of response
We have designed the site appropriately for the local flood condition. The products made in the facility are also able to be manufactured in other sites, providing redundancy.

Cost of response
0

Explanation of cost of response
The other site already exists and so there is no cost of providing facility redundancy.

Country/Area & River basin

Finland	Other, please specify (Southern Finland)

Type of risk & Primary risk driver

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

Primary potential impact
Disruption to sales

Company-specific description
A flood would cause the mine and plant to shut down and disrupt incoming and outgoing logistics.

Timeframe
Unknown

Magnitude of potential impact
Medium-low

Likelihood
Very unlikely

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
We have redundancy with another site so it is hard to estimate the revenue impact.

Primary response to risk
Amend the Business Continuity Plan

Description of response
We have designed the site appropriately for the local flood condition. The products made in the facility are also able to be manufactured in other sites, providing redundancy.

Cost of response
0

Explanation of cost of response
The other site already exists and so there is no cost of providing facility redundancy.

W4.2c

(W4.2c) Why does your organization not consider itself exposed to water risks in its value chain (beyond direct operations) with the potential to have a substantive financial or strategic impact?

	Primary reason	Please explain
Row 1	Other, please specify (We do have identified risks in value chain for our products, but are unable to classify them by river basin due to the global nature of our sales. Risks/opportunities in our products are described elsewhere in this disclosure.)	Many of our raw material inputs are either from our own mines or are available from multiple geographic sources. We understand our customer/market risks and have already introduced products that use less/zero water.

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
Efficiency

Primary water-related opportunity
Other, please specify (Recycling of water)

Company-specific description & strategy to realize opportunity
A number of our locations have found ways of recycling water - whether it is rainwater being collected to use in lab operations or recycling systems in a facility under construction that allows for Zero Discharge. Water related aspects are considered during design and improvement projects.

Estimated timeframe for realization
Current - up to 1 year

Magnitude of potential financial impact
Low-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
Water costs are relatively low for most of our sites, so the financial impact of improved water management is also low. We believe our reputation is enhanced by taking responsibility to manage water better.

Type of opportunity
Products and services

Primary water-related opportunity
Sales of new products/services

Company-specific description & strategy to realize opportunity
New products are developed and measured against an internal green index which includes the use of water in the product, process, and downstream. Concentrated products are preferential.

Estimated timeframe for realization
1 to 3 years

Magnitude of potential financial impact
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
The financial benefits are considered confidential.

Type of opportunity

Products and services

Primary water-related opportunity
Reduced impact of product use on water resources

Company-specific description & strategy to realize opportunity
We have developed products that avoid the need to use biocides. This lowers the pollution risk from the end-use products our additives are included in

Estimated timeframe for realization
Current - up to 1 year

Magnitude of potential financial impact
Low-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
The financial benefits are considered confidential.

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)
Taloja

Country/Area & River basin

India	Other, please specify (Kalu, West India Coast)

Latitude
19

Longitude
73.1

Located in area with water stress
No

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
15.3

Comparison of total withdrawals with previous reporting year
Lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Withdrawals from brackish surface water/seawater
0

Withdrawals from groundwater - renewable
0

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
15.3

Total water discharges at this facility (megaliters/year)
0

Comparison of total discharges with previous reporting year
About the same

Discharges to fresh surface water
0

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations
0

Total water consumption at this facility (megaliters/year)
15.3

Comparison of total consumption with previous reporting year
Lower

Please explain
The site is a zero discharge facility, with recycling of process water.

Description for ‘’comparison with previous reporting year” thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower.

Facility reference number
Facility 2

Facility name (optional)
Walkill

Country/Area & River basin

United States of America	Other, please specify (Rondout)

Latitude
41.47

Longitude
-74.38

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
32.3

Comparison of total withdrawals with previous reporting year
Much higher

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Withdrawals from brackish surface water/seawater
0

Withdrawals from groundwater - renewable
0

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
32.3

Total water discharges at this facility (megaliters/year)
5.7

Comparison of total discharges with previous reporting year
Much higher

Discharges to fresh surface water
0

Discharges to brackish surface water/seawater

0

Discharges to groundwater
0

Discharges to third party destinations
5.7

Total water consumption at this facility (megaliters/year)
26.6

Comparison of total consumption with previous reporting year
Higher

Please explain
The site produced similar quantities in 2022 compared to 2021. The difference in water consumption is due to product mix, as some products contain water, others are dry.

Description for ''comparison with previous reporting year" thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower.

Facility reference number
Facility 3

Facility name (optional)
Vuonos

Country/Area & River basin

Finland	Other, please specify (Southern Finland)

Latitude
62.76

Longitude
29.09

Located in area with water stress
No

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
72.5

Comparison of total withdrawals with previous reporting year
Much lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes
69.4

Withdrawals from brackish surface water/seawater
0

Withdrawals from groundwater - renewable
0

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
3.1

Total water discharges at this facility (megaliters/year)
465.1

Comparison of total discharges with previous reporting year
Much lower

Discharges to fresh surface water
415.6

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations
49.5

Total water consumption at this facility (megaliters/year)
-392.6

Comparison of total consumption with previous reporting year
Much lower

Please explain
Site is a mining and ore processing site, It recycles water from tailing settling ponds rather than withdrawing fresh water, so this lowers withdrawals significantly. Mine has to pump out rainwater etc from the pit, resulting in high discharge.

Description for ‘’comparison with previous reporting year” thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower.

Facility reference number
Facility 4

Facility name (optional)
Sotkamo

Country/Area & River basin

Finland	Other, please specify (Oulujoki)

Latitude
64.13

Longitude
28.39

Located in area with water stress
No

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
3.5

Comparison of total withdrawals with previous reporting year
Lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Withdrawals from brackish surface water/seawater
0

Withdrawals from groundwater - renewable
0

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
3.5

Total water discharges at this facility (megaliters/year)
1819.1

Comparison of total discharges with previous reporting year
Higher

Discharges to fresh surface water
1819.1

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations
0

Total water consumption at this facility (megaliters/year)
-1815.6

Comparison of total consumption with previous reporting year
Higher

Please explain
Site is a mining and ore processing site, It recycles water from tailing settling ponds rather than withdrawing fresh water, so this lowers withdrawals significantly. Mine has to pump out rainwater etc from the pit, resulting in high discharge.

Description for ‘’comparison with previous reporting year” thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/-

15% = much higher / lower.

Facility reference number
Facility 5

Facility name (optional)
Songjiang

Country/Area & River basin

China	Other, please specify (China coast, Lake Taihu)

Latitude
31.03

Longitude
121.23

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
47

Comparison of total withdrawals with previous reporting year
Much lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes
0

Withdrawals from brackish surface water/seawater
0

Withdrawals from groundwater - renewable
0

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
47

Total water discharges at this facility (megaliters/year)
18.4

Comparison of total discharges with previous reporting year
Much lower

Discharges to fresh surface water
0

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations
18.4

Total water consumption at this facility (megaliters/year)
28.6

Comparison of total consumption with previous reporting year
Much lower

Please explain
Site is had significantly lower production in 2022 due to China's COVID lockdowns. Therefore, water consumption was much lower.

Description for ‘‘comparison with previous reporting year” thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower.

Facility reference number
Facility 6

Facility name (optional)
Anji

Country/Area & River basin

China	Other, please specify (Lake Tai Hu, China coast,)

Latitude
30.64

Longitude
119.68

Located in area with water stress
Yes

Primary power generation source for your electricity generation at this facility
<Not Applicable>

Oil & gas sector business division
<Not Applicable>

Total water withdrawals at this facility (megaliters/year)
93.6

Comparison of total withdrawals with previous reporting year
Much lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes
85.7

Withdrawals from brackish surface water/seawater
0

Withdrawals from groundwater - renewable
0

Withdrawals from groundwater - non-renewable
0

Withdrawals from produced/entrained water
0

Withdrawals from third party sources
7.9

Total water discharges at this facility (megaliters/year)
107.9

Comparison of total discharges with previous reporting year
Higher

Discharges to fresh surface water
80.6

Discharges to brackish surface water/seawater
0

Discharges to groundwater
0

Discharges to third party destinations
27.3

Total water consumption at this facility (megaliters/year)
-14.3

Comparison of total consumption with previous reporting year
Much lower

Please explain
Site is had significantly lower production in 2022 due to China's COVID lockdowns. Therefore, water consumption was much lower.

Description for ''comparison with previous reporting year" thresholds: Deviation +/- 5% = about the same; Deviation between +/- 5-15% = higher / lower; Deviation > +/- 15% = much higher / lower.

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
ISO 14064-3: 2019

Please explain
<Not Applicable>

Water withdrawals – volume by source

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain

Water withdrawals – quality by standard water quality parameters

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain

Water discharges – total volumes

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain

Water discharges – volume by destination

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain

Water discharges – volume by final treatment level

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain

Water discharges – quality by standard water quality parameters

% verified
Not verified

Verification standard used
<Not Applicable>

Please explain

Water consumption – total volume

% verified
Not verified

Verification standard used
<Not Applicable>

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	Description of the scope (including value chain stages) covered by the policy Description of business impact on water Commitment to prevent, minimize, and control pollution Commitment to reduce water withdrawal and/or consumption volumes in direct operations Commitment to water stewardship and/or collective action Reference to company water-related targets Acknowledgement of the human right to water and sanitation	Our policy is publicly available and attached to this question. Elementis Water Policy Final.pdf

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)	Elementis' CEO is the executive with Board level responsibility for risk and opportunity management including water-related issues. Water-related risks and opportunities are identified and assessed as part of regular executive meetings. Our TCFD process also contributes to water risk assessment. The CEO provides a summary to every board meeting (currently 8 per year) on the company progress and external developments on climate and overall sustainability issues. The CEO established an Environmental Sustainability Council, led by the Global Sustainability Director, comprising of senior management to monitor water-related performance and develop further approaches for water management.
Board-level committee	The Remuneration Ccommittee (a Board sub-committee), chaired by a non-executive director, is responsible for incorporating water and ESG performance-related metrics and targets into executive remuneration packages. In 2022, performance against our GHG, energy, water and waste intensity reduction targets were part of the CEO and CFO remuneration package.
Chief Financial Officer (CFO)	The CFO has responsibility to ensure water risks and opportunities are quantified and aligned with the overall financial position and other risks and opportunities, and that appropriate investments are made to address these.

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	Monitoring implementation and performance Overseeing acquisitions, mergers, and divestitures Overseeing and guiding public policy engagement Overseeing major capital expenditures Overseeing the setting of corporate targets 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	The CEO provides a report at each Board meeting to enable the Board's oversight of risks, which includes consideration of water-related issues. There are 8 scheduled Board meetings per year at which this report is given. The CEO raises water-related issues through the regular Board meeting report, as well as matters relating to water-related KPI progress, production and supply chain aspects, pollution management, and innovative technologies. The Environmental Sustainability Council also reports to the Board meetings on a regularly frequency (twice per year formally, more frequently informally). The Environmental Sustainability Council meets monthly to discuss tactical topics and monitor progress against goals and KPIs. In addition, the Board receives insurance and risk management reports which include reference to water related issues. The Board and the Audit Committee received updates on our Task-force on Climate Related Financial Disclosures (TCFD), which includes water aspects.

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	Primary reason for no board-level competence on water-related issues	Explain why your organization does not have at least one board member with competence on water-related issues and any plans to address board-level competence in the future
Row 1	Not assessed	<Not Applicable>	<Not Applicable>	<Not Applicable>

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
Setting water-related corporate targets
Integrating water-related issues into business strategy

Frequency of reporting to the board on water-related issues
As important matters arise

Please explain
Our CEO provides oversight for our overall sustainability program which includes setting water-related targets such as reducing water usage over the next 10 years. Our CEO also is responsible for capital project approvals that may include water reduction activities and actions. Our CEO reviews water-related risks and opportunities.

Name of the position(s) and/or committee(s)
Other, please specify (Senior Vice President Supply Chain and Manufacturing)

Water-related responsibilities of this position
Assessing water-related risks and opportunities
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)

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

Please explain
The Board level risk agenda item assesses climate - including water - risks to our value chain and tracks management measures. This includes operations, supply chain, value partners, customers and employees. The Senior Vice President Supply Chain and Manufacturing is responsible for ensuring operational water risks are identified and mitigated and for allocating resources and finances to mitigate water-related risks.

Name of the position(s) and/or committee(s)
Other, please specify (Sustainability Director)

Water-related responsibilities of this position
Conducting water-related scenario analysis
Monitoring progress against water-related corporate targets

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

Please explain
The Sustainability Director leads water accounting and water risk assessment (including scenario) approaches for the company, and chairs the Environmental Sustainability Council, that monitors projects, actions, and plans that impact our water related opportunities and risks as they relate to our sustainability goal.

Name of the position(s) and/or committee(s)
Other, please specify (Environmental Sustainability Council)

Water-related responsibilities of this position
Assessing water-related risks and opportunities
Monitoring progress against water-related corporate targets

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

Please explain
The Environmental Sustainability Council monitors projects, actions, and plans that impact our water related opportunities and risks as they relate to our sustainability goals.

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	Water withdrawal per tonne production is one of our key sustainability KPIs and is integrated into bonus targets for the CEO and CFO.

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) Chief Financial Officer (CFO)	Improvements in water efficiency – direct operations	We have a 2030 target to reduce water withdrawals per tonne of production by 10% based on a 2019 baseline. Our performance against this targets is part of the CEO and CFO remuneration package. This has helped us achieve our 2030 goal already. We have made capital investments to increase recycling of water at a number of our operating sites, which has made a large impact on our water withdrawals. In addition, we have also invested in development and manufacturing capacity for dry products which require zero water, and products which have less use of biocides, minimising pollution risks.	Performance towards our 2030 target is monitored across the whole company on a quarterly basis (monthly at site level). Across the group, we achieved the 2030 target in 2022, giving a fully met assessment.
Non-monetary reward	Please select	Please select		

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?

No

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)

Elementis_AR22_Bookmarked.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	5-10	We consider the impact on water when looking at the sites' long-term plans and projects. Some fo our sites operate in high water stress or high water risk areas and need to be managed more closely. For example, our newly constructed site at Taloja, India is in an area of high water risk and is built as a zero discharge facility, recycling water used in its operations using reverse osmosis technology. This minimises both withdrawal and discharge amounts. We also consider the use of water in our products when developing new technology. It is a consideration of our new technology platforms and products.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	5-10	Water withdrawal improvement projects that need capital investment are included as discrete projects in our capital expenditure planning process. In addition, the Environmental Sustainability Council monitors the progress and resulting performance of water saving projects.
Financial planning	Yes, water-related issues are integrated	5-10	Water withdrawal improvement projects are included in our financial planning.

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)

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

Water-related OPEX (+/- % change)

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

Please explain

W7.3

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

	Use of scenario analysis	Comment
Row 1	Yes	As part of our TCFD assessment

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	Climate-related	NGFS scenario used. Current Policies Assumes that only currently implemented policies are preserved, leading to high physical risks. This represents a business-as-usual scenario with minimal meaningful action taken on reducing emissions. Emissions grow until 2080 leading to about 3 °C of warming and severe physical risks. This includes irreversible changes like higher sea level rise and potentially the crossing of climatic 'tipping points' such as widespread methane release through the melting of permafrost landscape, or the permanent shutdown of the Atlantic Gulf Stream. This scenario can help consider the long-term physical risks if we continue on our current path towards a "hothouse world". NGFS scenario: Divergent Net Zero Assumes that climate policies are more stringent in the transportation and buildings sectors. This mimics a situation where the failure to coordinate policy stringency across sectors results in a high burden on consumers, while decarbonisation of energy supply and industry is less stringent. Furthermore, the availability of CDR technologies is assumed to be lower than in Net Zero 2050. Emissions are in line with a climate goal giving at least a 50 % chance of limiting global warming to below 1.5 °C by the end of the century, with no or low overshoot (<0.1 °C) of 1.5 °C in earlier years. This leads to considerably higher transition risks than Net Zero 2050 but overall the lowest physical risks of the 6 NGFS scenarios. NGFS scenario: Net Zero 2050 This scenario assumes that ambitious climate policies are introduced immediately. CDR is used to accelerate the decarbonisation but kept to the minimum possible and broadly in line with sustainable levels of bioenergy production. Net CO_2 emissions reach zero around 2050, giving at least a 50 % chance of limiting global warming to below 1.5 °C by the end of the century, with no or low overshoot (< 0.1 °C) of 1.5 °C in earlier years. Physical risks are relatively low but transition risks are high.	Extreme weather / flooding: In a current policies scenario, flooding damage likelihood increases and may force the production site in shut down. Some of our sites use on-water transport for inbound and outbound goods, and this could also be disrupted by floods or droughts. Our sites are designed to cope with extreme levels of surface water, and we continue to maintain our infrastructure in this regard. In the event of a major flood, financial damage will result from supply disruption and production shortages due to repairing damaged property and clean-up. Costs include clean-up, repairs, loss of revenue . These vary widely across the sites at risk. Scarcity of water: This would impact operations, many of which source process water (at least partially) from lakes, rivers or boreholes. We assess this water risk to be fairly stable over time under all NGFS scenarios, supported by WRI aqueduct. If there is a prolonged period of water scarcity, we expect increased financial costs due to increased water access costs.	We continue capital investments to ensure our site infrastructure is maintained and improved. We have tested supply of water by alternative routes (trucking in) at our mine site in the Mojave Desert. We have a publicly available water policy and are working to reduce our withdrawal requirements - for example Taloja recycles all process water, and Vuonos, Finland has commenced water recycling. Overall, in 2022, we reduced our water withdrawal intensity by 18% compared to 2019 baseline, already exceeding our 2030 target.

W7.4

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

Row 1

Does your company use an internal price on water?

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

Please explain

We have not assessed the impact of doing this. So far, we have been able to meet our water withdrawal reduction targets without this.

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	Primary reason for not classifying any of your current products and/or services as low water impact	Please explain
Row 1	No, and we do not plan to address this within the next two years	<Not Applicable>	Important but not an immediate business priority	We have introduced low/zero water products into our portfolio. These ship as dry powders instead of as water solutions, These products have significantly lower water consumption per kg of active product. We do assess water-related risks and opportunities as part of our product design (for example, if any hazardous materials can be replaced/removed, or the amount of water needed to make and use the product). However, with no standardised definition and approach set globally, we do not formally classify our products as low water impact.

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	No, and we do not plan to within the next two years	
Water withdrawals	Yes	<Not Applicable>
Water, Sanitation, and Hygiene (WASH) services	No, and we do not plan to within the next two years	
Other	No, and we do not plan to within the next two years	

W8.1b

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

Target reference number

Target 1

Category of target

Water withdrawals

Target coverage

Company-wide (direct operations only)

Quantitative metric

Reduction in withdrawals per product

Year target was set

2019

Base year

2019

Base year figure

3.75

Target year

2030

Target year figure

3.38

Reporting year figure

3.07

% of target achieved relative to base year

183.783783783784

Target status in reporting year

Achieved

Please explain

We implemented a number of water efficiency projects, the most substantial of which was a water recycling project at our mine in Vuonos, Finland, in 2021, where we replaced fresh water withdrawal by water taken from our tailings pond. This has taken us beyond our target. Not every site has met their local target, so we maintain the same 2030 target for the moment.

W9. Verification

W9.1

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

No, we do not currently verify any other water information reported in our CDP disclosure

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	Not mapped – and we do not plan to within the next two years	<Not Applicable>	This is not a material priority for the business. We do not produce plastic products or their precursors. Some of our products do ship in industrial plastic packaging containers, and some of our raw materials are delivered in such containers, but these are fully recyclable. In some jurisdictions, our packaging contains at least a portion of recycled 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	Not assessed – and we do not plan to within the next two years	<Not Applicable>	This is not a material priority for the business. We do not produce plastic products or their precursors.

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	Not assessed – and we do not plan to within the next two years	<Not Applicable>	<Not Applicable>	We are not exposed to plastics-related risks. We do not produce plastic products or their precursors.

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	No – and we do not plan to within the next two years	<Not Applicable>	<Not Applicable>	This is not a material priority for the business.

W10.5

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

	Activity applies	Comment
Production of plastic polymers	No	
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	Yes	We use industrial plastic packaging for business-to-business sales of some products. These containers are fully recyclable. In some jurisdictions, our packaging contains at least a portion of recycled plastic.
Provision / commercialization of services or goods that use plastic packaging (e.g., retail and food services)	No	

W10.8

(W10.8) Provide the total weight of plastic packaging sold and/or used, and indicate the raw material content.

	Total weight of plastic packaging sold / used during the reporting year (Metric tonnes)	Raw material content percentages available to report	% virgin fossil-based content	% virgin renewable content	% post-industrial recycled content	% post-consumer recycled content	Please explain
Plastic packaging sold	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Plastic packaging used		None	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	Weight is not known, we do not track the weight of our purchased plastic packaging. Some packaging we purchase contains a minimum recycled content (eg 30% in the UK), but we do not know this figure on a global scale.

W10.8a

(W10.8a) Indicate the circularity potential of the plastic packaging you sold and/or used.

	Percentages available to report for circularity potential	% of plastic packaging that is reusable	% of plastic packaging that is technically recyclable	% of plastic packaging that is recyclable in practice at scale	Please explain
Plastic packaging sold	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Plastic packaging used	% reusable % technically recyclable	100	100	<Not Applicable>	We only use industrial scale plastic packaging such as drums and IBCs. These are routinely reused and all are recyclable.

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	736400000

SW1.1

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

No, CDP supply chain members do not buy goods or services from facilities listed in W5.1

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	

SW1.2a

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

Identifier	Latitude	Longitude	Comment
Songjiang	31.032243	121.22775	
Walkill	41.445927	-74.422934	
Anji	30.638674	119.680353	
SciPark	40.357297	-74.667222	
Taloja	19.063011	73.120891	
Sotkamo	64.130654	28.390497	
Ludwigshafen	49.477401	8.444745	
Amsterdam	52.367573	4.904138	
Katwijk	52.199251	4.411413	
New Martinsville	39.644521	-80.857599	
Livingston	55.900708	-3.518068	
Cologne	50.937531	6.960278	
Hsinchu	24.813828	120.967479	
Milwaukee	43.038902	-87.906473	
Palmital	-22.787683	-50.220801	
Vuonos	62.761524	29.090969	
St Louis	38.627002	-90.199404	
Newberry Springs	34.828604	-116.688922	
Huguenot	41.42	-74.63	

SW2.1

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

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.

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	Yes	Public

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

Yes, CDP may share our Main User contact details with the Pacific Institute

Please confirm below

I have read and accept the applicable Terms