



Elementis plc

# 2024 CDP Corporate Questionnaire 2024

Word version

**Important: this export excludes unanswered questions**

This document is an export of your organization's CDP questionnaire response. It contains all data points for questions that are answered or in progress. There may be questions or data points that you have been requested to provide, which are missing from this document because they are currently unanswered. Please note that it is your responsibility to verify that your questionnaire response is complete prior to submission. CDP will not be liable for any failure to do so.

[Terms of disclosure for corporate questionnaire 2024 - CDP](#)

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## C1. Introduction

### (1.3) Provide an overview and introduction to your organization.

#### (1.3.2) Organization type

Select from:

Publicly traded organization

#### (1.3.3) Description of organization

*Elementis is a global specialty chemicals company. We offer performance driven additives that help create innovative formulations for consumer and industrial applications.*

*[Fixed row]*

### (1.4) State the end date of the year for which you are reporting data. For emissions data, indicate whether you will be providing emissions data for past reporting years.

#### (1.4.1) End date of reporting year

12/31/2023

#### (1.4.2) Alignment of this reporting period with your financial reporting period

Select from:

Yes

#### (1.4.3) Indicate if you are providing emissions data for past reporting years

Select from:

Yes

**(1.4.4) Number of past reporting years you will be providing Scope 1 emissions data for**

Select from:

4 years

**(1.4.5) Number of past reporting years you will be providing Scope 2 emissions data for**

Select from:

4 years

**(1.4.6) Number of past reporting years you will be providing Scope 3 emissions data for**

Select from:

1 year

[Fixed row]

**(1.5) Provide details on your reporting boundary.**

	<p>Is your reporting boundary for your CDP disclosure the same as that used in your financial statements?</p>
	<p>Select from: <input checked="" type="checkbox"/> Yes</p>

[Fixed row]

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

**ISIN code - bond**

**(1.6.1) Does your organization use this unique identifier?**

Select from:

Yes

## (1.6.2) Provide your unique identifier

GB0002418548

### ISIN code - equity

## (1.6.1) Does your organization use this unique identifier?

Select from:

No

### CUSIP number

## (1.6.1) Does your organization use this unique identifier?

Select from:

No

### Ticker symbol

## (1.6.1) Does your organization use this unique identifier?

Select from:

Yes

## (1.6.2) Provide your unique identifier

ELM

### SEDOL code

## (1.6.1) Does your organization use this unique identifier?

Select from:

Yes

### (1.6.2) Provide your unique identifier

0241854

### LEI number

### (1.6.1) Does your organization use this unique identifier?

Select from:

No

### D-U-N-S number

### (1.6.1) Does your organization use this unique identifier?

Select from:

Yes

### (1.6.2) Provide your unique identifier

378486021

### Other unique identifier

### (1.6.1) Does your organization use this unique identifier?

Select from:

No

[Add row]

### (1.8) Are you able to provide geolocation data for your facilities?

	Are you able to provide geolocation data for your facilities?	Comment
	Select from: <input checked="" type="checkbox"/> Yes, for all facilities	The information is filled in for question 1.1.1

[Fixed row]

**(1.8.1) Please provide all available geolocation data for your facilities.**

**Row 1**

**(1.8.1.1) Identifier**

*Newberry Springs plant*

**(1.8.1.2) Latitude**

34.4952

**(1.8.1.3) Longitude**

116.4043

**(1.8.1.4) Comment**

*no comment*

**Row 2**

**(1.8.1.1) Identifier**

*New Martinsville*

**(1.8.1.2) Latitude**

39.644521

**(1.8.1.3) Longitude**

-80.857599

**(1.8.1.4) Comment**

*no comment*

**Row 3**

**(1.8.1.1) Identifier**

*Newberry Springs mine*

**(1.8.1.2) Latitude**

34.750545

**(1.8.1.3) Longitude**

-116.429468

**(1.8.1.4) Comment**

*no comment*

**Row 4**

**(1.8.1.1) Identifier**

*Anji*

**(1.8.1.2) Latitude**

30.638674

**(1.8.1.3) Longitude**

119.680353

**(1.8.1.4) Comment**

*no comment*

**Row 5**

**(1.8.1.1) Identifier**

*Amsterdam*

**(1.8.1.2) Latitude**

52.414034

**(1.8.1.3) Longitude**

4.828945

**(1.8.1.4) Comment**

*no comment*

**Row 6**

**(1.8.1.1) Identifier**

*Songjiang*

**(1.8.1.2) Latitude**

31.032243

**(1.8.1.3) Longitude**

121.22775

**(1.8.1.4) Comment**

*no comment*

**Row 7**

**(1.8.1.1) Identifier**

*Palmital*

**(1.8.1.2) Latitude**

-22.787683

**(1.8.1.3) Longitude**

-50.220801

**(1.8.1.4) Comment**

*no comment*

**Row 8**

**(1.8.1.1) Identifier**

*St Louis*



**(1.8.1.2) Latitude**

38.627002

**(1.8.1.3) Longitude**

-90.199404

**(1.8.1.4) Comment**

*no comment*

**Row 9**

**(1.8.1.1) Identifier**

*SciPark*

**(1.8.1.2) Latitude**

40.357297

**(1.8.1.3) Longitude**

-74.667222

**(1.8.1.4) Comment**

*no comment*

**Row 10**

**(1.8.1.1) Identifier**

*Ludwigshafen*

**(1.8.1.2) Latitude**

49.477401

**(1.8.1.3) Longitude**

8.444745

**(1.8.1.4) Comment**

*no comment*

**Row 11**

**(1.8.1.1) Identifier**

*Cologne*

**(1.8.1.2) Latitude**

50.937531

**(1.8.1.3) Longitude**

6.960278

**(1.8.1.4) Comment**

*no comment*

**Row 12**

**(1.8.1.1) Identifier**

*Vuonos*

**(1.8.1.2) Latitude**

62.761524

**(1.8.1.3) Longitude**

29.090969

**(1.8.1.4) Comment**

*no comment*

**Row 13**

**(1.8.1.1) Identifier**

*Hsinchu*

**(1.8.1.2) Latitude**

24.813828

**(1.8.1.3) Longitude**

120.967479

**(1.8.1.4) Comment**

*no comment*

**Row 14**

**(1.8.1.1) Identifier**

*Katwijk*

**(1.8.1.2) Latitude**

51.754322

**(1.8.1.3) Longitude**

5.85611

**(1.8.1.4) Comment**

*no comment*

**Row 15**

**(1.8.1.1) Identifier**

*Walkill*

**(1.8.1.2) Latitude**

41.445927

**(1.8.1.3) Longitude**

-74.422934

**(1.8.1.4) Comment**

*no comment*

**Row 16**

**(1.8.1.1) Identifier**

*Livingston*

**(1.8.1.2) Latitude**

55.900708

**(1.8.1.3) Longitude**

-3.518068

**(1.8.1.4) Comment**

*no comment*

**Row 17**

**(1.8.1.1) Identifier**

*Taloja*

**(1.8.1.2) Latitude**

19.063011

**(1.8.1.3) Longitude**

73.120891

**(1.8.1.4) Comment**

*no comment*

**Row 18**

**(1.8.1.1) Identifier**

*Milwaukee*

**(1.8.1.2) Latitude**

40.57146

**(1.8.1.3) Longitude**

-78.13806

**(1.8.1.4) Comment**

*no comment*

**Row 19**

**(1.8.1.1) Identifier**

*Sotkamo*

**(1.8.1.2) Latitude**

64.130654

**(1.8.1.3) Longitude**

28.390497

**(1.8.1.4) Comment**

*no comment*

**Row 20**

**(1.8.1.1) Identifier**

*Huguenot*

**(1.8.1.2) Latitude**

41.420297

**(1.8.1.3) Longitude**

-74.633582

**(1.8.1.4) Comment**

*no comment*

**Row 21**

**(1.8.1.1) Identifier**

*Mumbai*

**(1.8.1.2) Latitude**

19.12636

**(1.8.1.3) Longitude**

72.84897

**(1.8.1.4) Comment**

*no comment*

**Row 22**

**(1.8.1.1) Identifier**

*London*

### (1.8.1.2) Latitude

51.507265

### (1.8.1.3) Longitude

-0.127833

### (1.8.1.4) Comment

*no comment*  
*[Add row]*

**(1.18) Provide details on the mining projects covered by this disclosure, by specifying your project(s) type, location and mining method(s) used.**

#### Row 1

### (1.18.1) Mining project ID

*Select from:*

Project 1

### (1.18.2) Name

*Punasuo*

### (1.18.3) Share (%)

*100*

### (1.18.4) Country/Area

*Select from:*



Finland

### (1.18.5) Latitude

64.111

### (1.18.6) Longitude

28.067

### (1.18.7) Project stage

Select from:

Production

### (1.18.8) Mining method

Select from:

Open-cut

### (1.18.9) Raw material(s)

Select all that apply

Other minerals, please specify :Talc. Magnesium silicate, nickel concentrate, and magnesite sand as by-products

### (1.18.10) Year extraction started/is planned to start

2010

### (1.18.11) Year of closure

2049

### (1.18.12) Description of project

Open pit talc mine, near Sotkamo

## Row 2

### (1.18.1) Mining project ID

Select from:

Project 2

### (1.18.2) Name

Utela

### (1.18.3) Share (%)

100

### (1.18.4) Country/Area

Select from:

Finland

### (1.18.5) Latitude

63.953

### (1.18.6) Longitude

28.167

### (1.18.7) Project stage

Select from:

Production

### (1.18.8) Mining method

Select from:

Open-cut

### (1.18.9) Raw material(s)

Select all that apply

Other minerals, please specify :Talc. Magnesium silicate, nickel concentrate, and magnesite sand as by-products

### (1.18.10) Year extraction started/is planned to start

2006

### (1.18.11) Year of closure

2044

### (1.18.12) Description of project

*Open pit talc mine, near Sotkamo*

## Row 3

### (1.18.1) Mining project ID

Select from:

Project 3

### (1.18.2) Name

*Pehmytkivi*

### (1.18.3) Share (%)

100

#### (1.18.4) Country/Area

Select from:

Finland

#### (1.18.5) Latitude

62.833

#### (1.18.6) Longitude

29.243

#### (1.18.7) Project stage

Select from:

Production

#### (1.18.8) Mining method

Select from:

Open-cut

#### (1.18.9) Raw material(s)

Select all that apply

Other minerals, please specify :Talc. Magnesium silicate, nickel concentrate, and magnesite sand as by-products

#### (1.18.10) Year extraction started/is planned to start

1999

#### (1.18.11) Year of closure

2054

## (1.18.12) Description of project

*Open pit talc mine, near Vuonos*

### Row 4

## (1.18.1) Mining project ID

Select from:

Project 4

## (1.18.2) Name

*Karnukka*

## (1.18.3) Share (%)

*100*

## (1.18.4) Country/Area

Select from:

Finland

## (1.18.5) Latitude

*62.857*

## (1.18.6) Longitude

*29.278*

## (1.18.7) Project stage

Select from:

Production

### (1.18.8) Mining method

Select from:

Open-cut

### (1.18.9) Raw material(s)

Select all that apply

Other minerals, please specify :Talc. Magnesium silicate, nickel concentrate, and magnesite sand as by-products

### (1.18.10) Year extraction started/is planned to start

2015

### (1.18.11) Year of closure

2039

### (1.18.12) Description of project

*Open pit talc mine, near Sotkamo*

## Row 5

### (1.18.1) Mining project ID

Select from:

Project 5

### (1.18.2) Name

*Hector mine*

### (1.18.3) Share (%)

100

### (1.18.4) Country/Area

Select from:

United States of America

### (1.18.5) Latitude

34.751

### (1.18.6) Longitude

-116.429

### (1.18.7) Project stage

Select from:

Production

### (1.18.8) Mining method

Select from:

Open-cut

### (1.18.9) Raw material(s)

Select all that apply

Other minerals, please specify :hectorite clay

### (1.18.10) Year extraction started/is planned to start

1976

### (1.18.11) Year of closure

2070

### (1.18.12) Description of project

*Open pit hectorite clay mine, near Newberry Springs*  
*[Add row]*

### (1.22) Provide details on the commodities that you produce and/or source.

#### Timber products

#### (1.22.1) Produced and/or sourced

*Select from:*

Sourced

#### (1.22.2) Commodity value chain stage

*Select all that apply*

Manufacturing

#### (1.22.4) Indicate if you are providing the total commodity volume that is produced and/or sourced

*Select from:*

No, the total volume is unknown

#### (1.22.11) Form of commodity

*Select all that apply*

Paper

Primary packaging

Secondary packaging



### (1.22.12) % of procurement spend

Select from:

- Less than 1%

### (1.22.14) In the questionnaire setup did you indicate that you are disclosing on this commodity?

Select from:

- Yes, disclosing

### (1.22.15) Is this commodity considered significant to your business in terms of revenue?

Select from:

- No

### (1.22.19) Please explain

*Spend % is calculated from our total direct and indirect spend. Use of timber products is for packaging materials and not directly related to revenue generation.*

## **Palm oil**

### (1.22.1) Produced and/or sourced

Select from:

- Sourced

### (1.22.2) Commodity value chain stage

Select all that apply

- Manufacturing

### (1.22.4) Indicate if you are providing the total commodity volume that is produced and/or sourced

Select from:

- Yes, we are providing the total volume

### (1.22.5) Total commodity volume (metric tons)

1976

### (1.22.8) Did you convert the total commodity volume from another unit to metric tons?

Select from:

No

### (1.22.11) Form of commodity

Select all that apply

Palm kernel oil derivatives

Palm oil derivatives

### (1.22.12) % of procurement spend

Select from:

1-5%

### (1.22.14) In the questionnaire setup did you indicate that you are disclosing on this commodity?

Select from:

Yes, disclosing

### (1.22.15) Is this commodity considered significant to your business in terms of revenue?

Select from:

Yes

### (1.22.19) Please explain

*Spend % is calculated from our total direct and indirect spend. Chemicals derived from palm are used predominantly in strategic product lines for our Personal Care additives, but can also be used in Performance Specialities products. Therefore, we indicate it as significant for revenue. Alternative plant sources can exist for these derivatives, and we sometimes use these. We do not track revenue of products against the specific forest commodity.*

## Cattle products

### (1.22.1) Produced and/or sourced

Select from:

Sourced

### (1.22.2) Commodity value chain stage

Select all that apply

Manufacturing

### (1.22.4) Indicate if you are providing the total commodity volume that is produced and/or sourced

Select from:

Yes, we are providing the total volume

### (1.22.5) Total commodity volume (metric tons)

6833

### (1.22.8) Did you convert the total commodity volume from another unit to metric tons?

Select from:

No

### (1.22.11) Form of commodity

Select all that apply

Tallow

### (1.22.12) % of procurement spend

Select from:

6-10%

### (1.22.14) In the questionnaire setup did you indicate that you are disclosing on this commodity?

Select from:

Yes, disclosing

### (1.22.15) Is this commodity considered significant to your business in terms of revenue?

Select from:

Yes

### (1.22.19) Please explain

*Spend % is calculated from our total direct and indirect spend. Chemicals derived from tallow are used predominantly in in strategic product lines for our Performance Specialties additives. Alternative sources than cattle can exist for these derivatives, and we sometimes use these. We do not track revenue of products against the specific forest commodity.*

## Soy

### (1.22.1) Produced and/or sourced

Select from:

Sourced

### (1.22.2) Commodity value chain stage

Select all that apply

Manufacturing

### (1.22.3) Indicate if you have direct soy and/or embedded soy in your value chain

Select from:

We do not know if we source embedded soy

### (1.22.4) Indicate if you are providing the total commodity volume that is produced and/or sourced

Select from:

- Yes, we are providing the total volume

### (1.22.5) Total commodity volume (metric tons)

27

### (1.22.8) Did you convert the total commodity volume from another unit to metric tons?

Select from:

- No

### (1.22.11) Form of commodity

Select all that apply

- Soy derivatives

### (1.22.12) % of procurement spend

Select from:

- Less than 1%

### (1.22.14) In the questionnaire setup did you indicate that you are disclosing on this commodity?

Select from:

- Yes, disclosing

### (1.22.15) Is this commodity considered significant to your business in terms of revenue?

Select from:

- No

### (1.22.19) Please explain

*Spend % is calculated from our total direct and indirect spend. We sell a very small quantity of products containing this commodity.*

## Cocoa

### (1.22.1) Produced and/or sourced

Select from:

Sourced

### (1.22.2) Commodity value chain stage

Select all that apply

Manufacturing

### (1.22.4) Indicate if you are providing the total commodity volume that is produced and/or sourced

Select from:

Yes, we are providing the total volume

### (1.22.5) Total commodity volume (metric tons)

18

### (1.22.8) Did you convert the total commodity volume from another unit to metric tons?

Select from:

No

### (1.22.11) Form of commodity

Select all that apply

Other, please specify :Cocoa butter

### (1.22.12) % of procurement spend

Select from:

Less than 1%

### **(1.22.14) In the questionnaire setup did you indicate that you are disclosing on this commodity?**

Select from:

Yes, disclosing

### **(1.22.15) Is this commodity considered significant to your business in terms of revenue?**

Select from:

No

### **(1.22.19) Please explain**

*Spend % is calculated from our total direct and indirect spend. We sell a very small quantity of products containing this commodity.  
[Fixed row]*

### **(1.24) Has your organization mapped its value chain?**

#### **(1.24.1) Value chain mapped**

Select from:

No, but we plan to do so within the next two years

#### **(1.24.4) Highest supplier tier known but not mapped**

Select from:

Tier 4+ suppliers

#### **(1.24.8) Primary reason for not mapping your upstream value chain or any value chain stages**

Select from:

Not an immediate strategic priority

#### **(1.24.9) Explain why your organization has not mapped its upstream value chain or any value chain stages**

Currently in the process of mapping the value chain. Tier 1 is partially mapped already.

[Fixed row]

### (1.24.1) Have you mapped where in your direct operations or elsewhere in your value chain plastics are produced, commercialized, used, and/or disposed of?

#### (1.24.1.1) Plastics mapping

Select from:

No, and we do not plan to within the next two years

#### (1.24.1.5) Primary reason for not mapping plastics in your value chain

Select from:

Not an immediate strategic priority

#### (1.24.1.6) Explain why your organization has not mapped plastics in your value chain

*We are an industrial business-to-business company, shipping products in 25kg and above single units. Our use of plastics is for packaging our products. We also use bulk shipments and paper, fibre and metal packaging. Some of our product lines for the cosmetic and pharma sectors require new plastic packaging to be used, to avoid the risk of contamination from previously used plastic or non-plastic packaging. Therefore, plastics mapping is less strategic for us and we are focussed on other areas to improve.*

[Fixed row]

### (1.24.2) Which commodities has your organization mapped in your upstream value chain (i.e., supply chain)?

	Value chain mapped for this sourced commodity
Palm oil	Select from:



	Value chain mapped for this sourced commodity
	<input checked="" type="checkbox"/> Yes

[Fixed row]

## C2. Identification, assessment, and management of dependencies, impacts, risks, and opportunities

(2.1) How does your organization define short-, medium-, and long-term time horizons in relation to the identification, assessment, and management of your environmental dependencies, impacts, risks, and opportunities?

### Short-term

(2.1.1) From (years)

0

(2.1.3) To (years)

3

(2.1.4) How this time horizon is linked to strategic and/or financial planning

*This reflects the scope for the annually updated business plan. A period of 3 years is the basis for the Business Viability Statement in the Elementis plc Annual Report and Accounts.*

### Medium-term

(2.1.1) From (years)

4

(2.1.3) To (years)

10

(2.1.4) How this time horizon is linked to strategic and/or financial planning

*Medium term: 2027-2034, expected to be close to our SBT year.*

## Long-term

### (2.1.1) From (years)

10

### (2.1.2) Is your long-term time horizon open ended?

Select from:

Yes

### (2.1.4) How this time horizon is linked to strategic and/or financial planning

Strategic climate targets and capital intensive project pipeline fall into this category. For TCFD assessments we consider long-term time horizons to 2030 - 2040 and beyond. Beyond our SBT, reaching our Net Zero ambition

[Fixed row]

## (2.2) Does your organization have a process for identifying, assessing, and managing environmental dependencies and/or impacts?

	Process in place	Dependencies and/or impacts evaluated in this process	Biodiversity impacts evaluated before the mining project development stage
	Select from: <input checked="" type="checkbox"/> Yes	Select from: <input checked="" type="checkbox"/> Both dependencies and impacts	Select from: <input checked="" type="checkbox"/> Yes, in all cases

[Fixed row]

## (2.2.1) Does your organization have a process for identifying, assessing, and managing environmental risks and/or opportunities?

	Process in place	Risks and/or opportunities evaluated in this process	Is this process informed by the dependencies and/or impacts process?
	Select from: <input checked="" type="checkbox"/> Yes	Select from: <input checked="" type="checkbox"/> Both risks and opportunities	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

**(2.2.2) Provide details of your organization’s process for identifying, assessing, and managing environmental dependencies, impacts, risks, and/or opportunities.**

**Row 1**

**(2.2.2.1) Environmental issue**

Select all that apply

- Climate change
- Water

**(2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(2.2.2.3) Value chain stages covered**

Select all that apply

- Direct operations
- Upstream value chain
- Downstream value chain

#### (2.2.2.4) Coverage

Select from:

- Partial

#### (2.2.2.7) Type of assessment

Select from:

- Qualitative and quantitative

#### (2.2.2.8) Frequency of assessment

Select from:

- Annually

#### (2.2.2.9) Time horizons covered

Select all that apply

- Short-term
- Medium-term
- Long-term

#### (2.2.2.10) Integration of risk management process

Select from:

- A specific environmental risk management process

#### (2.2.2.11) Location-specificity used

Select all that apply

- Site-specific

## (2.2.2.12) Tools and methods used

### Commercially/publicly available tools

- WRI Aqueduct
- WWF Water Risk Filter

### Enterprise Risk Management

- Risk models

### Other

- Desk-based research
- Internal company methods
- Materiality assessment
- Partner and stakeholder consultation/analysis
- Scenario analysis

## (2.2.2.13) Risk types and criteria considered

### Acute physical

- Tornado
- Heat waves
- Cyclones, hurricanes, typhoons
- Heavy precipitation (rain, hail, snow/ice)
- Flood (coastal, fluvial, pluvial, ground water)

- Storm (including blizzards, dust, and sandstorms)

### Chronic physical

- Heat stress
- Water stress
- Changing wind patterns
- Temperature variability

- Changing temperature (air, freshwater, marine water)
- Changing precipitation patterns and types (rain, hail, snow/ice)

- Increased severity of extreme weather events

### Policy

- Carbon pricing mechanisms

### Market

- Availability and/or increased cost of raw materials
- Changing customer behavior
- Other market, please specify :Consumer demands; Access to renewable energy; Energy prices

### Reputation

- Increased partner and stakeholder concern and partner and stakeholder negative feedback

## (2.2.2.14) Partners and stakeholders considered

*Select all that apply*

- Customers
- Employees
- Investors
- Suppliers

## (2.2.2.15) Has this process changed since the previous reporting year?

*Select from:*

- No

## (2.2.2.16) Further details of process

*Part of TCFD disclosure to perform a scenario analysis.*

*[Add row]*

**(2.2.3) Provide mining-specific details of your organization’s process for identifying, assessing, and managing biodiversity impacts.**

**Row 1**

**(2.2.3.2) Extent of assessment**

*Select from:*

- Straightforward application of environmental siting, pollution standards, design criteria, or construction standards

**(2.2.3.3) Impacts considered**

*Select all that apply*

- Direct impacts

**(2.2.3.4) Scope defined by**

*Select all that apply*

- Governmental agency requirements

**(2.2.3.5) Aspects considered**

*Select from:*

- Threatened species

**(2.2.3.6) Baseline biodiversity data available**

*Select from:*

- No

**(2.2.3.7) Environmental Impact Statement publicly available**

*Select from:*

- No



### **(2.2.3.8) Please explain**

*All our mines were established many years ago. The correct environmental procedures were done at project start. If a mine site is modified beyond the scope of the existing environmental impact permissions, we follow the correct application procedures for the location.*

*[Add row]*

### **(2.2.7) Are the interconnections between environmental dependencies, impacts, risks and/or opportunities assessed?**

#### **(2.2.7.1) Interconnections between environmental dependencies, impacts, risks and/or opportunities assessed**

*Select from:*

Yes

#### **(2.2.7.2) Description of how interconnections are assessed**

*Risk assessments are performed per site depending on identified risks/opportunities/dependencies and impacts suitable (sustainable) solutions are planned/implemented*

*[Fixed row]*

### **(2.3) Have you identified priority locations across your value chain?**

#### **(2.3.1) Identification of priority locations**

*Select from:*

Yes, we have identified priority locations

#### **(2.3.2) Value chain stages where priority locations have been identified**

*Select all that apply*

Direct operations

#### **(2.3.3) Types of priority locations identified**

## Sensitive locations

- Areas important for biodiversity
- Areas of limited water availability, flooding, and/or poor quality of water

### (2.3.4) Description of process to identify priority locations

*We use WRI Aqueduct to assess water stress of our operational locations. For biodiversity, we focus on our mine sites as they have the greatest potential impact on biodiversity.*

### (2.3.5) Will you be disclosing a list/spatial map of priority locations?

*Select from:*

- Yes, we will be disclosing the list/geospatial map of priority locations

### (2.3.6) Provide a list and/or spatial map of priority locations

*2023 CDP Priority locations.pdf*  
*[Fixed row]*

## (2.4) How does your organization define substantive effects on your organization?

### Risks

#### (2.4.1) Type of definition

*Select all that apply*

- Qualitative
- Quantitative

#### (2.4.2) Indicator used to define substantive effect

*Select from:*

- Direct operating costs

### (2.4.3) Change to indicator

Select from:

- Absolute increase

### (2.4.5) Absolute increase/ decrease figure

5000000

### (2.4.6) Metrics considered in definition

Select all that apply

- Time horizon over which the effect occurs
- Likelihood of effect occurring

### (2.4.7) Application of definition

*for each risk, estimated financial impact and estimated likelihood of occurrence are rated as high, medium and low. for each time horizon. Priority is then given to actions which mitigate high/high, high/med, and med/high risks - i.e. the risks that could have substantive effects on the organisation.*

## Opportunities

### (2.4.1) Type of definition

Select all that apply

- Qualitative
- Quantitative

### (2.4.2) Indicator used to define substantive effect

Select from:

- Direct operating costs

### (2.4.3) Change to indicator

Select from:

- Absolute increase

#### (2.4.5) Absolute increase/ decrease figure

5000000

#### (2.4.6) Metrics considered in definition

Select all that apply

- Time horizon over which the effect occurs
- Likelihood of effect occurring

#### (2.4.7) Application of definition

*Opportunities are considered as the mitigation of substantive effects identified in the risk analysis above, for our own business and other stakeholders.*  
[Add row]

### **(2.5) 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?**

#### (2.5.1) Identification and classification of potential water pollutants

Select from:

- Yes, we identify and classify our potential water pollutants

#### (2.5.2) How potential water pollutants are identified and classified

*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.*

[Fixed row]

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

**Row 1**

**(2.5.1.1) Water pollutant category**

Select from:

- Other synthetic organic compounds

**(2.5.1.2) 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).*

**(2.5.1.3) Value chain stage**

Select all that apply

- Direct operations

**(2.5.1.4) Actions and procedures to minimize adverse impacts**

Select all that apply

- 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
- Discharge treatment using sector-specific processes to ensure compliance with regulatory requirements

**(2.5.1.5) 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.*

[Add row]



### C3. Disclosure of risks and opportunities

**(3.1) Have you identified any environmental risks which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?**

#### Climate change

##### (3.1.1) Environmental risks identified

Select from:

Yes, both in direct operations and upstream/downstream value chain

#### Forests

##### (3.1.1) Environmental risks identified

Select from:

No

##### (3.1.2) Primary reason why your organization does not consider itself to have environmental risks in your direct operations and/or upstream/downstream value chain

Select from:

Evaluation in progress

##### (3.1.3) Please explain

*not identified as primary risk in materiality assessment, but we are reviewing in more detail, in part due to EU Deforestation Regulation and customer transparency requests.*

#### Water

### (3.1.1) Environmental risks identified

Select from:

- Yes, only within our direct operations

### (3.1.2) Primary reason why your organization does not consider itself to have environmental risks in your direct operations and/or upstream/downstream value chain

Select from:

- Insufficient data

### (3.1.3) Please explain

*not identified as primary risk in materiality assessment*

## Plastics

### (3.1.1) Environmental risks identified

Select from:

- No

### (3.1.2) Primary reason why your organization does not consider itself to have environmental risks in your direct operations and/or upstream/downstream value chain

Select from:

- Not an immediate strategic priority

### (3.1.3) Please explain

*not identified as primary risk in materiality assessment*

## Biodiversity



### (3.1.1) Environmental risks identified

Select from:

No

### (3.1.2) Primary reason why your organization does not consider itself to have environmental risks in your direct operations and/or upstream/downstream value chain

Select from:

Not an immediate strategic priority

### (3.1.3) Please explain

*not identified as primary risk in materiality assessment*  
*[Fixed row]*

**(3.1.1) Provide details of the environmental risks identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.**

#### **Climate change**

##### (3.1.1.1) Risk identifier

Select from:

Risk1

##### (3.1.1.3) Risk types and primary environmental risk driver

###### **Acute physical**

Cyclone, hurricane, typhoon

##### (3.1.1.4) Value chain stage where the risk occurs

Select from:

- Direct operations

### (3.1.1.6) Country/area where the risk occurs

Select all that apply

- China
- Taiwan, China

### (3.1.1.9) Organization-specific description of risk

*Our sites are disrupted due to weather related factors, leading to delayed order fulfilment and potentially lower revenues, while increasing our cost base for repairs/prevention.*

### (3.1.1.11) Primary financial effect of the risk

Select from:

- Decreased revenues due to reduced production capacity

### (3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

- Long-term

### (3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

- Unlikely

### (3.1.1.14) Magnitude

Select from:

- Low

### (3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*Lower revenue in the disrupted period, potential cash flow disruption*

### (3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

No

### (3.1.1.26) Primary response to risk

#### **Policies and plans**

Other policies or plans, please specify :1. Continuous assessment maintenance and investment in extreme weather adaptations at sites 2. Supply chain and inventory management to cover shorter duration disruptions

### (3.1.1.28) Explanation of cost calculation

*Data not available. Much of our investment is done for multiple reasons, not only weather resiliency.*

### (3.1.1.29) Description of response

*Continuous assessment maintenance and investment in extreme weather adaptations at sites. Supply chain and inventory management to cover shorter duration disruptions*

## **Water**

### (3.1.1.1) Risk identifier

Select from:

Risk2

### (3.1.1.3) Risk types and primary environmental risk driver

## Chronic physical

- Water stress

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

- Direct operations

### (3.1.1.6) Country/area where the risk occurs

Select all that apply

- China
- United States of America

### (3.1.1.7) River basin where the risk occurs

Select all that apply

- Yangtze River (Chang Jiang)

### (3.1.1.9) Organization-specific description of risk

*Our sites are disrupted by lack of access to clean fresh water for manufacturing product.*

### (3.1.1.11) Primary financial effect of the risk

Select from:

- Decreased revenues due to reduced production capacity

### (3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

- Long-term

### (3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

Unlikely

#### (3.1.1.14) Magnitude

Select from:

Medium-low

#### (3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*Lower revenue in the disrupted period, potential cash flow disruption*

#### (3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

No

#### (3.1.1.26) Primary response to risk

##### **Infrastructure, technology and spending**

Adopt water efficiency, water reuse, recycling and conservation practices

#### (3.1.1.28) Explanation of cost calculation

*Data not available.*

#### (3.1.1.29) Description of response

*Projects to minimise water withdrawal and improve water and effluent management. Some sites have access to their own borehole for water supplies.*

### **Climate change**

#### (3.1.1.1) Risk identifier

Select from:

- Risk3

### (3.1.1.3) Risk types and primary environmental risk driver

#### Market

- Other market risk, please specify :Energy prices

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

- Direct operations

### (3.1.1.6) Country/area where the risk occurs

Select all that apply

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

### (3.1.1.9) Organization-specific description of risk

*A high energy price causes significant increase in operating costs. Our cost base may become uncompetitive.*

### (3.1.1.11) Primary financial effect of the risk

Select from:

- Increased indirect [operating] costs

### (3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

Medium-term

### (3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

Very likely

### (3.1.1.14) Magnitude

Select from:

Low

### (3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*Higher operating costs. Potentially we become less competitive and revenues drop*

### (3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

No

### (3.1.1.26) Primary response to risk

#### **Pricing and credits**

Other pricing or credit, please specify :Energy purchase strategy that balances spot, hedged and contracted purchases Management of energy supplier contracts Increased electrification to minimise exposure to gas and liquid fuels Energy efficiency projects

### (3.1.1.27) Cost of response to risk

386000

### (3.1.1.28) Explanation of cost calculation

CAPEX spend in 2023 attributable to energy efficiency projects.

### (3.1.1.29) Description of response

Energy purchase strategy that balances spot, hedged and contracted purchases. Management of energy supplier contracts. Increased electrification to minimise exposure to gas and liquid fuels. Energy efficiency projects

## Climate change

### (3.1.1.1) Risk identifier

Select from:

Risk4

### (3.1.1.3) Risk types and primary environmental risk driver

#### Market

Other market risk, please specify :Access to renewable electricity

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

Direct operations

### (3.1.1.6) Country/area where the risk occurs

Select all that apply

China

India

Brazil

Finland

Germany

Netherlands

Taiwan, China

United States of America

United Kingdom of Great Britain and Northern Ireland



### (3.1.1.9) Organization-specific description of risk

*Access to renewable/low carbon electricity is a crucial lever for us to make progress on our emission reduction plans in the near term. If demand outstrips supply, we may find it too costly to use renewable electricity, impacting our competitiveness.*

### (3.1.1.11) Primary financial effect of the risk

Select from:

- Increased indirect [operating] costs

### (3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

- Medium-term
- Long-term

### (3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

- Likely

### (3.1.1.14) Magnitude

Select from:

- Medium-low

### (3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*Higher operating costs. Potentially we become uncompetitive in terms of product carbon footprint or in product pricing and revenues drop*

### (3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

- No

### (3.1.1.26) Primary response to risk

#### Infrastructure, technology and spending

Other infrastructure, technology and spending, please specify :Investigate long term power purchase contracts

### (3.1.1.27) Cost of response to risk

140000

### (3.1.1.28) Explanation of cost calculation

*Premiums paid in 2023 for zero emission electricity.*

### (3.1.1.29) Description of response

*Investigate renewable/low carbon electricity supplies with multi-year contracts. Assess opportunities to build additional capacity exclusively for our use. Purchase a mix of renewable and nuclear emission certificates to secure low carbon electricity at a balanced price.*

## Climate change

### (3.1.1.1) Risk identifier

Select from:

Risk5

### (3.1.1.3) Risk types and primary environmental risk driver

#### Market

Lack of availability and/or increased cost of raw materials

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

- Upstream value chain

### (3.1.1.6) Country/area where the risk occurs

Select all that apply

- China
- India
- Japan
- Brazil
- Canada
- Switzerland
- Taiwan, China
- Republic of Korea
- United States of America
- United Kingdom of Great Britain and Northern Ireland
- Israel
- Turkey
- Germany
- Malaysia
- Singapore

### (3.1.1.9) Organization-specific description of risk

*Key raw materials have lower availability, damaging our ability to fulfil orders, potentially lowering revenues, and/or higher raw material prices mean our cost base may become uncompetitive*

### (3.1.1.11) Primary financial effect of the risk

Select from:

- Increased production costs

### (3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

- Medium-term
- Long-term

### (3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

Likely

### (3.1.1.14) Magnitude

Select from:

Medium

### (3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*Higher costs or drop in revenue due to a lack of competitiveness*

### (3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

No

### (3.1.1.26) Primary response to risk

#### Infrastructure, technology and spending

Implementing buffer stocks or dual sourcing

### (3.1.1.28) Explanation of cost calculation

*Data not available*

### (3.1.1.29) Description of response

*Qualification of multiple suppliers. Inventory management. Encourage climate resilience actions at key suppliers.*

## Climate change

### (3.1.1.1) Risk identifier

Select from:

- Risk6

### (3.1.1.3) Risk types and primary environmental risk driver

#### Reputation

- Increased partner and stakeholder concern or negative partner and stakeholder feedback

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

- Upstream value chain

### (3.1.1.6) Country/area where the risk occurs

Select all that apply

- United Kingdom of Great Britain and Northern Ireland

### (3.1.1.9) Organization-specific description of risk

*As part of their own climate response, our investors place capital in companies with better sustainability and climate credentials, increasing our cost of capital or even limiting our capability to invest in the business*

### (3.1.1.11) Primary financial effect of the risk

Select from:

- Decreased access to capital

### (3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

- Medium-term
- Long-term

### (3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

Unlikely

### (3.1.1.14) Magnitude

Select from:

Medium

### (3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*Higher financing costs.*

### (3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

No

### (3.1.1.26) Primary response to risk

#### **Policies and plans**

Develop a climate transition plan

### (3.1.1.28) Explanation of cost calculation

*Data not available*

### (3.1.1.29) Description of response

*Clearly describe how our business strategy supports climate mitigation and brings commercial opportunities. Clear disclosure of our climate strategy, metrics and progress. Meet our SBT commitment and achieve Net Zero ambition Engage with third-party rating agencies to ensure we are fairly assessed on ESG*

## Climate change

### (3.1.1.1) Risk identifier

Select from:

Risk7

### (3.1.1.3) Risk types and primary environmental risk driver

**Market**

Other market risk, please specify :Consumer trends

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

Downstream value chain

### (3.1.1.9) Organization-specific description of risk

*Consumers change buying habits to lower consumption or to lower climate impact products than we offer, resulting in lower revenues. Technology or regulatory developments may dramatically alter the consumer market for certain end-use applications of our products. Our geography for this risk is global.*

### (3.1.1.11) Primary financial effect of the risk

Select from:

Decreased revenues due to reduced demand for products and services

### (3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

Short-term

### (3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

Very likely

### (3.1.1.14) Magnitude

Select from:

Medium-high

### (3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*Lower revenues due to unattractive products, or products which have a smaller market*

### (3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

No

### (3.1.1.26) Primary response to risk

#### **Agricultural practices**

Transition towards a diversified product portfolio that includes alternative materials [recycled and/or plant-based]

### (3.1.1.28) Explanation of cost calculation

*Data not available*

### (3.1.1.29) Description of response

*Innovate to ensure we are well positioned to address new market trends. Increase our high naturally derived content in products. Ensure sustainable practices through the supply chain. Maintain our portfolio diversity. Monitor revenues that are directly dependent on fossil fuel consumption.*

## **Climate change**



### (3.1.1.1) Risk identifier

Select from:

Risk8

### (3.1.1.3) Risk types and primary environmental risk driver

**Market**

Changing customer behavior

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

Downstream value chain

### (3.1.1.9) Organization-specific description of risk

*As part of their own climate response and to lower their own Scope 3 emissions, our customers preferentially source products with lower climate impacts than we offer, resulting in lower revenues. Our geography for this risk is global.*

### (3.1.1.11) Primary financial effect of the risk

Select from:

Decreased revenues due to reduced demand for products and services

### (3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

Short-term

### (3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

Very likely

### (3.1.1.14) Magnitude

Select from:

High

### (3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*Lower revenues due to uncompetitive carbon footprint of our products.*

### (3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

No

### (3.1.1.26) Primary response to risk

#### **Diversification**

Develop new products, services and/or markets

### (3.1.1.28) Explanation of cost calculation

*Data not available*

### (3.1.1.29) Description of response

*Climate and sustainability benefits described in our product marketing. New product innovations. Finalise SBT and deliver on GHG reduction plans. Develop product life-cycle analysis.*

## **Climate change**

### (3.1.1.1) Risk identifier

Select from:

Risk9

### (3.1.1.3) Risk types and primary environmental risk driver

#### Policy

Carbon pricing mechanisms

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

Direct operations

### (3.1.1.6) Country/area where the risk occurs

Select all that apply

China

India

Brazil

Finland

Germany

Netherlands

Taiwan, China

United States of America

United Kingdom of Great Britain and Northern Ireland

### (3.1.1.9) Organization-specific description of risk

*A high carbon price could cause a significant increase in operating costs, making us uncompetitive.*

### (3.1.1.11) Primary financial effect of the risk

Select from:

Increased indirect [operating] costs

### (3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

Medium-term

### (3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

Likely

### (3.1.1.14) Magnitude

Select from:

High

### (3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*Higher operating costs. Potentially we become uncompetitive*

### (3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

Yes

### (3.1.1.21) Anticipated financial effect figure in the medium-term – minimum (currency)

200000

### (3.1.1.22) Anticipated financial effect figure in the medium-term – maximum (currency)

25000000

### (3.1.1.25) Explanation of financial effect figure

*We take the average carbon price of the different models included in each NGFS scenario. For the 3 scenarios that we analyse (Current Policies, Delayed Transition and Net Zero 2050) we multiply our Global Scope 12 CO2e emissions with this carbon price. The minimum is under current policies scenario, and assuming we*

reduce emissions in line with SBT requirements. The maximum is under Net Zero 2050 scenario and assumes we do nothing to reduce our emissions (indeed they grow at 1.5% per year). The year both values are quoted at is 2030.

### (3.1.1.26) Primary response to risk

#### Compliance, monitoring and targets

Other compliance, monitoring or target, please specify :Each site has energy reduction and GHG reduction targets

### (3.1.1.27) Cost of response to risk

386000

### (3.1.1.28) Explanation of cost calculation

CAPEX spent in 2023 on energy efficiency projects.

### (3.1.1.29) Description of response

Set an SBT to support our continued Scope 1, 2 and 3 emission reductions Continue energy efficiency and fuel switching projects Increase low carbon electricity purchases Product price adjustments  
[Add row]

## (3.1.2) Provide the amount and proportion of your financial metrics from the reporting year that are vulnerable to the substantive effects of environmental risks.

### Climate change

#### (3.1.2.1) Financial metric

Select from:

Revenue

### (3.1.2.2) Amount of financial metric vulnerable to transition risks for this environmental issue (unit currency as selected in 1.2)

25

### (3.1.2.3) % of total financial metric vulnerable to transition risks for this environmental issue

Select from:

1-10%

### (3.1.2.7) Explanation of financial figures

*We have revenue from drilling fluid additives and additives for vehicle pollution control ceramics which would be at risk if fossil fuel demand drops in a Net Zero scenario. Using our 2023 revenues and NGFS Net Zero 2050 fossil fuel production, we estimate this potential reduction in 2040. We are unable to quantify the physical risk impacts, but we think the financial exposure, even in the 2050 time frame, is low because our sites are already resilient against the extreme weather events that can occasionally occur even today.*

## Water

### (3.1.2.1) Financial metric

Select from:

Revenue

### (3.1.2.7) Explanation of financial figures

*Due to the diverse nature of our business and end markets, we are unable to quantify.  
[Add row]*

**(3.2) Within each river basin, how many facilities are exposed to substantive effects of water-related risks, and what percentage of your total number of facilities does this represent?**

## Row 1

### (3.2.1) Country/Area & River basin

**United States of America**

Other, please specify :Mojave

### (3.2.2) Value chain stages where facilities at risk have been identified in this river basin

*Select all that apply*

Direct operations

### (3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin

2

### (3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin

*Select from:*

1-25%

### (3.2.10) % organization's total global revenue that could be affected

*Select from:*

11-20%

### (3.2.11) Please explain

*This is a water stressed area. Our facilities in Newberry Springs, California include our hectorite clay mine, which is a key asset that provides clay for a large portion of products we sell.*

## Row 2

### (3.2.1) Country/Area & River basin

**China**

Other, please specify :Coast

**(3.2.2) Value chain stages where facilities at risk have been identified in this river basin**

Select all that apply

Direct operations

**(3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin**

2

**(3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin**

Select from:

1-25%

**(3.2.10) % organization's total global revenue that could be affected**

Select from:

1-10%

**(3.2.11) Please explain**

*This is a water stressed area. Our facilities in Anji and Songjiang provide a range of products for China and Asian markets.*

**Row 3**

**(3.2.1) Country/Area & River basin**

**Finland**

Oulujoki



### (3.2.2) Value chain stages where facilities at risk have been identified in this river basin

Select all that apply

Direct operations

### (3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin

2

### (3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin

Select from:

1-25%

### (3.2.10) % organization's total global revenue that could be affected

Select from:

11-20%

### (3.2.11) Please explain

*Our Talc mines and processing facilities have to ensure water discharges are within permitted pollution limits.*

## Row 4

### (3.2.1) Country/Area & River basin

**Finland**

Other, please specify :South

### (3.2.2) Value chain stages where facilities at risk have been identified in this river basin

Select all that apply

Direct operations

**(3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin**

2

**(3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin**

Select from:

1-25%

**(3.2.10) % organization's total global revenue that could be affected**

Select from:

1-10%

**(3.2.11) Please explain**

*Our Talc mines and processing facilities have to ensure water discharges are within permitted pollution limits.*

[Add row]

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

	Water-related regulatory violations	Comment
	Select from: <input checked="" type="checkbox"/> No	No penalties for water related regulatory violations.

[Fixed row]

**(3.4) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for violation of biodiversity-related regulation?**

	Any penalties for violation of biodiversity-related regulation?	Comment
	<i>Select from:</i> <input checked="" type="checkbox"/> No	<i>No penalties for violation of biodiversity-related regulation.</i>

*[Fixed row]*

**(3.6) Have you identified any environmental opportunities which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?**

**Climate change**

**(3.6.1) Environmental opportunities identified**

*Select from:*

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

**Forests**

**(3.6.1) Environmental opportunities identified**

*Select from:*

No

**(3.6.2) Primary reason why your organization does not consider itself to have environmental opportunities**

*Select from:*

- Not an immediate strategic priority

## Water

### (3.6.1) Environmental opportunities identified

Select from:

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

## Biodiversity

### (3.6.1) Environmental opportunities identified

Select from:

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

[Fixed row]

**(3.6.1) Provide details of the environmental opportunities identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.**

## Climate change

### (3.6.1.1) Opportunity identifier

Select from:

- Opp1

### (3.6.1.2) Commodity

Select all that apply

- Not applicable

### (3.6.1.3) Opportunity type and primary environmental opportunity driver

## Products and services

- Shift in consumer preferences

### (3.6.1.4) Value chain stage where the opportunity occurs

Select from:

- Downstream value chain

### (3.6.1.8) Organization specific description

*The increasing awareness for sustainability from customers and consumers is pushing the market from petrochemicals to natural technologies. The market for natural ingredients is identified to grow quicker than those of synthetic ingredients, posing therefore great potential for business development. Companies offering natural and sustainably sourced ingredients will likely have a competitive advantage and therefore generate higher sales of products. 69% (466M) of our 2022 Group revenue for continuing operations was from products that are natural or naturally derived, up from 66% in 2022. We believe this opportunity exists in all climate scenarios, and is highest in the Net Zero scenarios.*

### (3.6.1.9) Primary financial effect of the opportunity

Select from:

- Increased revenues resulting from increased demand for products and services

### (3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

- Short-term

### (3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

- Very likely (90–100%)

### (3.6.1.12) Magnitude

Select from:

- High

### (3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*Elementis is offering a wide portfolio of products that includes mineral and biomaterial components. These are increasingly being perceived by consumers as natural alternatives to traditional fossil-fuel derived petrochemical offerings, and this trend drives increased revenue opportunities for our current and forthcoming products.*

### (3.6.1.15) Are you able to quantify the financial effects of the opportunity?

Select from:

No

### (3.6.1.25) Explanation of cost calculation

*Data not available / commercially sensitive.*

### (3.6.1.26) Strategy to realize opportunity

*Our core strategy of realizing this opportunity is based on promotion and market penetration of these features, coupled with other critical product performance characteristics. Our R&D pipeline requires climate & sustainability benefits to be identified at the initial phase, so that it is clear how our portfolio evolves as the product developments progress.*

## Water

### (3.6.1.1) Opportunity identifier

Select from:

Opp5

### (3.6.1.3) Opportunity type and primary environmental opportunity driver

#### Resource efficiency

Use of recycling

### (3.6.1.4) Value chain stage where the opportunity occurs

Select from:

- Direct operations

### (3.6.1.5) Country/area where the opportunity occurs

Select all that apply

- Finland
- India
- United States of America

### (3.6.1.6) River basin where the opportunity occurs

Select all that apply

- Oulujoki
- Other, please specify :Finland South, USA Mojave, India West Coast Kalu

### (3.6.1.8) Organization specific description

*A number of our locations have found ways of recycling water and having zero water discharge. Water related aspects are considered during design and improvement projects.*

### (3.6.1.9) Primary financial effect of the opportunity

Select from:

- Reduced indirect (operating) costs

### (3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

- Short-term

### (3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

- Very likely (90–100%)

### (3.6.1.12) Magnitude

Select from:

Medium-low

### (3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*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.*

### (3.6.1.15) Are you able to quantify the financial effects of the opportunity?

Select from:

No

### (3.6.1.25) Explanation of cost calculation

*Data not available / commercially sensitive.*

### (3.6.1.26) 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.*

## Biodiversity

### (3.6.1.1) Opportunity identifier

Select from:

Opp8

### (3.6.1.3) Opportunity type and primary environmental opportunity driver



## Markets

- Increased availability of products with reduced environmental impact [other than certified products]

### (3.6.1.4) Value chain stage where the opportunity occurs

Select from:

- Downstream value chain

### (3.6.1.8) Organization specific description

*We are introducing products with less ecotoxic chemicals, such as dry products that do not need biocides to give them a useful shelf life.*

### (3.6.1.9) Primary financial effect of the opportunity

Select from:

- Increased revenues resulting from increased demand for products and services

### (3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

- Medium-term

### (3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

- Very likely (90–100%)

### (3.6.1.12) Magnitude

Select from:

- Medium-low

### (3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*With a product portfolio that gives lower impacts and meets customer demands, we ensure revenues can continue to grow.*

### **(3.6.1.15) Are you able to quantify the financial effects of the opportunity?**

Select from:

No

### **(3.6.1.25) Explanation of cost calculation**

*Data not available / commercially sensitive.*

### **(3.6.1.26) Strategy to realize opportunity**

*Marketing and communication of product benefits vs alternative offerings.*

## **Climate change**

### **(3.6.1.1) Opportunity identifier**

Select from:

Opp2

### **(3.6.1.3) Opportunity type and primary environmental opportunity driver**

#### **Markets**

Increased availability of products with reduced environmental impact [other than certified products]

### **(3.6.1.4) Value chain stage where the opportunity occurs**

Select from:

Downstream value chain

### **(3.6.1.8) Organization specific description**

*Lowering the environmental impact of the products we provide is a key opportunity as more and more customers look to their suppliers to help them offer finished products with lower impacts. We develop improved products and improved processes to help this happen. For example, we recently launched a dry powdered coatings additive that can replace a product shipped with 80% water content. This significantly lowers transport costs, transport emissions and physical volume needed in logistics. We believe this opportunity is strongest in the Net Zero scenarios.*

### **(3.6.1.9) Primary financial effect of the opportunity**

Select from:

- Increased revenues resulting from increased demand for products and services

### **(3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization**

Select all that apply

- Medium-term

### **(3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon**

Select from:

- Very likely (90–100%)

### **(3.6.1.12) Magnitude**

Select from:

- High

### **(3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons**

*We have diverse opportunities across our business units and at various points in the value chain. Recent examples are: dry powder additives that replace water-based solutions (transport); additives that require only low activation temperature, saving customers energy in their processing (processing of sold products), increasing use of plastic additives in vehicles for light-weighting (use of sold products); and paper coatings that enable paper packaging for foods and liquids (end-of-life).*

### **(3.6.1.15) Are you able to quantify the financial effects of the opportunity?**

Select from:

No

### (3.6.1.25) Explanation of cost calculation

*Data not available / commercially sensitive.*

### (3.6.1.26) Strategy to realize opportunity

*Partnerships with bio-based suppliers and developing materials that are biodegradable and natural are a must for growth. Elementis is committed to developing new ingredients which live up to the highest sustainability standards of our customers. By pursuing development projects with a strong sustainability agenda, complementary to Elementis current product offering, Elementis will increase its share with key industry sustainability drivers.*

## Climate change

### (3.6.1.1) Opportunity identifier

Select from:

Opp3

### (3.6.1.3) Opportunity type and primary environmental opportunity driver

#### Energy source

Use of low-carbon energy sources

### (3.6.1.4) Value chain stage where the opportunity occurs

Select from:

Direct operations

### (3.6.1.8) Organization specific description

*Using low carbon energy showcases our sustainability credentials to investors, customers and employees. Investors need to demonstrate a green portfolio, customers need lower carbon content products, and employees want to be a part of the solution. Strengthening our reputation for sustainable activities with these groups can increase our revenue, lower the costs of financing and retain/attract top talent. This opportunity exists across all scenarios, but especially the Net Zero scenarios.*

### **(3.6.1.9) Primary financial effect of the opportunity**

Select from:

- Reduced direct costs

### **(3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization**

Select all that apply

- Medium-term

### **(3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon**

Select from:

- Virtually certain (99–100%)

### **(3.6.1.12) Magnitude**

Select from:

- High

### **(3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons**

*Lowering our energy use and decarbonising can result in lower costs to the company from carbon pricing mechanisms and rising energy costs, as well as ensuring our revenues are resilient, our employees are motivated and financing costs are lower.*

### **(3.6.1.15) Are you able to quantify the financial effects of the opportunity?**

Select from:

- No

### **(3.6.1.25) Explanation of cost calculation**

*Data not available / commercially sensitive.*

### (3.6.1.26) Strategy to realize opportunity

*Energy efficiency investments are planned. We are exploring PPA contracts to secure renewable energy.*

## Climate change

### (3.6.1.1) Opportunity identifier

*Select from:*

Opp4

### (3.6.1.3) Opportunity type and primary environmental opportunity driver

#### Markets

Expansion into new markets

### (3.6.1.4) Value chain stage where the opportunity occurs

*Select from:*

Downstream value chain

### (3.6.1.6) River basin where the opportunity occurs

*Select all that apply*

Oulujoki

### (3.6.1.7) Mining project ID

*Select all that apply*

Project 1

Project 2

Project 3

Project 4

### (3.6.1.8) Organization specific description

*Talc mineral is recognised as being able to sequester carbon dioxide geologically. Carbon drawdown is a new and potentially large market that is required to be developed to meet global climate change targets. This opportunity exists in the Net Zero scenarios.*

### (3.6.1.9) Primary financial effect of the opportunity

Select from:

- Increased revenues through access to new and emerging markets

### (3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

- Long-term

### (3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

- Unlikely (0–33%)

### (3.6.1.12) Magnitude

Select from:

- Unknown

### (3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*We have joined a research project consortium to conduct feasibility on using talc to sequester carbon dioxide from the atmosphere or industrial processes. We own and operate talc mines in Finland, and, if successfully demonstrated, this could be a significant long term opportunity.*

### (3.6.1.15) Are you able to quantify the financial effects of the opportunity?

Select from:

- No

### (3.6.1.25) Explanation of cost calculation

*Data not available / commercially sensitive.*

### (3.6.1.26) Strategy to realize opportunity

*Working with partners in the consortium to demonstrate the technology and feasibility.*

## Water

### (3.6.1.1) Opportunity identifier

*Select from:*

Opp6

### (3.6.1.3) Opportunity type and primary environmental opportunity driver

#### Markets

Other markets opportunity, please specify :sales of new products/services

### (3.6.1.4) Value chain stage where the opportunity occurs

*Select from:*

Downstream value chain

### (3.6.1.8) Organization specific description

*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*

### (3.6.1.9) Primary financial effect of the opportunity

*Select from:*

Other, please specify :confidential



### (3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

Medium-term

### (3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

Likely (66–100%)

### (3.6.1.12) Magnitude

Select from:

Low

### (3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*The financial benefits are considered confidential.*

### (3.6.1.15) Are you able to quantify the financial effects of the opportunity?

Select from:

No

### (3.6.1.25) Explanation of cost calculation

*Data not available / commercially sensitive.*

### (3.6.1.26) 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.*

**Water**

### (3.6.1.1) Opportunity identifier

Select from:

- Opp7

### (3.6.1.3) Opportunity type and primary environmental opportunity driver

#### Products and services

- Reduced impact of product use on water resources

### (3.6.1.4) Value chain stage where the opportunity occurs

Select from:

- Downstream value chain

### (3.6.1.8) Organization specific description

*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*

### (3.6.1.9) Primary financial effect of the opportunity

Select from:

- Other, please specify :confidential

### (3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

- Medium-term

### (3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

- Likely (66–100%)

### (3.6.1.12) Magnitude

Select from:

Medium-low

### (3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*The financial benefits are considered confidential.*

### (3.6.1.15) Are you able to quantify the financial effects of the opportunity?

Select from:

No

### (3.6.1.25) Explanation of cost calculation

*Data not available / commercially sensitive.*

### (3.6.1.26) 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*  
*[Add row]*

**(3.6.2) Provide the amount and proportion of your financial metrics in the reporting year that are aligned with the substantive effects of environmental opportunities.**

	Explanation of financial figures
Climate change	<i>Data is commercially confidential or is unavailable.</i>
Water	<i>Data is commercially confidential or is unavailable.</i>

[Add row]

## C4. Governance

### (4.1) Does your organization have a board of directors or an equivalent governing body?

#### (4.1.1) Board of directors or equivalent governing body

Select from:

Yes

#### (4.1.2) Frequency with which the board or equivalent meets

Select from:

More frequently than quarterly

#### (4.1.3) Types of directors your board or equivalent is comprised of

Select all that apply

Executive directors or equivalent

Non-executive directors or equivalent

Independent non-executive directors or equivalent

#### (4.1.4) Board diversity and inclusion policy

Select from:

Yes, and it is publicly available

#### (4.1.5) Briefly describe what the policy covers

*The Board has adopted a Diversity Policy, which is available on the Company's website. The Board acknowledges the importance of diversity in its broadest sense in the boardroom as a key element of Board effectiveness. Diversity includes perspective, experience (including working internationally), background (including nationality), cognitive and personal strengths and other personal attributes, as well as diversity of gender, social background and ethnicity. We consider overall Board balance when appointing new Board members.*

#### (4.1.6) Attach the policy (optional)

Board-diversity-policy-1st-March-2023.pdf  
[Fixed row]

#### (4.1.1) Is there board-level oversight of environmental issues within your organization?

	Board-level oversight of this environmental issue
Climate change	Select from: <input checked="" type="checkbox"/> Yes
Forests	Select from: <input checked="" type="checkbox"/> Yes
Water	Select from: <input checked="" type="checkbox"/> Yes
Biodiversity	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

#### (4.1.2) Identify the positions (do not include any names) of the individuals or committees on the board with accountability for environmental issues and provide details of the board's oversight of environmental issues.

##### Climate change

#### (4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

- Board chair
- Director on board
- Chief Executive Officer (CEO)
- Chief Financial Officer (CFO)
- General Counsel

#### (4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

- Yes

#### (4.1.2.3) Policies which outline the positions' accountability for this environmental issue

Select all that apply

- Other policy applicable to the board, please specify :Division of responsibilities

#### (4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

- Scheduled agenda item in some board meetings – at least annually

#### (4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

- Approving corporate policies and/or commitments
- Other, please specify :**Ensure the climate strategy for the company is in place and is being executed on track with quality during regular operation of the business.**
- Reviewing and guiding innovation/R&D priorities
- Overseeing and guiding major capital expenditures
- Overseeing and guiding acquisitions, mergers, and divestitures
- Overseeing and guiding the development of a climate transition plan

#### (4.1.2.7) Please explain

*There are 8 scheduled Board meetings per year. The CEO provides a report at each Board meeting to enable the Board's oversight of risks. The report includes consideration of sustainability-related issues as follows: climate and environmental impact KPI/target progress; sustainability management and improvement topics; upcoming regulatory changes. The Sustainability Director also reports to the Board formally twice per year. The Sustainability Director also chairs the Environmental Sustainability Council which 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 sustainability and climate-related issues.*

## **Forests**

### **(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue**

*Select all that apply*

- Board chair
- Chief Executive Officer (CEO)
- Other, please specify :Senior VP, Global Manufacturing and supply chain

### **(4.1.2.7) Please explain**

*Our sites, especially our mine sites, must include forest and land impacts in their operating permits. If there is ever an issue in meeting requirements, it is addressed at the senior levels.*

## **Water**

### **(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue**

*Select all that apply*

- Board chair
- Director on board
- Chief Executive Officer (CEO)
- Chief Financial Officer (CFO)
- General Counsel

### **(4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board**

*Select from:*



Yes

#### (4.1.2.3) Policies which outline the positions' accountability for this environmental issue

Select all that apply

Other policy applicable to the board, please specify :Division of responsibilities

#### (4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

Scheduled agenda item in some board meetings – at least annually

#### (4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

Approving corporate policies and/or commitments  Other, please specify :Ensures the climate strategy for the company is in place and is being executed on track with quality during regular operation of the business.

Reviewing and guiding innovation/R&D priorities

Overseeing and guiding major capital expenditures

Overseeing and guiding acquisitions, mergers, and divestitures

Overseeing and guiding the development of a climate transition plan

#### (4.1.2.7) Please explain

*There are 8 scheduled Board meetings per year. The CEO provides a report at each Board meeting to enable the Board's oversight of risks. The report includes consideration of sustainability-related issues as follows: water and environmental impact KPI/target progress; sustainability management and improvement topics; upcoming regulatory changes. The Sustainability Director also reports to the Board formally twice per year. The Sustainability Director also chairs the Environmental Sustainability Council which 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 sustainability and water-related issues.*

## Biodiversity

#### (4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

- Board chair
- Chief Executive Officer (CEO)
- Other, please specify :Senior VP, Global Manufacturing and supply chain

#### (4.1.2.7) Please explain

*Our sites, especially our mine sites, must include biodiversity impacts in their operating permits. If there is ever an issue in meeting requirements, it is addressed at the senior levels.*

*[Fixed row]*

### (4.2) Does your organization's board have competency on environmental issues?

#### Climate change

#### (4.2.1) Board-level competency on this environmental issue

Select from:

- Yes

#### (4.2.2) Mechanisms to maintain an environmentally competent board

Select all that apply

- Integrating knowledge of environmental issues into board nominating process
- Having at least one board member with expertise on this environmental issue
- Other, please specify :Ad-hoc training depending on a Board members interests.

#### (4.2.3) Environmental expertise of the board member

##### Additional training

- Training in an environmental subject by a certified organization, please specify :University of Cambridge Institute of Sustainability Leadership introductory course

## Other

- Other, please specify :Incorporating sustainability considerations into their executive roles at other companies.

## Forests

### (4.2.1) Board-level competency on this environmental issue

Select from:

- No, and we do not plan to within the next two years

### (4.2.4) Primary reason for no board-level competency on this environmental issue

Select from:

- Not an immediate strategic priority

### (4.2.5) Explain why your organization does not have a board with competence on this environmental issue

*All Board members understand the importance of forests to the planet. However, our impact on forests is limited to certain raw material purchases and very infrequent changes in our open pit mine footprint.*

## Water

### (4.2.1) Board-level competency on this environmental issue

Select from:

- Yes

### (4.2.2) Mechanisms to maintain an environmentally competent board

Select all that apply

- Integrating knowledge of environmental issues into board nominating process
- Having at least one board member with expertise on this environmental issue
- Other, please specify :Ad-hoc training depending on a Board members interests.

### (4.2.3) Environmental expertise of the board member

#### Additional training

Training in an environmental subject by a certified organization, please specify :University of Cambridge Institute of Sustainability Leadership introductory course

#### Other

Other, please specify :Incorporating sustainability considerations into their executive roles at other companies.

[Fixed row]

### (4.3) Is there management-level responsibility for environmental issues within your organization?

	Management-level responsibility for this environmental issue
Climate change	Select from: <input checked="" type="checkbox"/> Yes
Forests	Select from: <input checked="" type="checkbox"/> Yes
Water	Select from: <input checked="" type="checkbox"/> Yes
Biodiversity	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

**(4.3.1) Provide the highest senior management-level positions or committees with responsibility for environmental issues (do not include the names of individuals).**

## Climate change

### (4.3.1.1) Position of individual or committee with responsibility

#### Committee

- Sustainability committee

### (4.3.1.2) Environmental responsibilities of this position

#### Dependencies, impacts, risks and opportunities

- Assessing environmental dependencies, impacts, risks, and opportunities
- Assessing future trends in environmental dependencies, impacts, risks, and opportunities
- Managing environmental dependencies, impacts, risks, and opportunities

#### Policies, commitments, and targets

- Monitoring compliance with corporate environmental policies and/or commitments
- Measuring progress towards environmental corporate targets
- Measuring progress towards environmental science-based targets
- Setting corporate environmental policies and/or commitments
- Setting corporate environmental targets

#### Strategy and financial planning

- Implementing a climate transition plan
- Implementing the business strategy related to environmental issues

### (4.3.1.4) Reporting line

Select from:

- Reports to the Chief Executive Officer (CEO)

### (4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

- Half-yearly

#### (4.3.1.6) Please explain

*Chaired by the Global Sustainability Director. Ensures the climate strategy for the company is supported by key businesses processes. Identifies improvements to business processes. Tracks key KPI performance and challenges in implementation in operations, R&D, sales & marketing and procurement. Ensures resources are available to introduce new or enhanced activities.*

### Forests

#### (4.3.1.1) Position of individual or committee with responsibility

##### Other

- Other, please specify :Senior Vice President, Global Supply Chain and Manufacturing

#### (4.3.1.2) Environmental responsibilities of this position

##### Strategy and financial planning

- Managing major capital and/or operational expenditures relating to environmental issues

#### (4.3.1.4) Reporting line

Select from:

- Reports to the Chief Executive Officer (CEO)

#### (4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

- As important matters arise

#### (4.3.1.6) Please explain

*Role oversees our manufacturing and mining sites and ensures they are compliant with local environmental permits and regulations.*

## **Water**

### **(4.3.1.1) Position of individual or committee with responsibility**

#### **Committee**

- Sustainability committee

### **(4.3.1.2) Environmental responsibilities of this position**

#### **Dependencies, impacts, risks and opportunities**

- Assessing environmental dependencies, impacts, risks, and opportunities
- Assessing future trends in environmental dependencies, impacts, risks, and opportunities
- Managing environmental dependencies, impacts, risks, and opportunities

#### **Policies, commitments, and targets**

- Monitoring compliance with corporate environmental policies and/or commitments
- Measuring progress towards environmental corporate targets
- Setting corporate environmental targets

#### **Strategy and financial planning**

- Implementing the business strategy related to environmental issues

### **(4.3.1.4) Reporting line**

*Select from:*

- Reports to the Chief Executive Officer (CEO)

### **(4.3.1.5) Frequency of reporting to the board on environmental issues**

*Select from:*

Half-yearly

#### (4.3.1.6) Please explain

*Chaired by the Global Sustainability Director. Ensures the KPIs related to our water strategy are supported by key businesses processes in operations and R&D. Tracks performance and challenges in implementation.*

### Biodiversity

#### (4.3.1.1) Position of individual or committee with responsibility

##### Other

Other, please specify :Senior Vice President, Global Supply Chain and Manufacturing

#### (4.3.1.2) Environmental responsibilities of this position

##### Strategy and financial planning

Managing major capital and/or operational expenditures relating to environmental issues

#### (4.3.1.4) Reporting line

*Select from:*

Reports to the Chief Executive Officer (CEO)

#### (4.3.1.5) Frequency of reporting to the board on environmental issues

*Select from:*

As important matters arise

#### (4.3.1.6) Please explain

*Role oversees our manufacturing and mining sites and ensures they are compliant with local environmental permits and regulations.*  
[Add row]



**(4.5) Do you provide monetary incentives for the management of environmental issues, including the attainment of targets?**

## **Climate change**

### **(4.5.1) Provision of monetary incentives related to this environmental issue**

Select from:

Yes

### **(4.5.2) % of total C-suite and board-level monetary incentives linked to the management of this environmental issue**

5

### **(4.5.3) Please explain**

*5% of the CEO and CFO 2023 bonus is based on environmental performance. Most of the 2023 metrics were associated with climate (greenhouse emissions reduction, energy reduction, expansion of product life-cycle analysis, Scope 3 data verification).*

## **Forests**

### **(4.5.1) Provision of monetary incentives related to this environmental issue**

Select from:

No, and we do not plan to introduce them in the next two years

### **(4.5.3) Please explain**

*Not a strategic priority due to our lower impacts*

## **Water**

### **(4.5.1) Provision of monetary incentives related to this environmental issue**

Select from:

Yes

#### (4.5.2) % of total C-suite and board-level monetary incentives linked to the management of this environmental issue

5

#### (4.5.3) Please explain

*5% of the CEO and CFO 2023 bonus is based on environmental performance. One of these key KPIs is related to water withdrawal reduction performance.*

### Biodiversity

#### (4.5.1) Provision of monetary incentives related to this environmental issue

Select from:

No, and we do not plan to introduce them in the next two years

#### (4.5.3) Please explain

*Not a strategic priority due to our lower impacts.  
[Fixed row]*

**(4.5.1) Provide further details on the monetary incentives provided for the management of environmental issues (do not include the names of individuals).**

### Climate change

#### (4.5.1.1) Position entitled to monetary incentive

**Board or executive level**

Chief Executive Officer (CEO)

## (4.5.1.2) Incentives

Select all that apply

- Bonus - % of salary

## (4.5.1.3) Performance metrics

### Targets

- Progress towards environmental targets

### Strategy and financial planning

- Other strategy and financial planning-related metrics, please specify :Scope 3 data verification; Product life cycle analysis expansion

### Emission reduction

- Reduction in emissions intensity
- Other emission reduction-related metrics, please specify :Reduction in energy from fuels per tonne produced

### Resource use and efficiency

- Energy efficiency improvement

### Pollution

- Other pollution-related metrics, please specify :Reduction waste sent to third parties per tonne production.

## (4.5.1.4) Incentive plan the incentives are linked to

Select from:

- Short-Term Incentive Plan, or equivalent, only (e.g. contractual annual bonus)

## (4.5.1.5) Further details of incentives

*The CEO and CFO have sustainability objectives (which include climate-related metrics) as part of their remuneration package. Environmental performance, including greenhouse gas emission intensity targets, are also part of site management objectives.*

#### (4.5.1.6) How the position's incentives contribute to the achievement of your environmental commitments and/or climate transition plan

*We have a 2030 target to reduce Scope12(market) greenhouse gas emissions per tonne of production by 25% based on a 2019 baseline. and are committed to set an science-based reduction target via SBTi. 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 energy efficiency at our operating sites, which has made a large impact on our water withdrawals. In addition, we have also invested in replacing a process which combusts heavy fuel oil processes with equipment which burns cleaner LPG. There is future potential to use electricity for this process.*

### Water

#### (4.5.1.1) Position entitled to monetary incentive

##### Board or executive level

- Chief Executive Officer (CEO)

#### (4.5.1.2) Incentives

*Select all that apply*

- Bonus - % of salary

#### (4.5.1.3) Performance metrics

##### Targets

- Progress towards environmental targets

##### Resource use and efficiency

- Improvements in water efficiency – direct operations

#### (4.5.1.4) Incentive plan the incentives are linked to

*Select from:*

- Short-Term Incentive Plan, or equivalent, only (e.g. contractual annual bonus)

#### (4.5.1.5) Further details of incentives

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 2023, giving a fully met assessment.

#### (4.5.1.6) How the position's incentives contribute to the achievement of your environmental commitments and/or climate transition plan

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 have less use of biocides, minimising pollution risks.

### Climate change

#### (4.5.1.1) Position entitled to monetary incentive

##### Board or executive level

- Chief Financial Officer (CFO)

#### (4.5.1.2) Incentives

Select all that apply

- Bonus - % of salary

#### (4.5.1.3) Performance metrics

##### Targets

- Progress towards environmental targets

##### Strategy and financial planning

- Other strategy and financial planning-related metrics, please specify :Scope 3 data verification; expansion of product life cycle analysis

### **Emission reduction**

- Reduction in emissions intensity
- Other emission reduction-related metrics, please specify : Reduction energy from fuels per tonne produced

### **Resource use and efficiency**

- Energy efficiency improvement

### **Pollution**

- Other pollution-related metrics, please specify :Reduction of waste sent to third parties per tonne production

## **(4.5.1.4) Incentive plan the incentives are linked to**

*Select from:*

- Short-Term Incentive Plan, or equivalent, only (e.g. contractual annual bonus)

## **(4.5.1.5) Further details of incentives**

*As above for CEO*

## **(4.5.1.6) How the position's incentives contribute to the achievement of your environmental commitments and/or climate transition plan**

*As above for CEO*

## **Water**

### **(4.5.1.1) Position entitled to monetary incentive**

#### **Board or executive level**

- Chief Financial Officer (CFO)

### **(4.5.1.2) Incentives**

Select all that apply

- Bonus - % of salary

### (4.5.1.3) Performance metrics

#### Targets

- Progress towards environmental targets

#### Resource use and efficiency

- Improvements in water efficiency – direct operations

### (4.5.1.4) Incentive plan the incentives are linked to

Select from:

- Short-Term Incentive Plan, or equivalent, only (e.g. contractual annual bonus)

### (4.5.1.5) Further details of incentives

As above for CEO

### (4.5.1.6) How the position's incentives contribute to the achievement of your environmental commitments and/or climate transition plan

As above for CEO

[Add row]

### (4.6) Does your organization have an environmental policy that addresses environmental issues?

	Does your organization have any environmental policies?
	<i>Select from:</i> <input checked="" type="checkbox"/> Yes

[Fixed row]

### (4.6.1) Provide details of your environmental policies.

#### Row 1

#### (4.6.1.1) Environmental issues covered

*Select all that apply*

Climate change

#### (4.6.1.2) Level of coverage

*Select from:*

Organization-wide

#### (4.6.1.3) Value chain stages covered

*Select all that apply*

Direct operations

#### (4.6.1.4) Explain the coverage

*There are no exclusions to this policy in our direct operations. All sites must comply with the policy. Supplier expectations are detailed in our Business Partner Code of Conduct.*



#### (4.6.1.5) Environmental policy content

##### Environmental commitments

- Commitment to comply with regulations and mandatory standards
- Commitment to take environmental action beyond regulatory compliance

##### Social commitments

- Other social commitment, please specify :Nothing is more important than ensuring our employees and contractors return home from work each day to their loved ones in the same or better condition as when they came to work.

#### (4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

*Select all that apply*

- No, but we plan to align in the next two years

#### (4.6.1.7) Public availability

*Select from:*

- Publicly available

#### (4.6.1.8) Attach the policy

*HSE\_20Policy\_20April\_202022\_20FINAL\_20\_2\_\_2\_.pdf*

### Row 2

#### (4.6.1.1) Environmental issues covered

*Select all that apply*

- Water

#### (4.6.1.2) Level of coverage

*Select from:*

- Organization-wide

#### (4.6.1.3) Value chain stages covered

Select all that apply

- Direct operations

#### (4.6.1.4) Explain the coverage

There are no exclusions to this policy in our direct operations. All sites must comply with the policy. Supplier expectations are detailed in our Business Partner Code of Conduct.

#### (4.6.1.5) Environmental policy content

##### Water-specific commitments

- Commitment to reduce water consumption volumes
- Commitment to reduce water withdrawal volumes
- Commitment to water stewardship and/or collective action

#### (4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

Select all that apply

- No, and we do not plan to align in the next two years

#### (4.6.1.7) Public availability

Select from:

- Publicly available

#### (4.6.1.8) Attach the policy

Elementis-Water-Policy-Final.pdf

Row 3

#### (4.6.1.1) Environmental issues covered

Select all that apply

- Biodiversity

#### (4.6.1.2) Level of coverage

Select from:

- Organization-wide

#### (4.6.1.3) Value chain stages covered

Select all that apply

- Direct operations

#### (4.6.1.4) Explain the coverage

*There are no exclusions to this policy in our direct operations. All sites must comply with the policy. Supplier expectations are detailed in our Business Partner Code of Conduct.*

#### (4.6.1.5) Environmental policy content

##### **Environmental commitments**

- Commitment to implementation of nature-based solutions that support landscape restoration and long-term protection of natural ecosystems

##### **Additional references/Descriptions**

- Description of biodiversity-related performance standards

#### (4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

Select all that apply

- No, and we do not plan to align in the next two years

#### (4.6.1.7) Public availability

Select from:

Publicly available

#### (4.6.1.8) Attach the policy

*Elementis-Biodiversity-Statement-October\_2019.pdf*

[Add row]

#### (4.10) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

##### (4.10.1) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

Select from:

Yes

##### (4.10.2) Collaborative framework or initiative

Select all that apply

Roundtable on Sustainable Palm Oil (RSPO)

Science-Based Targets Initiative (SBTi)

UN Global Compact

##### (4.10.3) Describe your organization's role within each framework or initiative

*RSPO: certificate of registration in place. SBTi: Committed to set an SBT. UNGC: Participate in the UNGC COP.*

[Fixed row]

#### (4.11) In the reporting year, did your organization engage in activities that could directly or indirectly influence policy, law, or regulation that may (positively or negatively) impact the environment?

##### (4.11.1) External engagement activities that could directly or indirectly influence policy, law, or regulation that may impact the environment

Select all that apply

No, we have assessed our activities, and none could directly or indirectly influence policy, law, or regulation that may impact the environment

**(4.11.2) Indicate whether your organization has a public commitment or position statement to conduct your engagement activities in line with global environmental treaties or policy goals**

Select from:

No, and we do not plan to have one in the next two years

**(4.11.5) Indicate whether your organization is registered on a transparency register**

Select from:

No

**(4.11.8) Describe the process your organization has in place to ensure that your external engagement activities are consistent with your environmental commitments and/or transition plan**

*Our Board has decision-making oversight of any political donations and activities, and any activities which could hurt the reputation of the company.*

**(4.11.9) Primary reason for not engaging in activities that could directly or indirectly influence policy, law, or regulation that may impact the environment**

Select from:

Not an immediate strategic priority

**(4.11.10) Explain why your organization does not engage in activities that could directly or indirectly influence policy, law, or regulation that may impact the environment**

*We are a small organisation compared to the wider chemicals industry and our influence would be small. Therefore, we deploy our resources on other topics.  
[Fixed row]*

**(4.12.1) Provide details on the information published about your organization's response to environmental issues for this reporting year in places other than your CDP response. Please attach the publication.**

## Row 1

### (4.12.1.1) Publication

Select from:

- In mainstream reports

### (4.12.1.3) Environmental issues covered in publication

Select all that apply

- Climate change
- Water
- Biodiversity

### (4.12.1.4) Status of the publication

Select from:

- Complete

### (4.12.1.5) Content elements

Select all that apply

- Governance
- Emission targets
- Emissions figures
- Risks & Opportunities
- Dependencies & Impacts
- Water accounting figures

### (4.12.1.6) Page/section reference

29-53

### (4.12.1.7) Attach the relevant publication

#### **(4.12.1.8) Comment**

*This is the annual report FY2023 which contains our disclosures on sustainability-related topics.*

*[Add row]*

## C5. Business strategy

### (5.1) Does your organization use scenario analysis to identify environmental outcomes?

#### Climate change

##### (5.1.1) Use of scenario analysis

Select from:

Yes

##### (5.1.2) Frequency of analysis

Select from:

Annually

#### Forests

##### (5.1.1) Use of scenario analysis

Select from:

No, and we do not plan to within the next two years

##### (5.1.3) Primary reason why your organization has not used scenario analysis

Select from:

Not an immediate strategic priority

##### (5.1.4) Explain why your organization has not used scenario analysis

*We recognise the importance of maintaining healthy forest ecosystems and use bio-based materials in our products. We do not tolerate illegal deforestation in our supply chain. However, our exposure and impacts are less material than other topics.*



## Water

### (5.1.1) Use of scenario analysis

Select from:

Yes

### (5.1.2) Frequency of analysis

Select from:

Annually

[Fixed row]

**(5.1.1) Provide details of the scenarios used in your organization's scenario analysis.**

## Climate change

### (5.1.1.1) Scenario used

**Climate transition scenarios**

NGFS scenarios framework, please specify :Net zero 2050

### (5.1.1.3) Approach to scenario

Select from:

Qualitative

### (5.1.1.4) Scenario coverage

Select from:

Organization-wide

### (5.1.1.5) Risk types considered in scenario

*Select all that apply*

- Acute physical
- Chronic physical
- Market
- Reputation
- Technology

#### (5.1.1.6) Temperature alignment of scenario

*Select from:*

- 1.5°C or lower

#### (5.1.1.7) Reference year

2020

#### (5.1.1.8) Timeframes covered

*Select all that apply*

- 2025
- 2030
- 2050

#### (5.1.1.9) Driving forces in scenario

##### **Local ecosystem asset interactions, dependencies and impacts**

- Climate change (one of five drivers of nature change)

##### **Regulators, legal and policy regimes**

- Political impact of science (from galvanizing to paralyzing)

##### **Relevant technology and science**

- Other relevant technology and science driving forces, please specify :rate of change - fast

### (5.1.1.10) Assumptions, uncertainties and constraints in scenario

*Net Zero 2050 is an ambitious scenario that limits global warming to 1.5 C through stringent climate policies and innovation, reaching net zero CO<sub>2</sub> emissions around 2050. Some jurisdictions such as the US, EU and Japan reach net zero for all greenhouse gases by this point. 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<sub>2</sub> 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 (*

### (5.1.1.11) Rationale for choice of scenario

*We use NGFS as a publicly available resource that gives us insight into potential macro-trends under different futures. This scenario meets the TCFD requirement to include a 1.5C-aligned scenario.*

## Water

### (5.1.1.1) Scenario used

#### Water scenarios

WRI Aqueduct

### (5.1.1.3) Approach to scenario

Select from:

Qualitative

### (5.1.1.4) Scenario coverage

Select from:

Organization-wide

### (5.1.1.5) Risk types considered in scenario

Select all that apply

Acute physical

- Chronic physical

#### (5.1.1.7) Reference year

2020

#### (5.1.1.8) Timeframes covered

Select all that apply

- 2025
- 2030
- 2050

#### (5.1.1.9) Driving forces in scenario

##### Stakeholder and customer demands

- Impact of nature service delivery on consumer

#### (5.1.1.10) Assumptions, uncertainties and constraints in scenario

*The "pessimistic" scenario (SSP5 RCP8.5) represents a future where temperatures increase up to 3.3C to 5.7C by 2100. SSP5 describes fossil-fuelled development: rapid economic growth and globalization powered by carbon-intensive energy, strong institutions with high investment in education and technology but a lack of global environmental concern, and the population peaking and declining in the 21st century.*

#### (5.1.1.11) Rationale for choice of scenario

*WRI Aqueduct provides us insight into water risks and how they evolve over time. We focus on water stress as a risk to the availability of fresh water, for our business and wider stakeholders. For our locations, there is no meaningful change in risk across any scenario, so we consider the pessimistic scenario.*

### Climate change

#### (5.1.1.1) Scenario used

## Climate transition scenarios

NGFS scenarios framework, please specify :Delayed transition

### (5.1.1.3) Approach to scenario

Select from:

Qualitative

### (5.1.1.4) Scenario coverage

Select from:

Organization-wide

### (5.1.1.5) Risk types considered in scenario

Select all that apply

Acute physical

Chronic physical

Market

Reputation

Technology

### (5.1.1.6) Temperature alignment of scenario

Select from:

1.6°C - 1.9°C

### (5.1.1.7) Reference year

2020

### (5.1.1.8) Timeframes covered

Select all that apply

- 2025
- 2030
- 2050

### (5.1.1.9) Driving forces in scenario

#### Local ecosystem asset interactions, dependencies and impacts

- Climate change (one of five drivers of nature change)

#### Regulators, legal and policy regimes

- Political impact of science (from galvanizing to paralyzing)

#### Relevant technology and science

- Other relevant technology and science driving forces, please specify :rate of change - slow then fast

### (5.1.1.10) Assumptions, uncertainties and constraints in scenario

*Delayed Transition assumes global annual emissions do not decrease until 2030. Strong policies are then needed to limit warming to below 2 C. Negative emissions are limited. This scenario assumes new climate policies are not introduced until 2030 and the level of action differs across countries and regions based on currently implemented policies, leading to a “fossil recovery” out of the economic crisis brought about by COVID-19. The availability of CDR technologies is assumed to be low pushing carbon prices higher than in Net Zero 2050. As a result, emissions exceed the carbon budget temporarily and decline more rapidly than in Well-below 2 C after 2030 to ensure a 67 % chance of limiting global warming to below 2 C. This leads to both higher transition and physical risks than the Net Zero 2050 and Below 2 C scenarios.*

### (5.1.1.11) Rationale for choice of scenario

*We use NGFS as a publicly available resource that gives us insight into potential macro-trends under different futures. We feel this scenario represents the most likely way humanity will meet Net Zero*

## Climate change

### (5.1.1.1) Scenario used

## Climate transition scenarios

NGFS scenarios framework, please specify :Current policies

### (5.1.1.3) Approach to scenario

Select from:

Qualitative

### (5.1.1.4) Scenario coverage

Select from:

Organization-wide

### (5.1.1.5) Risk types considered in scenario

Select all that apply

Acute physical

Chronic physical

Market

Reputation

Technology

### (5.1.1.6) Temperature alignment of scenario

Select from:

3.0°C - 3.4°C

### (5.1.1.7) Reference year

2020

### (5.1.1.8) Timeframes covered

Select all that apply

- 2025
- 2030
- 2050

#### (5.1.1.9) Driving forces in scenario

##### Local ecosystem asset interactions, dependencies and impacts

- Climate change (one of five drivers of nature change)

##### Regulators, legal and policy regimes

- Political impact of science (from galvanizing to paralyzing)

##### Relevant technology and science

- Other relevant technology and science driving forces, please specify :rate of change - low

#### (5.1.1.10) Assumptions, uncertainties and constraints in scenario

*Current Policies assumes that only currently implemented policies are preserved, leading to high physical risks. Emissions grow until 2080 leading to about 3 C of warming and severe physical risks. This includes irreversible changes like higher sea level rise. This scenario can help central banks and supervisors consider the long-term physical risks to the economy and financial system if we continue on our current path to a “hot house world”.*

#### (5.1.1.11) Rationale for choice of scenario

*We use NGFS as a publicly available resource that gives us insight into potential macro-trends under different futures. This scenario ensures we have a pessimistic scenario for humanities future and therefore maximises the physical risks we would be exposed to.*

*[Add row]*

#### (5.1.2) Provide details of the outcomes of your organization’s scenario analysis.

##### Climate change

#### (5.1.2.1) Business processes influenced by your analysis of the reported scenarios



Select all that apply

Target setting and transition planning

### (5.1.2.2) Coverage of analysis

Select from:

Organization-wide

### (5.1.2.3) Summarize the outcomes of the scenario analysis and any implications for other environmental issues

*Our short and medium term planning includes actions to ensure we take climate related opportunities and manage risks, including in: Marketing, to allow early identification of trends and opportunities. Our innovation pipeline and supply chain management to deliver new products with both improved performance and sustainability impacts. Operational activities, such as energy efficiency and decarbonisation projects. Based on this assessment, we believe our strategy is fundamentally resilient to market dynamics in different climate scenarios (including a 1.5C Net Zero scenario), and other risks over short/ medium, long and extended periods, and provides a solid foundation to capitalise on climate related opportunities.*

## Water

### (5.1.2.1) Business processes influenced by your analysis of the reported scenarios

Select all that apply

Target setting and transition planning

### (5.1.2.2) Coverage of analysis

Select from:

Organization-wide

### (5.1.2.3) Summarize the outcomes of the scenario analysis and any implications for other environmental issues

*Our sites are disrupted by lack of access to clean fresh water for manufacturing product. Strategic mitigations: Projects to minimise water withdrawal, increase water recycling and improve water and effluent management. Some sites have access to their own borehole for water supplies. Introduction of products that are dry powders, minimising water consumption at our locations.*

[Fixed row]

## (5.2) Does your organization's strategy include a climate transition plan?

### (5.2.1) Transition plan

Select from:

- No, but we are developing a climate transition plan within the next two years

### (5.2.15) Primary reason for not having a climate transition plan that aligns with a 1.5°C world

Select from:

- Other, please specify :Currently in the process of developing a climate transition plan.

### (5.2.16) Explain why your organization does not have a climate transition plan that aligns with a 1.5°C world

*Elementis has an ambition to reach Net Zero by 2050 and in 2024 management will set an SBT (via SBTi) for GHG reductions. We understand our Scope 1, 2 and 3 emissions and are developing plans to lower them in line with SBT requirements. We also are developing LCA of our key products so we can target improvements in at a product and portfolio level.*

*[Fixed row]*

## (5.3) Have environmental risks and opportunities affected your strategy and/or financial planning?

### (5.3.1) Environmental risks and/or opportunities have affected your strategy and/or financial planning

Select from:

- Yes, both strategy and financial planning

### (5.3.2) Business areas where environmental risks and/or opportunities have affected your strategy

Select all that apply

- Products and services
- Upstream/downstream value chain
- Investment in R&D

Operations

[Fixed row]

**(5.3.1) Describe where and how environmental risks and opportunities have affected your strategy.**

## Products and services

### (5.3.1.1) Effect type

Select all that apply

Opportunities

### (5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

Climate change

### (5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

*Elementis climate related opportunities in new product development. A sustainability check is included in our Stage Gate process to estimate and validate sustainability claims for new products. We are expanding our lifecycle assessment for our products so that we can quantify improvements across climate and other impacts.*

## Upstream/downstream value chain

### (5.3.1.1) Effect type

Select all that apply

Opportunities

### (5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

Climate change

### (5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

*We consider fuel efficient models for logistics services to minimize our emissions for transportation. For example, we have partnered with a firm in the US to consolidate less than full truckloads. We look to partner with our supply chain to introduce products with high bio-based material content, to reduce petrochemicals used in our products.*

## Investment in R&D

### (5.3.1.1) Effect type

*Select all that apply*

Opportunities

### (5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

*Select all that apply*

Climate change

### (5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

*R&D has identified opportunities to launch bio-based and other plant-based technologies. For example, our Dapro BIO line provides an alternative solvent to fossil fuel technologies that offers customers a renewable carbon option.*

## Operations

### (5.3.1.1) Effect type

*Select all that apply*

Opportunities

### (5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

*Select all that apply*

Climate change

Water

### **(5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area**

*We consider climate risks and opportunity in our improvement projects, and have a multiyear pipeline of identified projects. A monthly meeting is held to review % water, waste, energy, and GHG savings of improvement projects against our 2030 KPI.*

*[Add row]*

### **(5.3.2) Describe where and how environmental risks and opportunities have affected your financial planning.**

#### **Row 1**

#### **(5.3.2.1) Financial planning elements that have been affected**

*Select all that apply*

- Direct costs
- Capital expenditures

#### **(5.3.2.2) Effect type**

*Select all that apply*

- Opportunities

#### **(5.3.2.3) Environmental issues relevant to the risks and/or opportunities that have affected these financial planning elements**

*Select all that apply*

- Climate change

#### **(5.3.2.4) Describe how environmental risks and/or opportunities have affected these financial planning elements**

*In total in 2023, we spent 386,000 of CAPEX on energy efficiency projects (2022: 73,000) to save an estimated 9,000 GJ of annual energy demand (2022: 2,300 GJ).*

*[Add row]*

**(5.4) In your organization’s financial accounting, do you identify spending/revenue that is aligned with your organization’s climate transition?**

	<b>Identification of spending/revenue that is aligned with your organization’s climate transition</b>
	<i>Select from:</i> <input checked="" type="checkbox"/> No, but we plan to in the next two years

[Fixed row]

**(5.5) Does your organization invest in research and development (R&D) of low-carbon products or services related to your sector activities?**

	<b>Investment in low-carbon R&amp;D</b>	<b>Comment</b>
	<i>Select from:</i> <input checked="" type="checkbox"/> Yes	<i>For example, we have invested in developing products using plant-based chemicals in place of petrochemicals.</i>

[Fixed row]

**(5.5.3) Provide details of your organization’s investments in low-carbon R&D for chemical production activities over the last three years.**

**Row 1**

**(5.5.3.1) Technology area**

Select from:

- Carbon capture, utilization, and storage (CCUS)

### (5.5.3.2) Stage of development in the reporting year

Select from:

- Basic academic/theoretical research

### (5.5.3.6) Explain how your R&D investment in this technology area is aligned with your climate commitments and/or climate transition plan

*We are investigating the use of minerals for use in carbon sequestration, in collaboration with an EU-funded consortium. Exact costs are commercially confidential.*

## Row 3

### (5.5.3.1) Technology area

Select from:

- Product redesign

### (5.5.3.2) Stage of development in the reporting year

Select from:

- Pilot demonstration

### (5.5.3.6) Explain how your R&D investment in this technology area is aligned with your climate commitments and/or climate transition plan

*We are testing the use of bio-derived chemicals for certain products to replace fossil-derived chemicals. On medium term we will identify new bio-derived and recycled/reused materials. Exact costs are commercially confidential.*

[Add row]

## (5.10) Does your organization use an internal price on environmental externalities?

### (5.10.1) Use of internal pricing of environmental externalities

Select from:

- No, and we do not plan to in the next two years

### (5.10.3) Primary reason for not pricing environmental externalities

Select from:

- Other, please specify :We have not assessed the impact of doing this.

### (5.10.4) Explain why your organization does not price environmental externalities

*We have not assessed the impact of doing this. Currently as we embed our use of climate scenarios deeper into strategic processes, we may introduce internal price of carbon scenarios to help assess capital investment projects.*

[Fixed row]

## (5.11) Do you engage with your value chain on environmental issues?

### Suppliers

#### (5.11.1) Engaging with this stakeholder on environmental issues

Select from:

- Yes

#### (5.11.2) Environmental issues covered

Select all that apply

- Climate change
- Forests
- Water

### Smallholders



### (5.11.1) Engaging with this stakeholder on environmental issues

Select from:

- No, and we do not plan to within the next two years

### (5.11.3) Primary reason for not engaging with this stakeholder on environmental issues

Select from:

- Not an immediate strategic priority

### (5.11.4) Explain why you do not engage with this stakeholder on environmental issues

*Any smallholders in our supply chain are multiple tiers down and not generally accessible to us.*

## Customers

### (5.11.1) Engaging with this stakeholder on environmental issues

Select from:

- Yes

### (5.11.2) Environmental issues covered

Select all that apply

- Climate change
- Forests
- Water

## Investors and shareholders

### (5.11.1) Engaging with this stakeholder on environmental issues

Select from:

- Yes

## (5.11.2) Environmental issues covered

Select all that apply

- Climate change
- Forests
- Water

## Other value chain stakeholders

## (5.11.1) Engaging with this stakeholder on environmental issues

Select from:

- Yes

## (5.11.2) Environmental issues covered

Select all that apply

- Climate change
- Forests
- Water

[Fixed row]

## (5.11.1) Does your organization assess and classify suppliers according to their dependencies and/or impacts on the environment?

	Assessment of supplier dependencies and/or impacts on the environment
Climate change	Select from:

	Assessment of supplier dependencies and/or impacts on the environment
	<input checked="" type="checkbox"/> No, we do not currently assess the dependencies and/or impacts of our suppliers, but we plan to do so within the next two years
Forests	Select from: <input checked="" type="checkbox"/> No, we do not currently assess the dependencies and/or impacts of our suppliers, but we plan to do so within the next two years
Water	Select from: <input checked="" type="checkbox"/> No, we do not currently assess the dependencies and/or impacts of our suppliers, but we plan to do so within the next two years

[Fixed row]

## (5.11.2) Does your organization prioritize which suppliers to engage with on environmental issues?

### Climate change

#### (5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:

- Yes, we prioritize which suppliers to engage with on this environmental issue

#### (5.11.2.2) Criteria informing which suppliers are prioritized for engagement on this environmental issue

Select all that apply

- Product lifecycle
- Regulatory compliance
- Strategic status of suppliers

#### (5.11.2.4) Please explain

*we focus on the suppliers with highest strategic relevance to the business and highest climate impact to understand their approach to climate change and emissions.*

## **Forests**

### **(5.11.2.1) Supplier engagement prioritization on this environmental issue**

*Select from:*

Yes, we prioritize which suppliers to engage with on this environmental issue

### **(5.11.2.2) Criteria informing which suppliers are prioritized for engagement on this environmental issue**

*Select all that apply*

Regulatory compliance

### **(5.11.2.4) Please explain**

*We work to understand supply chain transparency and risks associated with forest commodities and upcoming regulations, such as EUDR.*

## **Water**

### **(5.11.2.1) Supplier engagement prioritization on this environmental issue**

*Select from:*

No, we do not prioritize which suppliers to engage with on this environmental issue

### **(5.11.2.3) Primary reason for no supplier prioritization on this environmental issue**

*Select from:*

No standardized procedure

### **(5.11.2.4) Please explain**

*As long as the supplier has environmental policies in place, we do not further assess supplier water risks.*

*[Fixed row]*

**(5.11.5) Do your suppliers have to meet environmental requirements as part of your organization’s purchasing process?**

	Suppliers have to meet specific environmental requirements related to this environmental issue as part of the purchasing process	Policy in place for addressing supplier non-compliance	Comment
Climate change	Select from: <input checked="" type="checkbox"/> Yes, suppliers have to meet environmental requirements related to this environmental issue, but they are not included in our supplier contracts	Select from: <input checked="" type="checkbox"/> No, we do not have a policy in place for addressing non-compliance	<i>requirements are part of the business partner code of conduct</i>
Forests	Select from: <input checked="" type="checkbox"/> Yes, suppliers have to meet environmental requirements related to this environmental issue, but they are not included in our supplier contracts	Select from: <input checked="" type="checkbox"/> No, we do not have a policy in place for addressing non-compliance	<i>requirements are part of the business partner code of conduct</i>
Water	Select from: <input checked="" type="checkbox"/> Yes, suppliers have to meet environmental requirements related to this environmental issue, but they are not included in our supplier contracts	Select from: <input checked="" type="checkbox"/> No, we do not have a policy in place for addressing non-compliance	<i>requirements are part of the business partner code of conduct</i>

[Fixed row]

**(5.11.6) Provide details of the environmental requirements that suppliers have to meet as part of your organization’s purchasing process, and the compliance measures in place.**

**Climate change**

**(5.11.6.1) Environmental requirement**

Select from:

- Other, please specify :Suppliers must take relevant steps to improve their environmental footprint which may include energy and water conservation, reduction of greenhouse gas emissions, pollution prevention, waste reduction.

### (5.11.6.2) Mechanisms for monitoring compliance with this environmental requirement

Select all that apply

- Certification
- Supplier self-assessment
- Other, please specify :supplier screening

### (5.11.6.3) % tier 1 suppliers by procurement spend required to comply with this environmental requirement

Select from:

- 100%

### (5.11.6.7) % tier 1 supplier-related scope 3 emissions attributable to the suppliers required to comply with this environmental requirement

Select from:

- 100%

### (5.11.6.12) Comment

*We are continuing to develop our ability to assess and act on the information provided by suppliers.*

### Forests

### (5.11.6.1) Environmental requirement

Select from:

- No deforestation or conversion of other natural ecosystems

### (5.11.6.2) Mechanisms for monitoring compliance with this environmental requirement

Select all that apply

- Certification
- Supplier self-assessment

Other, please specify :supplier screening

### (5.11.6.3) % tier 1 suppliers by procurement spend required to comply with this environmental requirement

Select from:

100%

### (5.11.6.12) Comment

*We are continuing to develop our ability to assess and act on the information provided by suppliers.*

## Water

### (5.11.6.1) Environmental requirement

Select from:

Other, please specify :Elementis Suppliers must meet all requirements of applicable environmental laws and regulations related to their products' development, manufacturing, and distribution. Elementis Suppliers must consider the impacts of their decisions and activities

### (5.11.6.2) Mechanisms for monitoring compliance with this environmental requirement

Select all that apply

Certification

Supplier self-assessment

Other, please specify :supplier screening

### (5.11.6.3) % tier 1 suppliers by procurement spend required to comply with this environmental requirement

Select from:

100%

### (5.11.6.12) Comment

*We are continuing to develop our ability to assess and act on the information provided by suppliers.*

[Add row]

**(5.11.7) Provide further details of your organization’s supplier engagement on environmental issues.**

**Climate change**

**(5.11.7.2) Action driven by supplier engagement**

*Select from:*

- No other supplier engagement

**Forests**

**(5.11.7.1) Commodity**

*Select from:*

- Palm oil

**(5.11.7.2) Action driven by supplier engagement**

*Select from:*

- No other supplier engagement

**Water**

**(5.11.7.2) Action driven by supplier engagement**

*Select from:*

- No other supplier engagement

[Add row]

**(5.11.9) Provide details of any environmental engagement activity with other stakeholders in the value chain.**

**Climate change**



### (5.11.9.1) Type of stakeholder

Select from:

- Investors and shareholders

### (5.11.9.2) Type and details of engagement

#### Education/Information sharing

- Share information on environmental initiatives, progress and achievements

### (5.11.9.3) % of stakeholder type engaged

Select from:

- 1-25%

### (5.11.9.4) % stakeholder-associated scope 3 emissions

Select from:

- None

### (5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

*To help understand our risks and increase our attractiveness as an investment.*

### (5.11.9.6) Effect of engagement and measures of success

*Improved understanding of our current position and future plans achieved. Investment risks related to sustainability are decreased.*

## Forests

### (5.11.9.1) Type of stakeholder

Select from:

- Customers

### (5.11.9.2) Type and details of engagement

#### Innovation and collaboration

- Align your organization's goals to support customers' targets and ambitions

### (5.11.9.3) % of stakeholder type engaged

Select from:

- 1-25%

### (5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

*To share our current position and plans. To help them understand better understand our status on specific topics and identify ways we can reduce risks for all parties.*

### (5.11.9.6) Effect of engagement and measures of success

*Supply chain transparency improvements so that customers can better understand their value chain risks.*

## Water

### (5.11.9.1) Type of stakeholder

Select from:

- Investors and shareholders

### (5.11.9.2) Type and details of engagement

#### Education/Information sharing

- Share information about your products and relevant certification schemes

### (5.11.9.3) % of stakeholder type engaged

Select from:

1-25%

#### (5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

*To help understand our risks and increase our attractiveness as an investment.*

#### (5.11.9.6) Effect of engagement and measures of success

*Improved understanding of our current position and future plans achieved. Investment risks related to sustainability are decreased.*

### Climate change

#### (5.11.9.1) Type of stakeholder

Select from:

Customers

#### (5.11.9.2) Type and details of engagement

##### Education/Information sharing

Share information about your products and relevant certification schemes

##### Innovation and collaboration

Align your organization's goals to support customers' targets and ambitions

#### (5.11.9.3) % of stakeholder type engaged

Select from:

1-25%

#### (5.11.9.4) % stakeholder-associated scope 3 emissions

Select from:

1-25%

### **(5.11.9.5) Rationale for engaging these stakeholders and scope of engagement**

*To share our strategy, progress on emissions reduction, and product carbon footprints (where available).*

### **(5.11.9.6) Effect of engagement and measures of success**

*Comfort that we are contributing actively to lowering Scope 3 emissions at our customers, lowering their risk.  
[Add row]*

## C6. Environmental Performance - Consolidation Approach

(6.1) Provide details on your chosen consolidation approach for the calculation of environmental performance data.

	Consolidation approach used	Provide the rationale for the choice of consolidation approach
Climate change	Select from: <input checked="" type="checkbox"/> Operational control	<i>Elementis has financial control over own operations</i>
Forests	Select from: <input checked="" type="checkbox"/> Operational control	<i>Elementis has financial control over own operations</i>
Water	Select from: <input checked="" type="checkbox"/> Operational control	<i>Elementis has financial control over own operations</i>
Plastics	Select from: <input checked="" type="checkbox"/> Operational control	<i>Elementis has financial control over own operations</i>
Biodiversity	Select from: <input checked="" type="checkbox"/> Operational control	<i>Elementis has financial control over own operations</i>

[Fixed row]

## C7. Environmental performance - Climate Change

**(7.1.1) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?**

	Has there been a structural change?
	Select all that apply <input checked="" type="checkbox"/> No

[Fixed row]

**(7.1.2) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?**

	Change(s) in methodology, boundary, and/or reporting year definition?
	Select all that apply <input checked="" type="checkbox"/> No

[Fixed row]

**(7.3) Describe your organization's approach to reporting Scope 2 emissions.**

	Scope 2, location-based	Scope 2, market-based	Comment
	Select from: <input checked="" type="checkbox"/> We are reporting a Scope 2, location-based figure	Select from: <input checked="" type="checkbox"/> We are reporting a Scope 2, market-based figure	This remains unchanged.

[Fixed row]

## (7.5) Provide your base year and base year emissions.

### Scope 1

#### (7.5.1) Base year end

12/31/2019

#### (7.5.2) Base year emissions (metric tons CO2e)

58469.0

#### (7.5.3) Methodological details

*Our GHG emissions are calculated with reference to the GHG Protocol Corporate Standard (2015 revision) and Corporate Value Chain (Scope 3) Accounting and Reporting Standard. Scope 1, 2 and 3 emissions are reported in tonnes of CO2 equivalent (CO2e) and include all gases in the GHG Protocol. We take an operational control approach to defining our GHG and energy organisational boundary. This means our equity ownerships are excluded from our Scope 12 footprint but are included in Scope 3 Category 15 (Investments). This approach is consistent with our financial statements. Data from new facilities are included from the date we take control and the facility becomes operational. Our Scope 1 GHG emissions include emissions from combustion of fuels for energy, heat and vehicles, process emissions from our chemical manufacturing, and refrigerants. We use DEFRA emission factors for Scope 1 fuels globally. CO2 from biomass is reported outside of the Scopes. CH4 and N2O emissions from biomass are included in our Scope 1. Our biomass CO2 emissions include energy and chemical process-related emissions. We exclude biomass that may be present in vehicle fuels.*

### Scope 2 (location-based)

### **(7.5.1) Base year end**

12/31/2019

### **(7.5.2) Base year emissions (metric tons CO2e)**

64457

### **(7.5.3) Methodological details**

*Our GHG emissions are calculated with reference to the GHG Protocol Corporate Standard (2015 revision) and Corporate Value Chain (Scope 3) Accounting and Reporting Standard. Scope 1, 2 and 3 emissions are reported in tonnes of CO2 equivalent (CO2e) and include all gases in the GHG Protocol. We take an operational control approach to defining our GHG and energy organisational boundary. This means our equity ownerships are excluded from our Scope 12 footprint but are included in Scope 3 Category 15 (Investments). This approach is consistent with our financial statements. Data from new facilities are included from the date we take control and the facility becomes operational. Our Scope 2 emissions include all emissions caused by creating the electricity, steam, and hot water we purchase. We use IEA emissions factors for location-based Scope 2 emissions, except in the UK where we use DEFRA factors.*

## **Scope 2 (market-based)**

### **(7.5.1) Base year end**

12/31/2019

### **(7.5.2) Base year emissions (metric tons CO2e)**

99957.0

### **(7.5.3) Methodological details**

*Our GHG emissions are calculated with reference to the GHG Protocol Corporate Standard (2015 revision) and Corporate Value Chain (Scope 3) Accounting and Reporting Standard. Scope 1, 2 and 3 emissions are reported in tonnes of CO2 equivalent (CO2e) and include all gases in the GHG Protocol. We take an operational control approach to defining our GHG and energy organisational boundary. This means our equity ownerships are excluded from our Scope 12 footprint but are included in Scope 3 Category 15 (Investments). This approach is consistent with our financial statements. Data from new facilities are included from the date we take control and the facility becomes operational. Our Scope 2 emissions include all emissions caused by creating the electricity, steam, and hot water we purchase. We use IEA emissions factors for location-based Scope 2 emissions, except in the UK where we use DEFRA factors. Scope 2 (market-based) emissions include power purchases associated with a Renewable Energy Certificate (REC) or Guarantee of Origin (GO). We use residual mix factors from the Association of Issuing Bodies (AIB) for European sites without an REC or GO, and use location-based factors for remaining sites market-based emissions.*



## Scope 3 category 1: Purchased goods and services

### (7.5.1) Base year end

12/31/2022

### (7.5.2) Base year emissions (metric tons CO2e)

319208

### (7.5.3) Methodological details

*We use primary purchased mass data for each direct raw material purchase. We use life-cycle emission factors from Ecoinvent matched to specific raw materials (where available). We use a spend-based Environmentally Extended Input Output (EEIO) model for any raw materials we are not able to source a specific factor for, and for other goods and services (i.e. indirect items) we purchase.*

## Scope 3 category 2: Capital goods

### (7.5.1) Base year end

12/31/2022

### (7.5.2) Base year emissions (metric tons CO2e)

22421.0

### (7.5.3) Methodological details

*Primary CAPEX spend data are calculated with reference to a spend-based EEIO factors.*

## Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)

### (7.5.1) Base year end

12/31/2022

## (7.5.2) Base year emissions (metric tons CO2e)

21321

## (7.5.3) Methodological details

*Calculated from our primary energy consumption data using DEFRA and IEA emission factors.*

### **Scope 3 category 4: Upstream transportation and distribution**

## (7.5.1) Base year end

12/31/2022

## (7.5.2) Base year emissions (metric tons CO2e)

158201.0

## (7.5.3) Methodological details

*Calculated with DEFRA emission factors for the mode of transport and primary data for mass moved. For a proportion of inbound direct material, we make assumptions about the origin location and transport mode of the material, while other inbound direct material is an estimated distance based on addresses.*

### **Scope 3 category 5: Waste generated in operations**

## (7.5.1) Base year end

12/31/2022

## (7.5.2) Base year emissions (metric tons CO2e)

9397

## (7.5.3) Methodological details

*Calculated using DEFRA emission factors and the primary data of mass and fate of waste generated in our operations.*

## Scope 3 category 6: Business travel

### (7.5.1) Base year end

12/31/2022

### (7.5.2) Base year emissions (metric tons CO2e)

4772.0

### (7.5.3) Methodological details

*Calculated with reference to a spend-based EEIO.*

## Scope 3 category 7: Employee commuting

### (7.5.1) Base year end

12/31/2022

### (7.5.2) Base year emissions (metric tons CO2e)

1483.0

### (7.5.3) Methodological details

*Calculated based on number of employee days on site and at home, assuming 100% use of private cars to travel to work (apart from for our small London office where we assume public transportation is used for commuting).*

## Scope 3 category 8: Upstream leased assets

### (7.5.1) Base year end

12/31/2022

### (7.5.2) Base year emissions (metric tons CO2e)

147.0

### **(7.5.3) Methodological details**

*Calculated with DEFRA and IEA emission factors, and the primary data on floor area and energy type used in the asset.*

## **Scope 3 category 9: Downstream transportation and distribution**

### **(7.5.1) Base year end**

12/31/2022

### **(7.5.2) Base year emissions (metric tons CO2e)**

11832.0

### **(7.5.3) Methodological details**

*Calculated with DEFRA emission factors for the mode of transport, with primary data for mass moved and estimated distances based on addresses for each customer shipment.*

## **Scope 3 category 10: Processing of sold products**

### **(7.5.1) Base year end**

12/31/2022

### **(7.5.3) Methodological details**

*We apply the WBCSD Guidance for Accounting & Reporting Corporate GHG Emissions in the Chemical Sector Value Chain guidance to this category, meaning it is not relevant, not calculated due to lack of visibility for the chemicals industry.*

## **Scope 3 category 11: Use of sold products**

### **(7.5.1) Base year end**

12/31/2022

### **(7.5.3) Methodological details**

*not relevant, not calculated due to our products not consuming energy and not emitting GHG in-use.*

## **Scope 3 category 12: End of life treatment of sold products**

### **(7.5.1) Base year end**

12/31/2022

### **(7.5.2) Base year emissions (metric tons CO2e)**

10159.0

### **(7.5.3) Methodological details**

*Calculated from DEFRA factors and the assumed end of life treatment of our product mass sold and their application type, and an estimate of packaging mass and disposal.*

## **Scope 3 category 13: Downstream leased assets**

### **(7.5.1) Base year end**

12/31/2022

### **(7.5.2) Base year emissions (metric tons CO2e)**

311.0

### **(7.5.3) Methodological details**

*Calculated with DEFRA and IEA emission factors, and the primary data on floor area and energy type used in the asset.*

## **Scope 3 category 14: Franchises**

### **(7.5.1) Base year end**

12/31/2022

### **(7.5.3) Methodological details**

*not applicable as we do not operate franchises*

### **Scope 3 category 15: Investments**

### **(7.5.1) Base year end**

12/31/2022

### **(7.5.2) Base year emissions (metric tons CO2e)**

115.0

### **(7.5.3) Methodological details**

*Calculated with DEFRA and IEA emission factors, and the primary data on floor area and energy type used in the asset.*

### **Scope 3: Other (upstream)**

### **(7.5.3) Methodological details**

*Not applicable*

### **Scope 3: Other (downstream)**

### **(7.5.3) Methodological details**

*Not applicable*

*[Fixed row]*

## **(7.6) What were your organization's gross global Scope 1 emissions in metric tons CO2e?**

### **Reporting year**

#### **(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)**

39217

#### **(7.6.3) Methodological details**

*Our GHG emissions are calculated with reference to the GHG Protocol Corporate Standard (2015 revision) and Corporate Value Chain (Scope 3) Accounting and Reporting Standard. Scope 1, 2 and 3 emissions are reported in tonnes of CO2 equivalent (CO2e) and include all gases in the GHG Protocol. We take an operational control approach to defining our GHG and energy organisational boundary. This means our equity ownerships are excluded from our Scope 12 footprint but are included in Scope 3 Category 15 (Investments). This approach is consistent with our financial statements. Data from new facilities are included from the date we take control and the facility becomes operational. Our Scope 1 GHG emissions include emissions from combustion of fuels for energy, heat and vehicles, process emissions from our chemical manufacturing, and refrigerants. We use DEFRA emission factors for Scope 1 fuels globally. CO2 from biomass is reported outside of the Scopes. CH4 and N2O emissions from biomass are included in our Scope 1. Our biomass CO2 emissions include energy and chemical process-related emissions. We exclude biomass that may be present in vehicle fuels.*

### **Past year 1**

#### **(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)**

47666

#### **(7.6.2) End date**

12/30/2022

#### **(7.6.3) Methodological details**

*Our GHG emissions are calculated with reference to the GHG Protocol Corporate Standard (2015 revision) and Corporate Value Chain (Scope 3) Accounting and Reporting Standard. Scope 1, 2 and 3 emissions are reported in tonnes of CO2 equivalent (CO2e) and include all gases in the GHG Protocol. We take an operational control approach to defining our GHG and energy organisational boundary. This means our equity ownerships are excluded from our Scope 12 footprint but are included in Scope 3 Category 15 (Investments). This approach is consistent with our financial statements. Data from new facilities are included from the date we take control and the facility becomes operational. Our Scope 1 GHG emissions include emissions from combustion of fuels for energy, heat and vehicles, process emissions from our chemical manufacturing, and refrigerants. We use DEFRA emission factors for Scope 1 fuels globally. CO2 from biomass is reported outside of*

*the Scopes. CH4 and N2O emissions from biomass are included in our Scope 1. Our biomass CO2 emissions include energy and chemical process-related emissions. We exclude biomass that may be present in vehicle fuels.*

## **Past year 2**

### **(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)**

49060

### **(7.6.2) End date**

12/30/2021

### **(7.6.3) Methodological details**

*Our GHG emissions are calculated with reference to the GHG Protocol Corporate Standard (2015 revision) and Corporate Value Chain (Scope 3) Accounting and Reporting Standard. Scope 1, 2 and 3 emissions are reported in tonnes of CO2 equivalent (CO2e) and include all gases in the GHG Protocol. We take an operational control approach to defining our GHG and energy organisational boundary. This means our equity ownerships are excluded from our Scope 12 footprint but are included in Scope 3 Category 15 (Investments). This approach is consistent with our financial statements. Data from new facilities are included from the date we take control and the facility becomes operational. Our Scope 1 GHG emissions include emissions from combustion of fuels for energy, heat and vehicles, process emissions from our chemical manufacturing, and refrigerants. We use DEFRA emission factors for Scope 1 fuels globally. CO2 from biomass is reported outside of the Scopes. CH4 and N2O emissions from biomass are included in our Scope 1. Our biomass CO2 emissions include energy and chemical process-related emissions. We exclude biomass that may be present in vehicle fuels.*

## **Past year 3**

### **(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)**

49050

### **(7.6.2) End date**

12/30/2020

### **(7.6.3) Methodological details**



*Our GHG emissions are calculated with reference to the GHG Protocol Corporate Standard (2015 revision) and Corporate Value Chain (Scope 3) Accounting and Reporting Standard. Scope 1, 2 and 3 emissions are reported in tonnes of CO2 equivalent (CO2e) and include all gases in the GHG Protocol. We take an operational control approach to defining our GHG and energy organisational boundary. This means our equity ownerships are excluded from our Scope 12 footprint but are included in Scope 3 Category 15 (Investments). This approach is consistent with our financial statements. Data from new facilities are included from the date we take control and the facility becomes operational. Our Scope 1 GHG emissions include emissions from combustion of fuels for energy, heat and vehicles, process emissions from our chemical manufacturing, and refrigerants. We use DEFRA emission factors for Scope 1 fuels globally. CO2 from biomass is reported outside of the Scopes. CH4 and N2O emissions from biomass are included in our Scope 1. Our biomass CO2 emissions include energy and chemical process-related emissions. We exclude biomass that may be present in vehicle fuels.*

## **Past year 4**

### **(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)**

58469

### **(7.6.2) End date**

12/30/2019

### **(7.6.3) Methodological details**

*Our GHG emissions are calculated with reference to the GHG Protocol Corporate Standard (2015 revision) and Corporate Value Chain (Scope 3) Accounting and Reporting Standard. Scope 1, 2 and 3 emissions are reported in tonnes of CO2 equivalent (CO2e) and include all gases in the GHG Protocol. We take an operational control approach to defining our GHG and energy organisational boundary. This means our equity ownerships are excluded from our Scope 12 footprint but are included in Scope 3 Category 15 (Investments). This approach is consistent with our financial statements. Data from new facilities are included from the date we take control and the facility becomes operational. Our Scope 1 GHG emissions include emissions from combustion of fuels for energy, heat and vehicles, process emissions from our chemical manufacturing, and refrigerants. We use DEFRA emission factors for Scope 1 fuels globally. CO2 from biomass is reported outside of the Scopes. CH4 and N2O emissions from biomass are included in our Scope 1. Our biomass CO2 emissions include energy and chemical process-related emissions. We exclude biomass that may be present in vehicle fuels.*

[Fixed row]

## **(7.7) What were your organization's gross global Scope 2 emissions in metric tons CO2e?**

### **Reporting year**

### **(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)**

44608

## **(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)**

23380

## **(7.7.4) Methodological details**

*Our GHG emissions are calculated with reference to the GHG Protocol Corporate Standard (2015 revision) and Corporate Value Chain (Scope 3) Accounting and Reporting Standard. Scope 1, 2 and 3 emissions are reported in tonnes of CO2 equivalent (CO2e) and include all gases in the GHG Protocol. We take an operational control approach to defining our GHG and energy organisational boundary. This means our equity ownerships are excluded from our Scope 12 footprint but are included in Scope 3 Category 15 (Investments). This approach is consistent with our financial statements. Data from new facilities are included from the date we take control and the facility becomes operational. Our Scope 2 emissions include all emissions caused by creating the electricity, steam, and hot water we purchase. We use IEA emissions factors for location-based Scope 2 emissions, except in the UK where we use DEFRA factors. Scope 2 (market-based) emissions include power purchases associated with a Renewable Energy Certificate (REC) or Guarantee of Origin (GO). We use residual mix factors from the Association of Issuing Bodies (AIB) for European sites without an REC or GO, and use location-based factors for remaining sites market-based emissions.*

## **Past year 1**

## **(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)**

42956

## **(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)**

19401

## **(7.7.3) End date**

12/30/2022

## **(7.7.4) Methodological details**

*Our GHG emissions are calculated with reference to the GHG Protocol Corporate Standard (2015 revision) and Corporate Value Chain (Scope 3) Accounting and Reporting Standard. Scope 1, 2 and 3 emissions are reported in tonnes of CO2 equivalent (CO2e) and include all gases in the GHG Protocol. We take an operational control approach to defining our GHG and energy organisational boundary. This means our equity ownerships are excluded from our Scope 12 footprint but are included in Scope 3 Category 15 (Investments). This approach is consistent with our financial statements. Data from new facilities are included from the date we take*

control and the facility becomes operational. Our Scope 2 emissions include all emissions caused by creating the electricity, steam, and hot water we purchase. We use IEA emissions factors for location-based Scope 2 emissions, except in the UK where we use DEFRA factors. Scope 2 (market-based) emissions include power purchases associated with a Renewable Energy Certificate (REC) or Guarantee of Origin (GO). We use residual mix factors from the Association of Issuing Bodies (AIB) for European sites without an REC or GO, and use location-based factors for remaining sites market-based emissions.

## Past year 2

### (7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

53447

### (7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

26183

### (7.7.3) End date

12/30/2021

### (7.7.4) Methodological details

Our GHG emissions are calculated with reference to the GHG Protocol Corporate Standard (2015 revision) and Corporate Value Chain (Scope 3) Accounting and Reporting Standard. Scope 1, 2 and 3 emissions are reported in tonnes of CO2 equivalent (CO2e) and include all gases in the GHG Protocol. We take an operational control approach to defining our GHG and energy organisational boundary. This means our equity ownerships are excluded from our Scope 12 footprint but are included in Scope 3 Category 15 (Investments). This approach is consistent with our financial statements. Data from new facilities are included from the date we take control and the facility becomes operational. Our Scope 2 emissions include all emissions caused by creating the electricity, steam, and hot water we purchase. We use IEA emissions factors for location-based Scope 2 emissions, except in the UK where we use DEFRA factors. Scope 2 (market-based) emissions include power purchases associated with a Renewable Energy Certificate (REC) or Guarantee of Origin (GO). We use residual mix factors from the Association of Issuing Bodies (AIB) for European sites without an REC or GO, and use location-based factors for remaining sites market-based emissions.

## Past year 3

### (7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

60501

### (7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

**(7.7.3) End date**

12/30/2020

**(7.7.4) Methodological details**

*Our GHG emissions are calculated with reference to the GHG Protocol Corporate Standard (2015 revision) and Corporate Value Chain (Scope 3) Accounting and Reporting Standard. Scope 1, 2 and 3 emissions are reported in tonnes of CO2 equivalent (CO2e) and include all gases in the GHG Protocol. We take an operational control approach to defining our GHG and energy organisational boundary. This means our equity ownerships are excluded from our Scope 12 footprint but are included in Scope 3 Category 15 (Investments). This approach is consistent with our financial statements. Data from new facilities are included from the date we take control and the facility becomes operational. Our Scope 2 emissions include all emissions caused by creating the electricity, steam, and hot water we purchase. We use IEA emissions factors for location-based Scope 2 emissions, except in the UK where we use DEFRA factors. Scope 2 (market-based) emissions include power purchases associated with a Renewable Energy Certificate (REC) or Guarantee of Origin (GO). We use residual mix factors from the Association of Issuing Bodies (AIB) for European sites without an REC or GO, and use location-based factors for remaining sites market-based emissions.*

**Past year 4****(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)**

64457

**(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)**

99957

**(7.7.3) End date**

12/30/2019

**(7.7.4) Methodological details**

*Our GHG emissions are calculated with reference to the GHG Protocol Corporate Standard (2015 revision) and Corporate Value Chain (Scope 3) Accounting and Reporting Standard. Scope 1, 2 and 3 emissions are reported in tonnes of CO2 equivalent (CO2e) and include all gases in the GHG Protocol. We take an operational control approach to defining our GHG and energy organisational boundary. This means our equity ownerships are excluded from our Scope 12 footprint but are included in Scope 3 Category 15 (Investments). This approach is consistent with our financial statements. Data from new facilities are included from the date we take*

control and the facility becomes operational. Our Scope 2 emissions include all emissions caused by creating the electricity, steam, and hot water we purchase. We use IEA emissions factors for location-based Scope 2 emissions, except in the UK where we use DEFRA factors. Scope 2 (market-based) emissions include power purchases associated with a Renewable Energy Certificate (REC) or Guarantee of Origin (GO). We use residual mix factors from the Association of Issuing Bodies (AIB) for European sites without an REC or GO, and use location-based factors for remaining sites market-based emissions.

[Fixed row]

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

### **Purchased goods and services**

#### **(7.8.1) Evaluation status**

Select from:

Relevant, calculated

#### **(7.8.2) Emissions in reporting year (metric tons CO2e)**

386217

#### **(7.8.3) Emissions calculation methodology**

Select all that apply

Hybrid method

Spend-based method

Other, please specify :process-based method

#### **(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners**

0

#### **(7.8.5) Please explain**

We use a process-based method - mass of raw material purchased combined with cradle-to-gate LCA factors sourced from e.g. Ecoinvent - for certain raw materials we purchase. For other raw materials and services, we use a spend-based EEIO model.

## Capital goods

### (7.8.1) Evaluation status

Select from:

Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

15338

### (7.8.3) Emissions calculation methodology

Select all that apply

Spend-based method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

### (7.8.5) Please explain

*We use an EEIO model.*

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

### (7.8.1) Evaluation status

Select from:

Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

20916

### (7.8.3) Emissions calculation methodology

Select all that apply

- Average data method
- Fuel-based method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

### (7.8.5) Please explain

We use well-to- tank (WTT) factors and transmission and distribution (T&D) factors. We use the fuel mix at each of our sites and emission factors from the IEA and DEFRA.

## Upstream transportation and distribution

### (7.8.1) Evaluation status

Select from:

- Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO<sub>2</sub>e)

86449

### (7.8.3) Emissions calculation methodology

Select all that apply

- Hybrid method
- Average data method
- Distance-based method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

### (7.8.5) Please explain

*Where location information is available, distance, mode and tonnage are combined with WTT factors (from DEFRA) to calculate emissions. If a location is not known, we estimate emissions based on the average distances by mode expected. Inbound transport of goods not for resale (e.g. capital equipment, maintenance suppliers) are excluded due to lack of visibility.*

## Waste generated in operations

### (7.8.1) Evaluation status

Select from:

Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

4371

### (7.8.3) Emissions calculation methodology

Select all that apply

Waste-type-specific method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

### (7.8.5) Please explain

*Site waste mass data is combined with DEFRA factors for hazardous and non-hazardous waste combined and an estimate the material type in the waste.*

## Business travel

### (7.8.1) Evaluation status



Select from:

Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

4779

### (7.8.3) Emissions calculation methodology

Select all that apply

Spend-based method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

### (7.8.5) Please explain

*EEIO method based on spend by transport type.*

## Employee commuting

### (7.8.1) Evaluation status

Select from:

Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

873

### (7.8.3) Emissions calculation methodology

Select all that apply

Average data method

#### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

#### (7.8.5) Please explain

*number of full time employees at each site; estimated work from home rate; estimated travel distance combined with DEFRA emission factors*

### Upstream leased assets

#### (7.8.1) Evaluation status

Select from:

Relevant, calculated

#### (7.8.2) Emissions in reporting year (metric tons CO2e)

191

#### (7.8.3) Emissions calculation methodology

Select all that apply

Average data method

Asset-specific method

#### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

#### (7.8.5) Please explain

*Floor area and energy type in the asset are combined with CIBSE benchmarks to estimate typical power consumption, which is then combined with IEA or DEFRA factors.*

### Downstream transportation and distribution

### (7.8.1) Evaluation status

Select from:

Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO<sub>2</sub>e)

16257

### (7.8.3) Emissions calculation methodology

Select all that apply

Average data method

Distance-based method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

### (7.8.5) Please explain

*Where location information is available, distance, mode and tonnage are combined with WTT factors (from DEFRA) to calculate emissions. If a location is not known, we estimate emissions based on the average distances by mode expected.*

## Processing of sold products

### (7.8.1) Evaluation status

Select from:

Not relevant, explanation provided

### (7.8.5) Please explain

*Not relevant, not calculated. Under the WBCSD Guidance for Accounting & Reporting Corporate GHG Emissions in the Chemical Sector Value Chain guidance, we do not need to report on this category due to lack of visibility.*

## Use of sold products

### (7.8.1) Evaluation status

Select from:

- Not relevant, explanation provided

### (7.8.5) Please explain

*All our products have at least one of the following characteristics, which makes their in-use emissions non-material: - Do not consume energy during use - Do not emit GHGs during use - If the end product does stimulate CO2 emissions, these are indirect emissions which are out of scope (e.g. forced drying of paints which contain our additive products)*

## End of life treatment of sold products

### (7.8.1) Evaluation status

Select from:

- Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

31698

### (7.8.3) Emissions calculation methodology

Select all that apply

- Supplier-specific method
- Average product method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

### (7.8.5) Please explain

Products mass sold, the estimated end-of-life route, and packaging amount and type purchased are combined with DEFRA factors.

## Downstream leased assets

### (7.8.1) Evaluation status

Select from:

Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

319

### (7.8.3) Emissions calculation methodology

Select all that apply

Average data method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

### (7.8.5) Please explain

Floor area and energy type in the asset are combined with CIBSE benchmarks to estimate typical power consumption, which is then combined with IEA or DEFRA factors.

## Franchises

### (7.8.1) Evaluation status

Select from:

Not relevant, explanation provided

### (7.8.5) Please explain

We do not operate franchises

## Investments

### (7.8.1) Evaluation status

Select from:

Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

95

### (7.8.3) Emissions calculation methodology

Select all that apply

Average data method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

### (7.8.5) Please explain

25% of the floor area and energy type in Alembic company (in which Elementis owns a 25% share) are combined with CIBSE benchmarks to estimate typical power consumption, which is then combined with DEFRA factors.

## Other (upstream)

### (7.8.1) Evaluation status

Select from:

Not relevant, explanation provided

### (7.8.5) Please explain

*We do not expect other upstream emissions*

## **Other (downstream)**

### **(7.8.1) Evaluation status**

*Select from:*

Not relevant, explanation provided

### **(7.8.5) Please explain**

*We do not expect other downstream emissions  
[Fixed row]*

## **(7.8.1) Disclose or restate your Scope 3 emissions data for previous years.**

### **Past year 1**

#### **(7.8.1.1) End date**

12/30/2022

#### **(7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)**

319208

#### **(7.8.1.3) Scope 3: Capital goods (metric tons CO2e)**

22421

#### **(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)**

21321

#### **(7.8.1.5) Scope 3: Upstream transportation and distribution (metric tons CO2e)**

158201

**(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)**

9397

**(7.8.1.7) Scope 3: Business travel (metric tons CO2e)**

4772

**(7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)**

1483

**(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)**

147

**(7.8.1.10) Scope 3: Downstream transportation and distribution (metric tons CO2e)**

11832

**(7.8.1.13) Scope 3: End of life treatment of sold products (metric tons CO2e)**

10159

**(7.8.1.14) Scope 3: Downstream leased assets (metric tons CO2e)**

311

**(7.8.1.15) Scope 3: Franchises (metric tons CO2e)**

0

**(7.8.1.16) Scope 3: Investments (metric tons CO2e)**



**(7.8.1.19) Comment**

*Processing of sold products excluded under WBCSD guidance for the chemicals sector. Use of sold products is not relevant. Franchises are not applicable.  
[Fixed row]*

**(7.9) Indicate the verification/assurance status that applies to your reported emissions.**

	Verification/assurance status
Scope 1	Select from: <input checked="" type="checkbox"/> Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	Select from: <input checked="" type="checkbox"/> Third-party verification or assurance process in place
Scope 3	Select from: <input checked="" type="checkbox"/> Third-party verification or assurance process in place

*[Fixed row]*

**(7.9.1) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.****Row 1****(7.9.1.1) Verification or assurance cycle in place**

Select from:

Annual process

### (7.9.1.2) Status in the current reporting year

Select from:

Complete

### (7.9.1.3) Type of verification or assurance

Select from:

Reasonable assurance

### (7.9.1.4) Attach the statement

*Verification\_Opinion\_TÃœV\_SÃœD-CCF-2023-Elementis\_240311.pdf*

### (7.9.1.5) Page/section reference

1-5

### (7.9.1.6) Relevant standard

Select from:

ISO14064-1

### (7.9.1.7) Proportion of reported emissions verified (%)

100

[Add row]

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

**Row 1**

### (7.9.2.1) Scope 2 approach

Select from:

Scope 2 location-based

### (7.9.2.2) Verification or assurance cycle in place

Select from:

Annual process

### (7.9.2.3) Status in the current reporting year

Select from:

Complete

### (7.9.2.4) Type of verification or assurance

Select from:

Reasonable assurance

### (7.9.2.5) Attach the statement

*Verification\_Opinion\_T&V\_S&D-CCF-2023-Elementis\_240311.pdf*

### (7.9.2.6) Page/ section reference

1-5

### (7.9.2.7) Relevant standard

Select from:

ISO14064-1

### (7.9.2.8) Proportion of reported emissions verified (%)

100

[Add row]

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

**Row 1**

**(7.9.3.1) Scope 3 category**

*Select all that apply*

- Scope 3: Investments
- Scope 3: Capital goods
- Scope 3: Business travel
- Scope 3: Employee commuting
- Scope 3: Upstream leased assets
- Scope 3: Downstream transportation and distribution
- Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2)
- Scope 3: Downstream leased assets
- Scope 3: Purchased goods and services
- Scope 3: Waste generated in operations
- Scope 3: End-of-life treatment of sold products
- Scope 3: Upstream transportation and distribution

**(7.9.3.2) Verification or assurance cycle in place**

*Select from:*

- Annual process

**(7.9.3.3) Status in the current reporting year**

*Select from:*

- Complete

**(7.9.3.4) Type of verification or assurance**

*Select from:*

- Reasonable assurance

**(7.9.3.5) Attach the statement**

### (7.9.3.6) Page/section reference

1-5

### (7.9.3.7) Relevant standard

Select from:

ISO14064-1

### (7.9.3.8) Proportion of reported emissions verified (%)

100

[Add row]

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

### **Change in renewable energy consumption**

#### (7.10.1.1) Change in emissions (metric tons CO2e)

171

#### (7.10.1.2) Direction of change in emissions

Select from:

Increased

#### (7.10.1.3) Emissions value (percentage)

0.3

#### (7.10.1.4) Please explain calculation

*Change of emissions caused by changed renewable and zero emission energy (electricity) purchase contracts in 2023 vs the purchase contracts active in 2022.*

#### Other emissions reduction activities

#### (7.10.1.1) Change in emissions (metric tons CO2e)

799

#### (7.10.1.2) Direction of change in emissions

Select from:

Decreased

#### (7.10.1.3) Emissions value (percentage)

1.2

#### (7.10.1.4) Please explain calculation

*Change in emissions caused by significant changes to equipment or fuel type consumed in 2023 vs that present in 2022.*

#### Divestment

#### (7.10.1.1) Change in emissions (metric tons CO2e)

0

#### (7.10.1.2) Direction of change in emissions

Select from:

No change

#### (7.10.1.3) Emissions value (percentage)

0

#### (7.10.1.4) Please explain calculation

*Not relevant*

### Acquisitions

#### (7.10.1.1) Change in emissions (metric tons CO2e)

0

#### (7.10.1.2) Direction of change in emissions

*Select from:*

No change

#### (7.10.1.3) Emissions value (percentage)

0

#### (7.10.1.4) Please explain calculation

*Not relevant*

### Mergers

#### (7.10.1.1) Change in emissions (metric tons CO2e)

0

#### (7.10.1.2) Direction of change in emissions

*Select from:*

No change

### (7.10.1.3) Emissions value (percentage)

0

### (7.10.1.4) Please explain calculation

*Not relevant*

## Change in output

### (7.10.1.1) Change in emissions (metric tons CO2e)

5075

### (7.10.1.2) Direction of change in emissions

Select from:

Decreased

### (7.10.1.3) Emissions value (percentage)

7.6

### (7.10.1.4) Please explain calculation

*Theoretical change in emissions, all else being equal, when pro-rating emissions to the change in 2023 production volumes vs 2022 production volumes. The calculation assumes no change in product mix or site operating conditions. It is calculated for each individual site and then summed.*

## Change in methodology

### (7.10.1.1) Change in emissions (metric tons CO2e)

0

### (7.10.1.2) Direction of change in emissions



Select from:

No change

**(7.10.1.3) Emissions value (percentage)**

0

**(7.10.1.4) Please explain calculation**

*Not relevant*

**Change in boundary**

**(7.10.1.1) Change in emissions (metric tons CO2e)**

0

**(7.10.1.2) Direction of change in emissions**

Select from:

No change

**(7.10.1.3) Emissions value (percentage)**

0

**(7.10.1.4) Please explain calculation**

*Not relevant*

**Change in physical operating conditions**

**(7.10.1.1) Change in emissions (metric tons CO2e)**

0

### (7.10.1.2) Direction of change in emissions

Select from:

No change

### (7.10.1.3) Emissions value (percentage)

0

### (7.10.1.4) Please explain calculation

Not relevant

## Unidentified

### (7.10.1.1) Change in emissions (metric tons CO2e)

1233

### (7.10.1.2) Direction of change in emissions

Select from:

Increased

### (7.10.1.3) Emissions value (percentage)

1.8

### (7.10.1.4) Please explain calculation

*Difference between 'change in output' theoretical estimate, change in renewable energy consumption and other emission reduction activities. Attributable to changes in grid factors, product mix variations within a site, and smaller emission reduction activities / emission increases not captured in other rows.*

## Other

**(7.10.1.1) Change in emissions (metric tons CO2e)**

0

**(7.10.1.2) Direction of change in emissions**

Select from:

No change

**(7.10.1.3) Emissions value (percentage)**

0

**(7.10.1.4) Please explain calculation**

Not relevant

[Fixed row]

**(7.12.1) Provide the emissions from biogenic carbon relevant to your organization in metric tons CO2.**

	CO2 emissions from biogenic carbon (metric tons CO2)	Comment
	3850	From combustion of biomass fuel.

[Fixed row]

**(7.15.1) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used global warming potential (GWP).**

**Row 1**

### (7.15.1.1) Greenhouse gas

Select from:

CO2

### (7.15.1.2) Scope 1 emissions (metric tons of CO2e)

38972

### (7.15.1.3) GWP Reference

Select from:

IPCC Fifth Assessment Report (AR5 – 100 year)

## Row 2

### (7.15.1.1) Greenhouse gas

Select from:

CH4

### (7.15.1.2) Scope 1 emissions (metric tons of CO2e)

157

### (7.15.1.3) GWP Reference

Select from:

IPCC Fifth Assessment Report (AR5 – 100 year)

## Row 3

### (7.15.1.1) Greenhouse gas

Select from:

N2O

### (7.15.1.2) Scope 1 emissions (metric tons of CO2e)

51

### (7.15.1.3) GWP Reference

Select from:

IPCC Fifth Assessment Report (AR5 – 100 year)

## Row 4

### (7.15.1.1) Greenhouse gas

Select from:

HFCs

### (7.15.1.2) Scope 1 emissions (metric tons of CO2e)

54

### (7.15.1.3) GWP Reference

Select from:

IPCC Fifth Assessment Report (AR5 – 20 year)

## Row 5

### (7.15.1.1) Greenhouse gas

Select from:

PFCs

### (7.15.1.2) Scope 1 emissions (metric tons of CO2e)

0

### (7.15.1.3) GWP Reference

Select from:

IPCC Fifth Assessment Report (AR5 – 100 year)

### Row 6

### (7.15.1.1) Greenhouse gas

Select from:

SF6

### (7.15.1.2) Scope 1 emissions (metric tons of CO2e)

0

### (7.15.1.3) GWP Reference

Select from:

IPCC Fifth Assessment Report (AR5 – 100 year)

### Row 7

### (7.15.1.1) Greenhouse gas

Select from:

NF3

### (7.15.1.2) Scope 1 emissions (metric tons of CO2e)

0

### (7.15.1.3) GWP Reference

Select from:

IPCC Fifth Assessment Report (AR5 – 100 year)

[Add row]

## **(7.16) Break down your total gross global Scope 1 and 2 emissions by country/area.**

### **Brazil**

#### **(7.16.1) Scope 1 emissions (metric tons CO2e)**

51.36

#### **(7.16.2) Scope 2, location-based (metric tons CO2e)**

37.49

#### **(7.16.3) Scope 2, market-based (metric tons CO2e)**

37.49

### **China**

#### **(7.16.1) Scope 1 emissions (metric tons CO2e)**

1854.88

#### **(7.16.2) Scope 2, location-based (metric tons CO2e)**

2987.92

#### **(7.16.3) Scope 2, market-based (metric tons CO2e)**

2987.92

### **Finland**

**(7.16.1) Scope 1 emissions (metric tons CO2e)**

4296.66

**(7.16.2) Scope 2, location-based (metric tons CO2e)**

7828.06

**(7.16.3) Scope 2, market-based (metric tons CO2e)**

0

**Germany**

**(7.16.1) Scope 1 emissions (metric tons CO2e)**

671.18

**(7.16.2) Scope 2, location-based (metric tons CO2e)**

1206.26

**(7.16.3) Scope 2, market-based (metric tons CO2e)**

1813.27

**India**

**(7.16.1) Scope 1 emissions (metric tons CO2e)**

2908.55

**(7.16.2) Scope 2, location-based (metric tons CO2e)**

7063.08



**(7.16.3) Scope 2, market-based (metric tons CO2e)**

7063.08

**Netherlands**

**(7.16.1) Scope 1 emissions (metric tons CO2e)**

1927.43

**(7.16.2) Scope 2, location-based (metric tons CO2e)**

9610.28

**(7.16.3) Scope 2, market-based (metric tons CO2e)**

0

**Taiwan, China**

**(7.16.1) Scope 1 emissions (metric tons CO2e)**

400.14

**(7.16.2) Scope 2, location-based (metric tons CO2e)**

2151.42

**(7.16.3) Scope 2, market-based (metric tons CO2e)**

2151.42

**United Kingdom of Great Britain and Northern Ireland**

**(7.16.1) Scope 1 emissions (metric tons CO2e)**

5349.66

**(7.16.2) Scope 2, location-based (metric tons CO2e)**

1532.48

**(7.16.3) Scope 2, market-based (metric tons CO2e)**

973.38

**United States of America**

**(7.16.1) Scope 1 emissions (metric tons CO2e)**

21746.64

**(7.16.2) Scope 2, location-based (metric tons CO2e)**

12052.93

**(7.16.3) Scope 2, market-based (metric tons CO2e)**

8353

[Fixed row]

**(7.17.1) Break down your total gross global Scope 1 emissions by business division.**

	Business division
Row 1	Personal Care

	<b>Business division</b>
Row 2	<i>Performance Specialties</i>

[Add row]

**(7.17.2) Break down your total gross global Scope 1 emissions by business facility.**

**Row 1**

**(7.17.2.1) Facility**

*Ludwigshafen*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

*554.83*

**(7.17.2.3) Latitude**

*49.477401*

**(7.17.2.4) Longitude**

*8.444745*

**Row 3**

**(7.17.2.1) Facility**

*Anji*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

1200.33

**(7.17.2.3) Latitude**

30.638674

**(7.17.2.4) Longitude**

119.680353

**Row 4**

**(7.17.2.1) Facility**

*SciPark*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

1681.91

**(7.17.2.3) Latitude**

40.28674

**(7.17.2.4) Longitude**

-74.554278

**Row 5**

**(7.17.2.1) Facility**

*St Louis*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

8412.2

**(7.17.2.3) Latitude**

38.623023

**(7.17.2.4) Longitude**

-90.278618

**Row 6**

**(7.17.2.1) Facility**

*Vuonos*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

1066.02

**(7.17.2.3) Latitude**

62.761524

**(7.17.2.4) Longitude**

29.090969

**Row 7**

**(7.17.2.1) Facility**

*Cologne*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

116.34

**(7.17.2.3) Latitude**

50.937531

**(7.17.2.4) Longitude**

6.960278

**Row 8**

**(7.17.2.1) Facility**

*New Martinsville*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

36.53

**(7.17.2.3) Latitude**

39.643136

**(7.17.2.4) Longitude**

-80.86519

**Row 9**

**(7.17.2.1) Facility**

*Hsinchu*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

400.14

**(7.17.2.3) Latitude**

24.813828

**(7.17.2.4) Longitude**

120.967479

**Row 10**

**(7.17.2.1) Facility**

*Katwijk*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

10.53

**(7.17.2.3) Latitude**

52.199251

**(7.17.2.4) Longitude**

4.411413

**Row 11**

**(7.17.2.1) Facility**

*Amsterdam*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

1927.43

**(7.17.2.3) Latitude**

52.367573

**(7.17.2.4) Longitude**

4.904138

**Row 12**

**(7.17.2.1) Facility**

*Songjiang*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

626.06

**(7.17.2.3) Latitude**

31.032243

**(7.17.2.4) Longitude**

121.227747

**Row 13**

**(7.17.2.1) Facility**

*Sotkamo*



**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

3230.64

**(7.17.2.3) Latitude**

64.130654

**(7.17.2.4) Longitude**

28.390497

**Row 14**

**(7.17.2.1) Facility**

*Newberry Springs plant*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

2665.72

**(7.17.2.3) Latitude**

34.82962

**(7.17.2.4) Longitude**

-116.676073

**Row 15**

**(7.17.2.1) Facility**

*Huguenot*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

5463.27

**(7.17.2.3) Latitude**

41.420299

**(7.17.2.4) Longitude**

-74.633547

**Row 16**

**(7.17.2.1) Facility**

*Palmital*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

51.36

**(7.17.2.3) Latitude**

-22.789873

**(7.17.2.4) Longitude**

-50.206705

**Row 17**

**(7.17.2.1) Facility**

*Livingston*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

5349.66

**(7.17.2.3) Latitude**

55.900708

**(7.17.2.4) Longitude**

-3.518068

**Row 19**

**(7.17.2.1) Facility**

*Taloja*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

2908.55

**(7.17.2.3) Latitude**

19.063011

**(7.17.2.4) Longitude**

73.120891

**Row 20**

**(7.17.2.1) Facility**

*Milwaukee*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

371.91

**(7.17.2.3) Latitude**

43.025738

**(7.17.2.4) Longitude**

-87.904536

**Row 22**

**(7.17.2.1) Facility**

*Walkill*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

2309.95

**(7.17.2.3) Latitude**

41.445049

**(7.17.2.4) Longitude**

-74.420021

**Row 23**

**(7.17.2.1) Facility**

*Newberry Springs mine*

### (7.17.2.2) Scope 1 emissions (metric tons CO2e)

805.28

### (7.17.2.3) Latitude

34.82962

### (7.17.2.4) Longitude

-116.676073

[Add row]

### (7.19) Break down your organization's total gross global Scope 1 emissions by sector production activity in metric tons CO2e.

	Gross Scope 1 emissions, metric tons CO2e	Comment
Chemicals production activities	416738	<i>Sites with specialty chemicals output only. Excludes offices and sites doing mineral processing/mining.</i>

[Fixed row]

### (7.20.1) Break down your total gross global Scope 2 emissions by business division.

	<b>Business division</b>
Row 2	<i>Coatings &amp; Personal Care</i>
Row 3	<i>Talc</i>

[Add row]

**(7.20.2) Break down your total gross global Scope 2 emissions by business facility.**

**Row 1**

**(7.20.2.1) Facility**

*Hsinchu*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

2151.42

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

2151.42

**Row 2**

**(7.20.2.1) Facility**

*New Martinsville*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

1581.76

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

1581.76

**Row 3**

**(7.20.2.1) Facility**

*Palmital*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

37.49

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

37.49

**Row 4**

**(7.20.2.1) Facility**

*Huguenot*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

1872.59

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

0

**Row 6**

**(7.20.2.1) Facility**

*Songjiang*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

1370.93

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

1370.93

**Row 7**

**(7.20.2.1) Facility**

*Katwijk*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

138.25

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

0

**Row 8**

**(7.20.2.1) Facility**

*St Louis*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

4749.85

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**



4749.85

**Row 10**

**(7.20.2.1) Facility**

*Eaglescliffe*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

212.12

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

374.05

**Row 11**

**(7.20.2.1) Facility**

*Ludwigshafen*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

1164.95

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

1732.29

**Row 12**

**(7.20.2.1) Facility**

*Amsterdam*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

9610.28

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

0

**Row 13**

**(7.20.2.1) Facility**

*Newberry Springs plant*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

834.44

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

834.44

**Row 14**

**(7.20.2.1) Facility**

*Anji*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

1604.86

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

1604.86

## Row 15

### (7.20.2.1) Facility

*Livingston*

### (7.20.2.2) Scope 2, location-based (metric tons CO2e)

1315.14

### (7.20.2.3) Scope 2, market-based (metric tons CO2e)

590.13

## Row 16

### (7.20.2.1) Facility

*Taloja*

### (7.20.2.2) Scope 2, location-based (metric tons CO2e)

7063.08

### (7.20.2.3) Scope 2, market-based (metric tons CO2e)

7063.08

## Row 17

### (7.20.2.1) Facility

*Cologne*

### (7.20.2.2) Scope 2, location-based (metric tons CO2e)

41.32

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

80.98

**Row 18**

**(7.20.2.1) Facility**

*Sotkamo*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

4623.55

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

0

**Row 19**

**(7.20.2.1) Facility**

*Vuonos*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

3204.51

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

0

**Row 20**

**(7.20.2.1) Facility**

*SciPark*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

1147.53

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

1147.53

**Row 21**

**(7.20.2.1) Facility**

*Milwaukee*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

280.86

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

0

**Row 22**

**(7.20.2.1) Facility**

*Middletown*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

1546.48

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

0

**Row 23**

**(7.20.2.1) Facility**

*London*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

5.22

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

9.2

**Row 24**

**(7.20.2.1) Facility**

*China offices*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

12.13

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

12.13

**Row 25**

**(7.20.2.1) Facility**

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

39.42

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

39.42

[Add row]

**(7.21) Break down your organization’s total gross global Scope 2 emissions by sector production activity in metric tons CO2e.**

	Scope 2, location-based, metric tons CO2e	Scope 2, market-based (if applicable), metric tons CO2e	Comment
Chemicals production activities	24739.41	20881.81	Sites with specialty chemicals output only. Excludes offices and sites doing mineral processing/mining.

[Fixed row]

**(7.22) Break down your gross Scope 1 and Scope 2 emissions between your consolidated accounting group and other entities included in your response.**

**Consolidated accounting group**

**(7.22.1) Scope 1 emissions (metric tons CO2e)**

39217

**(7.22.2) Scope 2, location-based emissions (metric tons CO2e)**

44608

**(7.22.3) Scope 2, market-based emissions (metric tons CO2e)**

23380

**(7.22.4) Please explain**

*All Elementis entities are included in the consolidated accounting group.*

**All other entities**

**(7.22.1) Scope 1 emissions (metric tons CO2e)**

0

**(7.22.2) Scope 2, location-based emissions (metric tons CO2e)**

0

**(7.22.3) Scope 2, market-based emissions (metric tons CO2e)**

0

**(7.22.4) Please explain**

*Our response does not include any other entities.*

*[Fixed row]*

**(7.25) Disclose the percentage of your organization's Scope 3, Category 1 emissions by purchased chemical feedstock.**

**Row 1**

**(7.25.1) Purchased feedstock**



Select from:

Naphtha

### (7.25.2) Percentage of Scope 3, Category 1 tCO2e from purchased feedstock

0.03

### (7.25.3) Explain calculation methodology

*Mass of Naphtha and similar chemicals purchased in 2023, multiplied by the Ecoinvent GWP100 global emission factor.*

## Row 2

### (7.25.1) Purchased feedstock

Select from:

Polymers

### (7.25.2) Percentage of Scope 3, Category 1 tCO2e from purchased feedstock

2.4

### (7.25.3) Explain calculation methodology

*Polyethylene and polyethylene glycol mass purchased multiplied by the relevant Ecoinvent factor*

## Row 3

### (7.25.1) Purchased feedstock

Select from:

Other (please specify) :Aluminium metal

### (7.25.2) Percentage of Scope 3, Category 1 tCO2e from purchased feedstock

24.4

### (7.25.3) Explain calculation methodology

*mass Aluminium metal purchased as feedstock, multiplied by the relevant Ecoinvent GWP100 global emission factor*

#### Row 4

### (7.25.1) Purchased feedstock

Select from:

Specialty chemicals

### (7.25.2) Percentage of Scope 3, Category 1 tCO<sub>2</sub>e from purchased feedstock

72.62

### (7.25.3) Explain calculation methodology

*Mass of remaining inorganic, petrochemical and bio-derived chemicals purchased multiplied by the relevant Ecoinvent GWP100 factor*

#### Row 5

### (7.25.1) Purchased feedstock

Select from:

Adipic acid

### (7.25.2) Percentage of Scope 3, Category 1 tCO<sub>2</sub>e from purchased feedstock

0.55

### (7.25.3) Explain calculation methodology

*Mass of adipic acid purchased in 2023, multiplied by the Ecoinvent GWP100 global emission factor.*

[Add row]

**(7.25.1) Disclose sales of products that are greenhouse gases.**

**Carbon dioxide (CO2)**

**(7.25.1.1) Sales, metric tons**

0

**(7.25.1.2) Comment**

*We do not produce the product listed in the question.*

**Methane (CH4)**

**(7.25.1.1) Sales, metric tons**

0

**(7.25.1.2) Comment**

*We do not produce the product listed in the question.*

**Nitrous oxide (N2O)**

**(7.25.1.1) Sales, metric tons**

0

**(7.25.1.2) Comment**

*We do not produce the product listed in the question.*

**Hydrofluorocarbons (HFC)**

**(7.25.1.1) Sales, metric tons**

0

**(7.25.1.2) Comment**

*We do not produce the product listed in the question.*

**Perfluorocarbons (PFC)**

**(7.25.1.1) Sales, metric tons**

0

**(7.25.1.2) Comment**

*We do not produce the product listed in the question.*

**Sulphur hexafluoride (SF6)**

**(7.25.1.1) Sales, metric tons**

0

**(7.25.1.2) Comment**

*We do not produce the product listed in the question.*

**Nitrogen trifluoride (NF3)**

**(7.25.1.1) Sales, metric tons**

0

**(7.25.1.2) Comment**

We do not produce the product listed in the question.

[Fixed row]

**(7.26) Allocate your emissions to your customers listed below according to the goods or services you have sold them in this reporting period.**

**Row 1**

**(7.26.1) Requesting member**

Select from:

**(7.26.2) Scope of emissions**

Select from:

Scope 1

**(7.26.4) Allocation level**

Select from:

Facility

**(7.26.5) Allocation level detail**

*Each facility involved in producing for NGK has their emissions allocated based on the volume of NGK product they produce. The emissions from each facility is then summed to reach this total.*

**(7.26.6) Allocation method**

Select from:

Allocation based on the volume of products purchased

**(7.26.7) Unit for market value or quantity of goods/services supplied**

Select from:

Metric tons

### (7.26.8) Market value or quantity of goods/services supplied to the requesting member

11113

### (7.26.9) Emissions in metric tonnes of CO2e

407

### (7.26.10) Uncertainty ( $\pm\%$ )

20

### (7.26.11) Major sources of emissions

*Product drying processes*

### (7.26.12) Allocation verified by a third party?

Select from:

No

### (7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

*All our Scope 1 and 2 emissions are known and verified. We have allocated the total emissions from our each site involved in supplying NGK on a mass basis. Uncertainty is estimated because different products do have different emission profiles, depending on the exact processes and time needed to manufacture.*

### (7.26.14) Where published information has been used, please provide a reference

*None, primary data only.*

**Row 2**

### **(7.26.1) Requesting member**

Select from:

### **(7.26.2) Scope of emissions**

Select from:

Scope 2: market-based

### **(7.26.4) Allocation level**

Select from:

Facility

### **(7.26.5) Allocation level detail**

*Each facility involved in producing for NGK has their emissions allocated based on the volume of NGK product they produce. The emissions from each facility is then summed to reach this total.*

### **(7.26.6) Allocation method**

Select from:

Allocation based on the volume of products purchased

### **(7.26.7) Unit for market value or quantity of goods/services supplied**

Select from:

Metric tons

### **(7.26.8) Market value or quantity of goods/services supplied to the requesting member**

11113

### **(7.26.9) Emissions in metric tonnes of CO2e**

0

**(7.26.10) Uncertainty ( $\pm\%$ )**

0

**(7.26.11) Major sources of emissions**

*None*

**(7.26.12) Allocation verified by a third party?**

*Select from:*

No

**(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made**

*No GHG emissions - we use electricity contracts with zero emission GoO's*

**(7.26.14) Where published information has been used, please provide a reference**

*None, primary data only.*

**Row 4**

**(7.26.1) Requesting member**

*Select from:*

**(7.26.2) Scope of emissions**

*Select from:*

Scope 1



#### **(7.26.4) Allocation level**

Select from:

Facility

#### **(7.26.5) Allocation level detail**

*Only one facility supplies Takeda. It's emissions have been allocated based on the volume Takeda purchased.*

#### **(7.26.6) Allocation method**

Select from:

Allocation based on the volume of products purchased

#### **(7.26.7) Unit for market value or quantity of goods/services supplied**

Select from:

Metric tons

#### **(7.26.8) Market value or quantity of goods/services supplied to the requesting member**

1933

#### **(7.26.9) Emissions in metric tonnes of CO<sub>2</sub>e**

141

#### **(7.26.10) Uncertainty (±%)**

20

#### **(7.26.11) Major sources of emissions**

*Product manufacturing processes.*

### (7.26.12) Allocation verified by a third party?

Select from:

No

### (7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

*All our Scope 1 and 2 emissions are known and verified. We have allocated the total emissions from our each site involved in supplying Takeda on a mass basis. Uncertainty is estimated because different products do have different emission profiles, depending on the exact processes and time needed to manufacture.*

### (7.26.14) Where published information has been used, please provide a reference

*None, primary data only.*

## Row 5

### (7.26.1) Requesting member

Select from:

### (7.26.2) Scope of emissions

Select from:

Scope 2: market-based

### (7.26.4) Allocation level

Select from:

Facility

### (7.26.5) Allocation level detail

*Only one facility supplies Takeda. It's emissions have been allocated based on the volume Takeda purchased.*

### **(7.26.6) Allocation method**

Select from:

Allocation based on the volume of products purchased

### **(7.26.7) Unit for market value or quantity of goods/services supplied**

Select from:

Metric tons

### **(7.26.8) Market value or quantity of goods/services supplied to the requesting member**

1933

### **(7.26.9) Emissions in metric tonnes of CO<sub>2</sub>e**

440

### **(7.26.10) Uncertainty (±%)**

20

### **(7.26.11) Major sources of emissions**

*Product manufacturing processes.*

### **(7.26.12) Allocation verified by a third party?**

Select from:

No

### **(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made**

All our Scope 1 and 2 emissions are known and verified. We have allocated the total emissions from our each site involved in supplying Takeda on a mass basis. Uncertainty is estimated because different products do have different emission profiles, depending on the exact processes and time needed to manufacture.

#### (7.26.14) Where published information has been used, please provide a reference

None, primary data only.

### Row 6

#### (7.26.1) Requesting member

Select from:

#### (7.26.2) Scope of emissions

Select from:

Scope 1

#### (7.26.4) Allocation level

Select from:

Facility

#### (7.26.5) Allocation level detail

Each facility involved in producing for BakerHughes has their emissions allocated based on the volume of BakerHughes product they produce. The emissions from each facility is then summed to reach this total.

#### (7.26.6) Allocation method

Select from:

Allocation based on the volume of products purchased

#### (7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

Metric tons

#### (7.26.8) Market value or quantity of goods/services supplied to the requesting member

904

#### (7.26.9) Emissions in metric tonnes of CO2e

586

#### (7.26.10) Uncertainty ( $\pm\%$ )

20

#### (7.26.11) Major sources of emissions

*Product manufacturing processes.*

#### (7.26.12) Allocation verified by a third party?

Select from:

No

#### (7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

*All our Scope 1 and 2 emissions are known and verified. We have allocated the total emissions from our each site involved in supplying BakerHughes on a mass basis. Uncertainty is estimated because different products do have different emission profiles, depending on the exact processes and time needed to manufacture.*

#### (7.26.14) Where published information has been used, please provide a reference

*None, primary data only.*

**Row 7**

### **(7.26.1) Requesting member**

Select from:

### **(7.26.2) Scope of emissions**

Select from:

Scope 2: market-based

### **(7.26.4) Allocation level**

Select from:

Facility

### **(7.26.5) Allocation level detail**

*Each facility involved in producing for BakerHughes has their emissions allocated based on the volume of BakerHughes product they produce. The emissions from each facility is then summed to reach this total.*

### **(7.26.6) Allocation method**

Select from:

Allocation based on the volume of products purchased

### **(7.26.7) Unit for market value or quantity of goods/services supplied**

Select from:

Metric tons

### **(7.26.8) Market value or quantity of goods/services supplied to the requesting member**

904

### **(7.26.9) Emissions in metric tonnes of CO2e**

**(7.26.10) Uncertainty ( $\pm\%$ )**

20

**(7.26.11) Major sources of emissions**

*Product manufacturing processes.*

**(7.26.12) Allocation verified by a third party?**

Select from:

No

**(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made**

*All our Scope 1 and 2 emissions are known and verified. We have allocated the total emissions from our each site involved in supplying BakerHughes on a mass basis. Uncertainty is estimated because different products do have different emission profiles, depending on the exact processes and time needed to manufacture.*

**(7.26.14) Where published information has been used, please provide a reference**

*None, primary data only.*

**Row 8****(7.26.1) Requesting member**

Select from:

**(7.26.2) Scope of emissions**

Select from:

Scope 1

#### **(7.26.4) Allocation level**

Select from:

Facility

#### **(7.26.5) Allocation level detail**

*Only one facility supplies Schlumberger. It's emissions have been allocated based on the volume purchased.*

#### **(7.26.6) Allocation method**

Select from:

Allocation based on the volume of products purchased

#### **(7.26.7) Unit for market value or quantity of goods/services supplied**

Select from:

Metric tons

#### **(7.26.8) Market value or quantity of goods/services supplied to the requesting member**

168

#### **(7.26.9) Emissions in metric tonnes of CO<sub>2</sub>e**

67

#### **(7.26.10) Uncertainty (±%)**

20

#### **(7.26.11) Major sources of emissions**

*Product manufacturing processes.*



### (7.26.12) Allocation verified by a third party?

Select from:

No

### (7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

*All our Scope 1 and 2 emissions are known and verified. We have allocated the total emissions from our each site involved in supplying Schlumberger on a mass basis. Uncertainty is estimated because different products do have different emission profiles, depending on the exact processes and time needed to manufacture.*

### (7.26.14) Where published information has been used, please provide a reference

*None, primary data only.*

## Row 9

### (7.26.1) Requesting member

Select from:

### (7.26.2) Scope of emissions

Select from:

Scope 2: market-based

### (7.26.4) Allocation level

Select from:

Facility

### (7.26.5) Allocation level detail

*Only one facility supplies Schlumberger. It's emissions have been allocated based on the volume purchased.*

### **(7.26.6) Allocation method**

Select from:

- Allocation based on the volume of products purchased

### **(7.26.7) Unit for market value or quantity of goods/services supplied**

Select from:

- Metric tons

### **(7.26.8) Market value or quantity of goods/services supplied to the requesting member**

168

### **(7.26.9) Emissions in metric tonnes of CO<sub>2</sub>e**

7

### **(7.26.10) Uncertainty ( $\pm\%$ )**

20

### **(7.26.11) Major sources of emissions**

*Product manufacturing processes.*

### **(7.26.12) Allocation verified by a third party?**

Select from:

- No

### **(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made**

All our Scope 1 and 2 emissions are known and verified. We have allocated the total emissions from our each site involved in supplying Schlumberger on a mass basis. Uncertainty is estimated because different products do have different emission profiles, depending on the exact processes and time needed to manufacture.

#### (7.26.14) Where published information has been used, please provide a reference

None, primary data only.

### Row 10

#### (7.26.1) Requesting member

Select from:

#### (7.26.2) Scope of emissions

Select from:

Scope 1

#### (7.26.4) Allocation level

Select from:

Facility

#### (7.26.5) Allocation level detail

Each facility involved in producing for Estee Lauder has their emissions allocated based on the volume of Estee Lauder product they produce. The emissions from each facility is then summed to reach this total.

#### (7.26.6) Allocation method

Select from:

Allocation based on the volume of products purchased

#### (7.26.7) Unit for market value or quantity of goods/services supplied

Select from:

Metric tons

#### (7.26.8) Market value or quantity of goods/services supplied to the requesting member

42

#### (7.26.9) Emissions in metric tonnes of CO2e

17

#### (7.26.10) Uncertainty ( $\pm\%$ )

20

#### (7.26.11) Major sources of emissions

*Product manufacturing processes.*

#### (7.26.12) Allocation verified by a third party?

Select from:

No

#### (7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

*All our Scope 1 and 2 emissions are known and verified. We have allocated the total emissions from our each site involved in supplying Estee Lauder on a mass basis. Uncertainty is estimated because different products do have different emission profiles, depending on the exact processes and time needed to manufacture.*

#### (7.26.14) Where published information has been used, please provide a reference

*None, primary data only.*

**Row 11**

### **(7.26.1) Requesting member**

Select from:

### **(7.26.2) Scope of emissions**

Select from:

Scope 2: market-based

### **(7.26.4) Allocation level**

Select from:

Facility

### **(7.26.5) Allocation level detail**

*Each facility involved in producing for Estee Lauder has their emissions allocated based on the volume of Estee Lauder product they produce. The emissions from each facility is then summed to reach this total.*

### **(7.26.6) Allocation method**

Select from:

Allocation based on the volume of products purchased

### **(7.26.7) Unit for market value or quantity of goods/services supplied**

Select from:

Metric tons

### **(7.26.8) Market value or quantity of goods/services supplied to the requesting member**

42

### **(7.26.9) Emissions in metric tonnes of CO2e**

**(7.26.10) Uncertainty ( $\pm\%$ )**

20

**(7.26.11) Major sources of emissions**

*Product manufacturing processes.*

**(7.26.12) Allocation verified by a third party?**

Select from:

No

**(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made**

*All our Scope 1 and 2 emissions are known and verified. We have allocated the total emissions from our each site involved in supplying Estee Lauder on a mass basis. Uncertainty is estimated because different products do have different emission profiles, depending on the exact processes and time needed to manufacture.*

**(7.26.14) Where published information has been used, please provide a reference**

*None, primary data only.*

**Row 12****(7.26.1) Requesting member**

Select from:

**(7.26.2) Scope of emissions**

Select from:

Scope 1

#### **(7.26.4) Allocation level**

Select from:

Facility

#### **(7.26.5) Allocation level detail**

*Each facility involved in producing for L'Oreal has their emissions allocated based on the volume of L'Oreal product they produce. The emissions from each facility is then summed to reach this total.*

#### **(7.26.6) Allocation method**

Select from:

Allocation based on the volume of products purchased

#### **(7.26.7) Unit for market value or quantity of goods/services supplied**

Select from:

Metric tons

#### **(7.26.8) Market value or quantity of goods/services supplied to the requesting member**

823

#### **(7.26.9) Emissions in metric tonnes of CO<sub>2</sub>e**

134

#### **(7.26.10) Uncertainty (±%)**

25

#### **(7.26.11) Major sources of emissions**

*Product manufacturing processes.*

### (7.26.12) Allocation verified by a third party?

Select from:

No

### (7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

*All our Scope 1 and 2 emissions are known and verified. We have allocated the total emissions from our each site involved in supplying L'Oreal on a mass basis. Uncertainty is estimated because different products do have different emission profiles, depending on the exact processes and time needed to manufacture.*

### (7.26.14) Where published information has been used, please provide a reference

*None, primary data only.*

## Row 13

### (7.26.1) Requesting member

Select from:

### (7.26.2) Scope of emissions

Select from:

Scope 2: market-based

### (7.26.4) Allocation level

Select from:

Facility

### (7.26.5) Allocation level detail

*Each facility involved in producing for L'Oreal has their emissions allocated based on the volume of L'Oreal product they produce. The emissions from each facility is then summed to reach this total.*



### **(7.26.6) Allocation method**

Select from:

- Allocation based on the volume of products purchased

### **(7.26.7) Unit for market value or quantity of goods/services supplied**

Select from:

- Metric tons

### **(7.26.8) Market value or quantity of goods/services supplied to the requesting member**

823

### **(7.26.9) Emissions in metric tonnes of CO<sub>2</sub>e**

249

### **(7.26.10) Uncertainty ( $\pm\%$ )**

25

### **(7.26.11) Major sources of emissions**

*Product manufacturing processes.*

### **(7.26.12) Allocation verified by a third party?**

Select from:

- No

### **(7.26.13) Please explain how you have identified the GHG source, including major limitations to this process and assumptions made**

All our Scope 1 and 2 emissions are known and verified. We have allocated the total emissions from our each site involved in supplying L'Oreal on a mass basis. Uncertainty is estimated because different products do have different emission profiles, depending on the exact processes and time needed to manufacture.

#### (7.26.14) Where published information has been used, please provide a reference

None, primary data only.

[Add row]

#### (7.27) What are the challenges in allocating emissions to different customers, and what would help you to overcome these challenges?

##### Row 1

#### (7.27.1) Allocation challenges

Select from:

Diversity of product lines makes accurately accounting for each product/product line cost ineffective

#### (7.27.2) Please explain what would help you overcome these challenges

We are building specific product life-cycle analyses of products. This takes some time, but we are working through strategic products. Specific sites are simpler and can be estimated on a mass allocation basis, however, the range of products our requesting customers buy from use means we can't easily take this approach for their total purchases.

[Add row]

#### (7.28) Do you plan to develop your capabilities to allocate emissions to your customers in the future?

#### (7.28.1) Do you plan to develop your capabilities to allocate emissions to your customers in the future?

Select from:

Yes

## (7.28.2) Describe how you plan to develop your capabilities

We continue to refine our Scope 3 footprint. Our next step is to collect more supplier-specific data. We are also developing product life-cycle analyses so that over time, a specific customer can understand the emissions associated with the specific products they buy from us.

[Fixed row]

## (7.30) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Select from: <input checked="" type="checkbox"/> Yes
Consumption of purchased or acquired electricity	Select from: <input checked="" type="checkbox"/> Yes
Consumption of purchased or acquired heat	Select from: <input checked="" type="checkbox"/> No
Consumption of purchased or acquired steam	Select from: <input checked="" type="checkbox"/> Yes
Consumption of purchased or acquired cooling	Select from: <input checked="" type="checkbox"/> No
Generation of electricity, heat, steam, or cooling	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

## (7.30.1) Report your organization's energy consumption totals (excluding feedstocks) in MWh.

### Consumption of fuel (excluding feedstock)

### (7.30.1.1) Heating value

Select from:

Unable to confirm heating value

### (7.30.1.2) MWh from renewable sources

10781

### (7.30.1.3) MWh from non-renewable sources

208103

### (7.30.1.4) Total (renewable and non-renewable) MWh

218884

## Consumption of purchased or acquired electricity

### (7.30.1.1) Heating value

Select from:

Unable to confirm heating value

### (7.30.1.2) MWh from renewable sources

45951

### (7.30.1.3) MWh from non-renewable sources

141204

### (7.30.1.4) Total (renewable and non-renewable) MWh

187156

## Consumption of purchased or acquired steam

### (7.30.1.1) Heating value

Select from:

Unable to confirm heating value

### (7.30.1.2) MWh from renewable sources

0

### (7.30.1.3) MWh from non-renewable sources

9930

### (7.30.1.4) Total (renewable and non-renewable) MWh

9930

## Consumption of self-generated non-fuel renewable energy

### (7.30.1.1) Heating value

Select from:

Unable to confirm heating value

### (7.30.1.2) MWh from renewable sources

0

### (7.30.1.4) Total (renewable and non-renewable) MWh

0

## Total energy consumption

### (7.30.1.1) Heating value

Select from:

Unable to confirm heating value

### (7.30.1.2) MWh from renewable sources

56732

### (7.30.1.3) MWh from non-renewable sources

359237

### (7.30.1.4) Total (renewable and non-renewable) MWh

415970

[Fixed row]

**(7.30.3) Report your organization's energy consumption totals (excluding feedstocks) for chemical production activities in MWh.**

### **Consumption of fuel (excluding feedstocks)**

### (7.30.3.1) Heating value

Select from:

Unable to confirm heating value

### (7.30.3.2) MWh consumed from renewable sources inside chemical sector boundary

10781

### (7.30.3.3) MWh consumed from non-renewable sources inside chemical sector boundary (excluding recovered waste heat/gases)

159887

**(7.30.3.4) MWh consumed from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary**

0

**(7.30.3.5) Total MWh (renewable + non-renewable + MWh from recovered waste heat/gases) consumed inside chemical sector boundary**

170668

**Consumption of purchased or acquired electricity**

**(7.30.3.1) Heating value**

Select from:

Unable to confirm heating value

**(7.30.3.2) MWh consumed from renewable sources inside chemical sector boundary**

14756

**(7.30.3.3) MWh consumed from non-renewable sources inside chemical sector boundary (excluding recovered waste heat/gases)**

40248

**(7.30.3.4) MWh consumed from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary**

0

**(7.30.3.5) Total MWh (renewable + non-renewable + MWh from recovered waste heat/gases) consumed inside chemical sector boundary**

55004

**Consumption of purchased or acquired steam**

**(7.30.3.1) Heating value**

Select from:

Unable to confirm heating value

**(7.30.3.2) MWh consumed from renewable sources inside chemical sector boundary**

0

**(7.30.3.3) MWh consumed from non-renewable sources inside chemical sector boundary (excluding recovered waste heat/gases)**

9930

**(7.30.3.4) MWh consumed from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary**

0

**(7.30.3.5) Total MWh (renewable + non-renewable + MWh from recovered waste heat/gases) consumed inside chemical sector boundary**

9930

**Consumption of self-generated non-fuel renewable energy**

**(7.30.3.1) Heating value**



Select from:

Unable to confirm heating value

**(7.30.3.2) MWh consumed from renewable sources inside chemical sector boundary**

0

**(7.30.3.5) Total MWh (renewable + non-renewable + MWh from recovered waste heat/gases) consumed inside chemical sector boundary**

0

### **Total energy consumption**

**(7.30.3.1) Heating value**

Select from:

Unable to confirm heating value

**(7.30.3.2) MWh consumed from renewable sources inside chemical sector boundary**

25537

**(7.30.3.3) MWh consumed from non-renewable sources inside chemical sector boundary (excluding recovered waste heat/gases)**

210065

**(7.30.3.4) MWh consumed from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary**

0

**(7.30.3.5) Total MWh (renewable + non-renewable + MWh from recovered waste heat/gases) consumed inside chemical sector boundary**

235602

[Fixed row]

**(7.30.6) Select the applications of your organization's consumption of fuel.**

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	<i>Select from:</i> <input checked="" type="checkbox"/> No
Consumption of fuel for the generation of heat	<i>Select from:</i> <input checked="" type="checkbox"/> Yes
Consumption of fuel for the generation of steam	<i>Select from:</i> <input checked="" type="checkbox"/> Yes
Consumption of fuel for the generation of cooling	<i>Select from:</i> <input checked="" type="checkbox"/> No
Consumption of fuel for co-generation or tri-generation	<i>Select from:</i> <input checked="" type="checkbox"/> No

[Fixed row]

**(7.30.7) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.**

**Sustainable biomass**

**(7.30.7.1) Heating value**

Select from:

Unable to confirm heating value

**(7.30.7.2) Total fuel MWh consumed by the organization**

0

**(7.30.7.4) MWh fuel consumed for self-generation of heat**

0

**(7.30.7.5) MWh fuel consumed for self-generation of steam**

0

**(7.30.7.8) Comment**

None

**Other biomass**

**(7.30.7.1) Heating value**

Select from:

Unable to confirm heating value

**(7.30.7.2) Total fuel MWh consumed by the organization**

10781

**(7.30.7.4) MWh fuel consumed for self-generation of heat**

10781

**(7.30.7.5) MWh fuel consumed for self-generation of steam**

**(7.30.7.8) Comment**

*Biomass is combusted in Anji, China site to generate steam.*

**Other renewable fuels (e.g. renewable hydrogen)**

**(7.30.7.1) Heating value**

Select from:

Unable to confirm heating value

**(7.30.7.2) Total fuel MWh consumed by the organization**

0

**(7.30.7.4) MWh fuel consumed for self-generation of heat**

0

**(7.30.7.5) MWh fuel consumed for self-generation of steam**

0

**(7.30.7.8) Comment**

*none*

**Coal**

**(7.30.7.1) Heating value**

Select from:

Unable to confirm heating value

**(7.30.7.2) Total fuel MWh consumed by the organization**

0

**(7.30.7.4) MWh fuel consumed for self-generation of heat**

0

**(7.30.7.5) MWh fuel consumed for self-generation of steam**

0

**(7.30.7.8) Comment**

*none*

**Oil**

**(7.30.7.1) Heating value**

*Select from:*

Unable to confirm heating value

**(7.30.7.2) Total fuel MWh consumed by the organization**

7033

**(7.30.7.4) MWh fuel consumed for self-generation of heat**

2728

**(7.30.7.5) MWh fuel consumed for self-generation of steam**

1674

**(7.30.7.8) Comment**

Mostly used in vehicles. Hsinchu, Taiwan does use diesel in their steam boiler.

## Gas

### (7.30.7.1) Heating value

Select from:

Unable to confirm heating value

### (7.30.7.2) Total fuel MWh consumed by the organization

201070

### (7.30.7.4) MWh fuel consumed for self-generation of heat

150803

### (7.30.7.5) MWh fuel consumed for self-generation of steam

50268

### (7.30.7.8) Comment

*Estimated 25% of energy is used for steam generation. All our steam generation is used for heating reactor vessels*

## Other non-renewable fuels (e.g. non-renewable hydrogen)

### (7.30.7.1) Heating value

Select from:

Unable to confirm heating value

### (7.30.7.2) Total fuel MWh consumed by the organization

0

**(7.30.7.4) MWh fuel consumed for self-generation of heat**

0

**(7.30.7.5) MWh fuel consumed for self-generation of steam**

0

**(7.30.7.8) Comment**

None

**Total fuel**

**(7.30.7.1) Heating value**

Select from:

Unable to confirm heating value

**(7.30.7.2) Total fuel MWh consumed by the organization**

218884

**(7.30.7.4) MWh fuel consumed for self-generation of heat**

164312

**(7.30.7.5) MWh fuel consumed for self-generation of steam**

62723

**(7.30.7.8) Comment**

None

[Fixed row]

**(7.30.9) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.**

**Electricity**

**(7.30.9.1) Total Gross generation (MWh)**

0

**(7.30.9.2) Generation that is consumed by the organization (MWh)**

0

**(7.30.9.3) Gross generation from renewable sources (MWh)**

0

**(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)**

0

**Cooling**

**(7.30.9.1) Total Gross generation (MWh)**

0

**(7.30.9.2) Generation that is consumed by the organization (MWh)**

0

**(7.30.9.3) Gross generation from renewable sources (MWh)**

0



**(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)**

0

*[Fixed row]*

**(7.30.11) Provide details on electricity, heat, steam, and cooling your organization has generated and consumed for chemical production activities.**

**Electricity**

**(7.30.11.1) Total gross generation inside chemicals sector boundary (MWh)**

0

**(7.30.11.2) Generation that is consumed inside chemicals sector boundary (MWh)**

0

**(7.30.11.3) Generation from renewable sources inside chemical sector boundary (MWh)**

0

**(7.30.11.4) Generation from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary (MWh)**

0

**Cooling**

**(7.30.11.1) Total gross generation inside chemicals sector boundary (MWh)**

0

**(7.30.11.2) Generation that is consumed inside chemicals sector boundary (MWh)**

0

### (7.30.11.3) Generation from renewable sources inside chemical sector boundary (MWh)

0

### (7.30.11.4) Generation from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary (MWh)

0

[Fixed row]

**(7.30.14) Provide details on the electricity, heat, steam, and/or cooling amounts that were accounted for at a zero or near-zero emission factor in the market-based Scope 2 figure reported in 7.7.**

#### Row 1

##### (7.30.14.1) Country/area

Select from:

Finland

##### (7.30.14.2) Sourcing method

Select from:

Default delivered electricity from the grid (e.g. standard product offering by an energy supplier), supported by energy attribute certificates

##### (7.30.14.3) Energy carrier

Select from:

Electricity

##### (7.30.14.4) Low-carbon technology type

Select from:

Nuclear

#### (7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

98590

#### (7.30.14.6) Tracking instrument used

Select from:

GO

#### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

Finland

#### (7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

No

#### (7.30.14.10) Comment

None

### Row 2

#### (7.30.14.1) Country/area

Select from:

Netherlands

#### (7.30.14.2) Sourcing method

Select from:

Default delivered electricity from the grid (e.g. standard product offering by an energy supplier), supported by energy attribute certificates

### (7.30.14.3) Energy carrier

Select from:

Electricity

### (7.30.14.4) Low-carbon technology type

Select from:

Wind

### (7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

31195

### (7.30.14.6) Tracking instrument used

Select from:

GO

### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

Netherlands

### (7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

No

### (7.30.14.10) Comment

None

### Row 3

#### (7.30.14.1) Country/area

Select from:

- United Kingdom of Great Britain and Northern Ireland

#### (7.30.14.2) Sourcing method

Select from:

- Financial (virtual) power purchase agreement (VPPA)

#### (7.30.14.3) Energy carrier

Select from:

- Electricity

#### (7.30.14.4) Low-carbon technology type

Select from:

- Renewable energy mix, please specify :Wind, solar, hydro

#### (7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

4735

#### (7.30.14.6) Tracking instrument used

Select from:

- GO

#### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

- United Kingdom of Great Britain and Northern Ireland

**(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?**

Select from:

No

**(7.30.14.10) Comment**

None

**Row 4**

**(7.30.14.1) Country/area**

Select from:

United States of America

**(7.30.14.2) Sourcing method**

Select from:

Default delivered electricity from the grid (e.g. standard product offering by an energy supplier), supported by energy attribute certificates

**(7.30.14.3) Energy carrier**

Select from:

Electricity

**(7.30.14.4) Low-carbon technology type**

Select from:

Renewable energy mix, please specify :Solar and wind

**(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)**

10021

### (7.30.14.6) Tracking instrument used

Select from:

GEC

### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

United States of America

### (7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

No

### (7.30.14.10) Comment

None

[Add row]

### (7.30.16) Provide a breakdown by country/area of your electricity/heat/steam/cooling consumption in the reporting year.

#### Brazil

#### (7.30.16.1) Consumption of purchased electricity (MWh)

279

#### (7.30.16.2) Consumption of self-generated electricity (MWh)

0

#### (7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

279.00

## **China**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

4877

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

4877.00

## **Finland**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

98590

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**



0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

98590.00

**Germany**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

1812

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

3195

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

5007.00

**India**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

9856

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

9856.00

## **Netherlands**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

31195

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

31195.00

## **Taiwan, China**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

3767

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

3767.00

### **United Kingdom of Great Britain and Northern Ireland**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

7401

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

7401.00

### **United States of America**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

29369

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

6735

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

36104.00  
[Fixed row]

**(7.39) Provide details on your organization's chemical products.**

**Row 1**

**(7.39.1) Output product**

Select from:

Specialty chemicals

**(7.39.2) Production (metric tons)**

93732

**(7.39.4) Direct emissions intensity (metric tons CO2e per metric ton of product)**

0.501

**(7.39.5) Electricity intensity (MWh per metric ton of product)**

0.587

**(7.39.8) Comment**

Steam consumption data not available. We only track the energy we use to produce steam, and the amount of steam we purchase.  
[Add row]

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

**Row 1**

**(7.45.1) Intensity figure**

88

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

62597

**(7.45.3) Metric denominator**

Select from:

unit total revenue

**(7.45.4) Metric denominator: Unit total**

713400000

**(7.45.5) Scope 2 figure used**

Select from:

Market-based

**(7.45.6) % change from previous year**

3

**(7.45.7) Direction of change**

Select from:

Decreased

## (7.45.8) Reasons for change

Select all that apply

- Other emissions reduction activities
- Change in output
- Change in revenue

## (7.45.9) Please explain

*Energy efficiency projects (such as boiler heat recovery in Livingston), emission reduction projects (such as use of LPG in place of heavy fuel oil in Sotkamo) and lower overall business activity resulted in a drop in emissions. While revenue was also lower, pricing and mix effects meant that the drop in emissions was greater than the drop in revenue.*

[Add row]

## (7.52) Provide any additional climate-related metrics relevant to your business.

### Row 1

#### (7.52.1) Description

Select from:

- Other, please specify :Water withdrawal efficiency

#### (7.52.2) Metric value

3.15

#### (7.52.3) Metric numerator

*Water withdrawal (m3)*

#### (7.52.4) Metric denominator (intensity metric only)

*Production (tonnes)*

### (7.52.5) % change from previous year

2.5

### (7.52.6) Direction of change

Select from:

Increased

### (7.52.7) Please explain

*Product mix changes meant that while total volumes decreased and absolute water withdrawal decreased, our intensity increased.*

## Row 2

### (7.52.1) Description

Select from:

Waste

### (7.52.2) Metric value

0.04

### (7.52.3) Metric numerator

*Wastes sent to third parties (tonnes)*

### (7.52.4) Metric denominator (intensity metric only)

*Production (tonnes)*

### (7.52.5) % change from previous year

9.7

### (7.52.6) Direction of change

Select from:

Increased

### (7.52.7) Please explain

*Product mix changes meant that while total volumes decreased and absolute waste generated decreased, our intensity increased.*

### Row 3

### (7.52.1) Description

Select from:

Energy usage

### (7.52.2) Metric value

1.89

### (7.52.3) Metric numerator

*energy from fuels (GJ)*

### (7.52.4) Metric denominator (intensity metric only)

*Production (tonnes)*

### (7.52.5) % change from previous year

3.9

### (7.52.6) Direction of change

Select from:



Increased

### (7.52.7) Please explain

*Product mix changes meant that while total volumes decreased and absolute energy from fuels decreased, our intensity increased.*

*[Add row]*

### (7.53.2) Provide details of your emissions intensity targets and progress made against those targets.

#### Row 1

#### (7.53.2.1) Target reference number

*Select from:*

Int 1

#### (7.53.2.2) Is this a science-based target?

*Select from:*

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

#### (7.53.2.5) Date target was set

03/30/2020

#### (7.53.2.6) Target coverage

*Select from:*

Organization-wide

#### (7.53.2.7) Greenhouse gases covered by target

*Select all that apply*

Methane (CH4)

Nitrogen trifluoride (NF3)

- Nitrous oxide (N2O)
- Carbon dioxide (CO2)
- Perfluorocarbons (PFCs)
- Hydrofluorocarbons (HFCs)

- Sulphur hexafluoride (SF6)

### (7.53.2.8) Scopes

*Select all that apply*

- Scope 1
- Scope 2

### (7.53.2.9) Scope 2 accounting method

*Select from:*

- Market-based

### (7.53.2.11) Intensity metric

*Select from:*

- Metric tons CO2e per metric ton of product

### (7.53.2.12) End date of base year

12/31/2019

### (7.53.2.13) Intensity figure in base year for Scope 1 (metric tons CO2e per unit of activity)

0.097

### (7.53.2.14) Intensity figure in base year for Scope 2 (metric tons CO2e per unit of activity)

0.166

### (7.53.2.33) Intensity figure in base year for all selected Scopes (metric tons CO2e per unit of activity)

0.2630000000

**(7.53.2.34) % of total base year emissions in Scope 1 covered by this Scope 1 intensity figure**

100

**(7.53.2.35) % of total base year emissions in Scope 2 covered by this Scope 2 intensity figure**

100

**(7.53.2.54) % of total base year emissions in all selected Scopes covered by this intensity figure**

100

**(7.53.2.55) End date of target**

12/31/2030

**(7.53.2.56) Targeted reduction from base year (%)**

25

**(7.53.2.57) Intensity figure at end date of target for all selected Scopes (metric tons CO2e per unit of activity)**

0.1972500000

**(7.53.2.60) Intensity figure in reporting year for Scope 1 (metric tons CO2e per unit of activity)**

0.094

**(7.53.2.61) Intensity figure in reporting year for Scope 2 (metric tons CO2e per unit of activity)**

0.056

**(7.53.2.80) Intensity figure in reporting year for all selected Scopes (metric tons CO2e per unit of activity)**

0.1500000000

**(7.53.2.82) % of target achieved relative to base year**

171.86

**(7.53.2.83) Target status in reporting year**

Select from:

Achieved and maintained

**(7.53.2.85) Explain target coverage and identify any exclusions**

*All direct operations, aligned to financial reporting boundary. No exclusions.*

**(7.53.2.86) Target objective**

*Reduce our environmental impacts, lower our emissions intensity, and remain competitive in the market.*

**(7.53.2.88) Target derived using a sectoral decarbonization approach**

Select from:

No

**(7.53.2.89) List the emissions reduction initiatives which contributed most to achieving this target**

*Zero emission electricity purchases. Energy efficiency projects Fuel switching projects*  
*[Add row]*

**(7.54.2) Provide details of any other climate-related targets, including methane reduction targets.**

**Row 1**

**(7.54.2.1) Target reference number**

Select from:

Oth 1

#### (7.54.2.2) Date target was set

03/30/2020

#### (7.54.2.3) Target coverage

Select from:

Organization-wide

#### (7.54.2.4) Target type: absolute or intensity

Select from:

Intensity

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

**Energy consumption or efficiency**

GJ

#### (7.54.2.6) Target denominator (intensity targets only)

Select from:

metric ton of product

#### (7.54.2.7) End date of base year

12/31/2019

#### (7.54.2.8) Figure or percentage in base year

1.9

#### (7.54.2.9) End date of target

12/31/2030

#### (7.54.2.10) Figure or percentage at end of date of target

1.52

#### (7.54.2.11) Figure or percentage in reporting year

1.89

#### (7.54.2.12) % of target achieved relative to base year

2.6315789474

#### (7.54.2.13) Target status in reporting year

Select from:

Underway

#### (7.54.2.15) Is this target part of an emissions target?

*Not directly, but lowering our reliance on energy from fuels clearly supports our reduction target in Scope 1 emissions and will be important to the achievement of our science-based target when verified in 2024.*

#### (7.54.2.16) Is this target part of an overarching initiative?

Select all that apply

No, it's not part of an overarching initiative

#### (7.54.2.18) Please explain target coverage and identify any exclusions

*All direct operations, aligned to financial reporting boundary. No exclusions.*

#### (7.54.2.19) Target objective

*Reduce our environmental impacts, lower our emissions intensity, and remain competitive in the market.*

### **(7.54.2.20) Plan for achieving target, and progress made to the end of the reporting year**

*Continued focus on energy efficiency. Selected fuel switching projects, especially electrification.*

### **Row 3**

#### **(7.54.2.1) Target reference number**

Select from:

Oth 2

#### **(7.54.2.2) Date target was set**

03/30/2020

#### **(7.54.2.3) Target coverage**

Select from:

Organization-wide

#### **(7.54.2.4) Target type: absolute or intensity**

Select from:

Intensity

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

##### **Waste management**

metric tons of waste generated

#### **(7.54.2.6) Target denominator (intensity targets only)**

Select from:

metric ton of product

**(7.54.2.7) End date of base year**

12/31/2019

**(7.54.2.8) Figure or percentage in base year**

0.035

**(7.54.2.9) End date of target**

12/31/2030

**(7.54.2.10) Figure or percentage at end of date of target**

0.032

**(7.54.2.11) Figure or percentage in reporting year**

0.037

**(7.54.2.12) % of target achieved relative to base year**

-66.6666666667

**(7.54.2.13) Target status in reporting year**

Select from:

Underway

**(7.54.2.15) Is this target part of an emissions target?**

*Not directly. It will support our reduction of Scope 3 emissions (waste generated category) and achievement of our science-based target when verified in 2024.*



### (7.54.2.16) Is this target part of an overarching initiative?

Select all that apply

No, it's not part of an overarching initiative

### (7.54.2.18) Please explain target coverage and identify any exclusions

All direct operations, aligned to financial reporting boundary. No exclusions.

### (7.54.2.19) Target objective

Reduce our environmental impacts, lower our emissions intensity, and remain competitive in the market.

### (7.54.2.20) Plan for achieving target, and progress made to the end of the reporting year

Continued focus on material efficiencies. Look for opportunities reclassify some wastes as useful products for sale.

[Add row]

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

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation	32	`Numeric input
To be implemented	15	11958
Implementation commenced	1	3052
Implemented	16	2562
Not to be implemented	0	`Numeric input

[Fixed row]

**(7.55.2) Provide details on the initiatives implemented in the reporting year in the table below.**

**Row 1**

**(7.55.2.1) Initiative category & Initiative type**

**Energy efficiency in production processes**

Compressed air

**(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)**

117

**(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur**

*Select all that apply*

Scope 2 (location-based)

Scope 2 (market-based)

**(7.55.2.4) Voluntary/Mandatory**

*Select from:*

Voluntary

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

130000

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

5800

### (7.55.2.7) Payback period

Select from:

<1 year

### (7.55.2.8) Estimated lifetime of the initiative

Select from:

1-2 years

### (7.55.2.9) Comment

*Compressed air leaks were fixed in Livingston and Songjiang. Continuous focus needed to keep low leak levels.*

## Row 2

### (7.55.2.1) Initiative category & Initiative type

**Energy efficiency in production processes**

Fuel switch

### (7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

1293

### (7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

Scope 1

### (7.55.2.4) Voluntary/Mandatory

Select from:

Voluntary

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

280000

#### (7.55.2.8) Estimated lifetime of the initiative

Select from:

6-10 years

#### (7.55.2.9) Comment

*Sotkamo switched a heavy fuel oil process to run on LPG.*

### Row 3

#### (7.55.2.1) Initiative category & Initiative type

**Energy efficiency in production processes**

Waste heat recovery

#### (7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

58

#### (7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

Scope 1

#### (7.55.2.4) Voluntary/Mandatory

Select from:

Voluntary

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

40000

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

18900

### (7.55.2.7) Payback period

Select from:

1-3 years

### (7.55.2.8) Estimated lifetime of the initiative

Select from:

<1 year

### (7.55.2.9) Comment

*Livingston recovered waste heat from their compressors to pre-heat a boiler feed.*

*[Add row]*

## (7.55.3) What methods do you use to drive investment in emissions reduction activities?

### Row 1

#### (7.55.3.1) Method

Select from:

Dedicated budget for energy efficiency

#### (7.55.3.2) Comment

*We have identified a number of engineering projects that improve energy efficiency, and these are allocated a CAPEX budget based on impact and returns.*

### **Row 3**

#### **(7.55.3.1) Method**

*Select from:*

- Internal incentives/recognition programs

#### **(7.55.3.2) Comment**

*Elementis has employee incentive schemes to encourage plant operating cost reductions including through energy conservation and efficiency improvements.*

### **Row 4**

#### **(7.55.3.1) Method**

*Select from:*

- Compliance with regulatory requirements/standards

#### **(7.55.3.2) Comment**

*We monitor upcoming regulations on climate for the areas that we work and invest to ensure we are compliant. We are compliant with energy efficiency programs mandated by government (such as Energy Efficiency Directive 2012/27 in our EU sites and ESOS in the UK and  
[Add row]*

## C8. Environmental performance - Forests

### (8.1) Are there any exclusions from your disclosure of forests-related data?

	Exclusion from disclosure
Timber products	<i>Select from:</i> <input checked="" type="checkbox"/> No
Palm oil	<i>Select from:</i> <input checked="" type="checkbox"/> No
Cattle products	<i>Select from:</i> <input checked="" type="checkbox"/> No
Soy	<i>Select from:</i> <input checked="" type="checkbox"/> No
Cocoa	<i>Select from:</i> <input checked="" type="checkbox"/> No

[Fixed row]

### (8.2) Provide a breakdown of your disclosure volume per commodity.

	Disclosure volume (metric tons)	Volume type	Sourced volume (metric tons)
Timber products	0	Select all that apply <input checked="" type="checkbox"/> Sourced	0
Palm oil	1976	Select all that apply <input checked="" type="checkbox"/> Sourced	1976
Cattle products	6833	Select all that apply <input checked="" type="checkbox"/> Sourced	6833
Soy	27	Select all that apply <input checked="" type="checkbox"/> Sourced	27
Cocoa	18	Select all that apply <input checked="" type="checkbox"/> Sourced	18

[Fixed row]

## (8.5) Provide details on the origins of your sourced volumes.

### Timber products

#### (8.5.1) Country/area of origin

Select from:

Unknown origin

#### (8.5.4) Volume sourced from country/area of origin (metric tons)

0

#### (8.5.5) Source



Select all that apply

Contracted suppliers (manufacturers)

### (8.5.7) Please explain

*We are unable to quantify the mass of packaging that we source across all our operating sites, but we are working to improve our data. We source packaging (wooden pallets, paper bags, cartons) for our global locations from suppliers in the same geographical area as the sourcing plant. Our business partner code of conduct sets out the expectation that suppliers whose operations have an impact on nature in their local environment to protect and restore nature, biodiversity and the resilience of natural ecosystems, including (but not limited to) ensuring zero illegal deforestation, zero deforestation in high risk areas and no expansion on peatland.*

## Palm oil

### (8.5.1) Country/area of origin

Select from:

Unknown origin

### (8.5.4) Volume sourced from country/area of origin (metric tons)

1976

### (8.5.5) Source

Select all that apply

Contracted suppliers (manufacturers)

### (8.5.7) Please explain

*We buy chemically modified derivatives of palm oil extracts from other chemicals companies. Our main purchasing sites are in UK and China. Our sourcing is RSPO certified with the Mass-Balance method. However, the complexity of these extended supply chains means we are unable to trace the many supply tiers back to the country of origin of the palm oil itself. Our business partner code of conduct sets out the expectation that suppliers whose operations have an impact on nature in their local environment to protect and restore nature, biodiversity and the resilience of natural ecosystems, including (but not limited to) ensuring zero illegal deforestation, zero deforestation in high risk areas and no expansion on peatland.*

## Cattle products

### (8.5.1) Country/area of origin

Select from:

Unknown origin

### (8.5.4) Volume sourced from country/area of origin (metric tons)

6833

### (8.5.5) Source

Select all that apply

Contracted suppliers (manufacturers)

### (8.5.7) Please explain

*We buy chemically modified derivatives of tallow from other chemicals companies. The complexity of these extended supply chains means we are unable to trace the many supply tiers back to the country of origin of the tallow itself. Our main purchasing sites are in UK, USA and China. Our business partner code of conduct sets out the expectation that suppliers whose operations have an impact on nature in their local environment to protect and restore nature, biodiversity and the resilience of natural ecosystems, including (but not limited to) ensuring zero illegal deforestation, zero deforestation in high risk areas and no expansion on peatland.*

## Soy

### (8.5.1) Country/area of origin

Select from:

Unknown origin

### (8.5.4) Volume sourced from country/area of origin (metric tons)

27

### (8.5.5) Source

Select all that apply

Contracted suppliers (manufacturers)

### (8.5.7) Please explain

*We buy a small quantity of chemically modified derivatives of soy from other chemicals companies. The complexity of these extended supply chains means we are unable to trace the many supply tiers back to the country of origin of the soy itself. Our business partner code of conduct sets out the expectation that suppliers whose operations have an impact on nature in their local environment to protect and restore nature, biodiversity and the resilience of natural ecosystems, including (but not limited to) ensuring zero illegal deforestation, zero deforestation in high risk areas and no expansion on peatland.*

## Cocoa

### (8.5.1) Country/area of origin

Select from:

Unknown origin

### (8.5.4) Volume sourced from country/area of origin (metric tons)

18

### (8.5.5) Source

Select all that apply

Contracted suppliers (manufacturers)

### (8.5.7) Please explain

*We buy small quantity of cocoa butter from a manufacturer. Our business partner code of conduct sets out the expectation that suppliers whose operations have an impact on nature in their local environment to protect and restore nature, biodiversity and the resilience of natural ecosystems, including (but not limited to) ensuring zero illegal deforestation, zero deforestation in high risk areas and no expansion on peatland.*

[Add row]

**(8.7) Did your organization have a no-deforestation or no-conversion target, or any other targets for sustainable production/ sourcing of your disclosed commodities, active in the reporting year?**

## Timber products

### (8.7.1) Active no-deforestation or no-conversion target

Select from:

No, and we do not plan to have a no-deforestation or no-conversion target in the next two years

### (8.7.3) Primary reason for not having an active no-deforestation or no-conversion target in the reporting year

Select from:

Not an immediate strategic priority

### (8.7.4) Explain why you did not have an active no-deforestation or no-conversion target in the reporting year

*We are unable to measure the starting point. As it is not a strategic priority, we do not expect this to change in the next two years.*

### (8.7.5) Other active targets related to this commodity, including any which contribute to your no-deforestation or no-conversion target

Select from:

No, and we do not plan to have other targets related to this commodity in the next two years

### (8.7.6) Primary reason for not having other active targets in the reporting year

Select from:

Not an immediate strategic priority

### (8.7.7) Explain why you did not have other active targets in the reporting year

*Packaging is not the key strategic element of our business.*

## Palm oil

### (8.7.1) Active no-deforestation or no-conversion target

Select from:

No, and we do not plan to have a no-deforestation or no-conversion target in the next two years

### **(8.7.3) Primary reason for not having an active no-deforestation or no-conversion target in the reporting year**

Select from:

Not an immediate strategic priority

### **(8.7.4) Explain why you did not have an active no-deforestation or no-conversion target in the reporting year**

*We are unable to measure the starting point. As it is not a strategic priority, we do not expect this to change in the next two years.*

### **(8.7.5) Other active targets related to this commodity, including any which contribute to your no-deforestation or no-conversion target**

Select from:

No, and we do not plan to have other targets related to this commodity in the next two years

### **(8.7.6) Primary reason for not having other active targets in the reporting year**

Select from:

Not an immediate strategic priority

### **(8.7.7) Explain why you did not have other active targets in the reporting year**

*We already source 100% RSPO MB certified material. We are unable to increase traceability from our supply chain position and so we are focussed on other areas of higher impact to our business.*

## **Cattle products**

### **(8.7.1) Active no-deforestation or no-conversion target**

Select from:

No, and we do not plan to have a no-deforestation or no-conversion target in the next two years

### **(8.7.3) Primary reason for not having an active no-deforestation or no-conversion target in the reporting year**

Select from:

- Not an immediate strategic priority

### **(8.7.4) Explain why you did not have an active no-deforestation or no-conversion target in the reporting year**

*We are unable to measure the starting point. As it is not a strategic priority, we do not expect this to change in the next two years.*

### **(8.7.5) Other active targets related to this commodity, including any which contribute to your no-deforestation or no-conversion target**

Select from:

- No, and we do not plan to have other targets related to this commodity in the next two years

### **(8.7.6) Primary reason for not having other active targets in the reporting year**

Select from:

- Not an immediate strategic priority

### **(8.7.7) Explain why you did not have other active targets in the reporting year**

*Tallow is a waste by-product, and so we are focussed on other areas of higher impact to our business.*

## **Soy**

### **(8.7.1) Active no-deforestation or no-conversion target**

Select from:

- No, and we do not plan to have a no-deforestation or no-conversion target in the next two years

### **(8.7.3) Primary reason for not having an active no-deforestation or no-conversion target in the reporting year**

Select from:

- Not an immediate strategic priority

#### **(8.7.4) Explain why you did not have an active no-deforestation or no-conversion target in the reporting year**

*We are unable to measure the starting point. As it is not a strategic priority, we do not expect this to change in the next two years.*

#### **(8.7.5) Other active targets related to this commodity, including any which contribute to your no-deforestation or no-conversion target**

*Select from:*

No, and we do not plan to have other targets related to this commodity in the next two years

#### **(8.7.6) Primary reason for not having other active targets in the reporting year**

*Select from:*

Not an immediate strategic priority

#### **(8.7.7) Explain why you did not have other active targets in the reporting year**

*Our purchase is too small so we are focussed on other areas of higher impact to our business.*

### **Cocoa**

#### **(8.7.1) Active no-deforestation or no-conversion target**

*Select from:*

No, and we do not plan to have a no-deforestation or no-conversion target in the next two years

#### **(8.7.3) Primary reason for not having an active no-deforestation or no-conversion target in the reporting year**

*Select from:*

Not an immediate strategic priority

#### **(8.7.4) Explain why you did not have an active no-deforestation or no-conversion target in the reporting year**

*We are unable to measure the starting point. As it is not a strategic priority, we do not expect this to change in the next two years.*

### **(8.7.5) Other active targets related to this commodity, including any which contribute to your no-deforestation or no-conversion target**

Select from:

No, and we do not plan to have other targets related to this commodity in the next two years

### **(8.7.6) Primary reason for not having other active targets in the reporting year**

Select from:

Not an immediate strategic priority

### **(8.7.7) Explain why you did not have other active targets in the reporting year**

*Our purchase is too small so we are focussed on other areas of higher impact to our business.  
[Fixed row]*

### **(8.8) Indicate if your organization has a traceability system to determine the origins of your sourced volumes and provide details of the methods and tools used.**

#### **Timber products**

### **(8.8.1) Traceability system**

Select from:

No, and we do not plan to establish one within the next two years

### **(8.8.4) Primary reason your organization does not have a traceability system**

Select from:

Not an immediate strategic priority

### **(8.8.5) Explain why your organization does not have a traceability system**



*Timber products are sometimes used in our packaging materials (wooden pallets, paper bags) and are not a priority to introduce traceability for.*

## **Palm oil**

### **(8.8.1) Traceability system**

*Select from:*

No, and we do not plan to establish one within the next two years

### **(8.8.4) Primary reason your organization does not have a traceability system**

*Select from:*

Not an immediate strategic priority

### **(8.8.5) Explain why your organization does not have a traceability system**

*We purchase palm derivative chemicals with highly complex supply chains. We know that our Tier 1 suppliers are unable to trace their materials today.*

## **Cattle products**

### **(8.8.1) Traceability system**

*Select from:*

No, and we do not plan to establish one within the next two years

### **(8.8.4) Primary reason your organization does not have a traceability system**

*Select from:*

Not an immediate strategic priority

### **(8.8.5) Explain why your organization does not have a traceability system**

*We purchase chemicals derived from animal (usually cattle) tallow. Tallow is a waste product from the cattle industry and is therefore not a driver of traceability in that industry.*

## Soy

### (8.8.1) Traceability system

Select from:

No, and we do not plan to establish one within the next two years

### (8.8.4) Primary reason your organization does not have a traceability system

Select from:

Not an immediate strategic priority

### (8.8.5) Explain why your organization does not have a traceability system

*We purchase very low quantities of soy-derived chemicals.*

## Cocoa

### (8.8.1) Traceability system

Select from:

No, and we do not plan to establish one within the next two years

### (8.8.4) Primary reason your organization does not have a traceability system

Select from:

Not an immediate strategic priority

### (8.8.5) Explain why your organization does not have a traceability system

*We purchase very low quantities of cocoa-derived materials.*

*[Fixed row]*

**(8.9) Provide details of your organization's assessment of the deforestation-free (DF) or deforestation- and conversion-free (DCF) status of its disclosed commodities.**

**Timber products**

**(8.9.1) DF/DCF status assessed for this commodity**

Select from:

- No, and we do not plan to do so within the next two years

**(8.9.6) Is a proportion of your disclosure volume certified through a scheme not providing full DF/DCF assurance?**

Select from:

- No

**(8.9.7) Primary reason for not assessing DF/DCF status**

Select from:

- Not an immediate strategic priority

**(8.9.8) Explain why you have not assessed DF/DCF status**

*Our supplier code of conduct specifies that material must be deforestation free. Used for shipping our products (e.g. wooden pallets and paper bags).*

**Palm oil**

**(8.9.1) DF/DCF status assessed for this commodity**

Select from:

- No, and we do not plan to do so within the next two years

**(8.9.6) Is a proportion of your disclosure volume certified through a scheme not providing full DF/DCF assurance?**

Select from:

Yes

### (8.9.7) Primary reason for not assessing DF/DCF status

Select from:

Not an immediate strategic priority

### (8.9.8) Explain why you have not assessed DF/DCF status

*Our supplier code of conduct specifies that material must be deforestation free. We do purchase only RSPO mass-balance certified materials.*

## Cattle products

### (8.9.1) DF/DCF status assessed for this commodity

Select from:

No, and we do not plan to do so within the next two years

### (8.9.6) Is a proportion of your disclosure volume certified through a scheme not providing full DF/DCF assurance?

Select from:

No

### (8.9.7) Primary reason for not assessing DF/DCF status

Select from:

Not an immediate strategic priority

### (8.9.8) Explain why you have not assessed DF/DCF status

*Our supplier code of conduct specifies that material must be deforestation free. We buy tallow-derived chemicals. Tallow a waste product from the cattle industry.*

## Soy

### (8.9.1) DF/DCF status assessed for this commodity

Select from:

No, and we do not plan to do so within the next two years

### (8.9.6) Is a proportion of your disclosure volume certified through a scheme not providing full DF/DCF assurance?

Select from:

No

### (8.9.7) Primary reason for not assessing DF/DCF status

Select from:

Not an immediate strategic priority

### (8.9.8) Explain why you have not assessed DF/DCF status

*Our supplier code of conduct specifies that material must be deforestation free.*

## Cocoa

### (8.9.1) DF/DCF status assessed for this commodity

Select from:

No, and we do not plan to do so within the next two years

### (8.9.6) Is a proportion of your disclosure volume certified through a scheme not providing full DF/DCF assurance?

Select from:

No

### (8.9.7) Primary reason for not assessing DF/DCF status

Select from:

Not an immediate strategic priority

### (8.9.8) Explain why you have not assessed DF/DCF status

*Our supplier code of conduct specifies that material must be deforestation free.*

*[Fixed row]*

## **(8.9.2) Provide details of third-party certification schemes not providing full DF/DCF assurance.**

### **Palm oil**

#### **(8.9.2.1) Third-party certification scheme not providing full DF/DCF assurance**

##### **Chain-of-custody certification**

Other chain-of-custody certification, please specify

#### **(8.9.2.2) % of disclosure volume certified through scheme not providing full DF/DCF assurance**

99

#### **(8.9.2.3) Additional control methods in place to determine DF/DCF status of volumes certified through scheme not providing full DF/DCF assurance**

*Select all that apply*

No

#### **(8.9.2.4) Comment**

*RSPO Mass balance*

#### **(8.9.2.5) Certification documentation**

*Elementis\_Specialties\_\_Inc.\_-\_RSPO\_2022-01.pdf*

*[Add row]*

**(8.10) Indicate whether you have monitored or estimated the deforestation and conversion of other natural ecosystems footprint for your disclosed commodities.**

	Monitoring or estimating your deforestation and conversion footprint	Primary reason for not monitoring or estimating deforestation and conversion footprint	Explain why you do not monitor or estimate your deforestation and conversion footprint
Timber products	<p>Select from:</p> <p><input checked="" type="checkbox"/> No, and we do not plan to monitor or estimate our deforestation and conversion footprint in the next two years</p>	<p>Select from:</p> <p><input checked="" type="checkbox"/> Not an immediate strategic priority</p>	<p><i>Timber products are use in packaging our products for shipment (pallets, paper bags).</i></p>
Palm oil	<p>Select from:</p> <p><input checked="" type="checkbox"/> No, and we do not plan to monitor or estimate our deforestation and conversion footprint in the next two years</p>	<p>Select from:</p> <p><input checked="" type="checkbox"/> Not an immediate strategic priority</p>	<p><i>A lack of supply chain traceability and low volume purchased by us relative to the main buyers of palm products.</i></p>
Cattle products	<p>Select from:</p> <p><input checked="" type="checkbox"/> No, and we do not plan to monitor or estimate our deforestation and conversion footprint in the next two years</p>	<p>Select from:</p> <p><input checked="" type="checkbox"/> Not an immediate strategic priority</p>	<p><i>We purchase tallow derived chemicals which are a waste product of the cattle industry.</i></p>
Soy	<p>Select from:</p> <p><input checked="" type="checkbox"/> No, and we do not plan to monitor or estimate our deforestation and conversion footprint in the next two years</p>	<p>Select from:</p> <p><input checked="" type="checkbox"/> Not an immediate strategic priority</p>	<p><i>very small volume purchased</i></p>
Cocoa	<p>Select from:</p> <p><input checked="" type="checkbox"/> No, and we do not plan to monitor or estimate our deforestation and conversion footprint in the next two years</p>	<p>Select from:</p> <p><input checked="" type="checkbox"/> Not an immediate strategic priority</p>	<p><i>very small volume purchased.</i></p>

[Fixed row]

**(8.11) For volumes not assessed and determined as deforestation- and conversion-free (DCF), indicate if you have taken actions in the reporting year to increase production or sourcing of DCF volumes.**

	Actions taken to increase production or sourcing of DCF volumes
Timber products	<i>Select from:</i> <input checked="" type="checkbox"/> Yes
Palm oil	<i>Select from:</i> <input checked="" type="checkbox"/> Yes
Cattle products	<i>Select from:</i> <input checked="" type="checkbox"/> Yes
Soy	<i>Select from:</i> <input checked="" type="checkbox"/> Yes
Cocoa	<i>Select from:</i> <input checked="" type="checkbox"/> Yes

[Fixed row]

**(8.11.1) Provide details of actions taken in the reporting year to assess and increase production/sourcing of deforestation- and conversion-free (DCF) volumes.**

### Timber products

#### (8.11.1.1) Action type

*Select from:*

Increasing supplier control systems



**(8.11.1.2) % of disclosure volume that is covered by this action**

100

**(8.11.1.3) Indicate whether you had any major barriers or challenges related to this action in the reporting year**

Select from:

No

**(8.11.1.4) Main measures identified to manage or resolve the challenges**

Select all that apply

Greater supplier awareness/engagement

**(8.11.1.5) Provide further details on the actions taken, their contribution to achieving DCF status, and any related barriers or challenges**

*We introduced a requirement for no deforestation into our Supplier Code of Conduct and standard terms & conditions.*

**Palm oil**

**(8.11.1.1) Action type**

Select from:

Increasing supplier control systems

**(8.11.1.2) % of disclosure volume that is covered by this action**

100

**(8.11.1.3) Indicate whether you had any major barriers or challenges related to this action in the reporting year**

Select from:

No

#### (8.11.1.4) Main measures identified to manage or resolve the challenges

Select all that apply

- Greater supplier awareness/engagement

#### (8.11.1.5) Provide further details on the actions taken, their contribution to achieving DCF status, and any related barriers or challenges

We introduced a requirement for no deforestation into our Supplier Code of Conduct and standard terms & conditions.

### Cattle products

#### (8.11.1.1) Action type

Select from:

- Increasing supplier control systems

#### (8.11.1.2) % of disclosure volume that is covered by this action

100

#### (8.11.1.3) Indicate whether you had any major barriers or challenges related to this action in the reporting year

Select from:

- No

#### (8.11.1.4) Main measures identified to manage or resolve the challenges

Select all that apply

- Greater supplier awareness/engagement

#### (8.11.1.5) Provide further details on the actions taken, their contribution to achieving DCF status, and any related barriers or challenges

*We introduced a requirement for no deforestation into our Supplier Code of Conduct and standard terms & conditions.*

## **Soy**

### **(8.11.1.1) Action type**

*Select from:*

- Increasing supplier control systems

### **(8.11.1.2) % of disclosure volume that is covered by this action**

100

### **(8.11.1.3) Indicate whether you had any major barriers or challenges related to this action in the reporting year**

*Select from:*

- No

### **(8.11.1.4) Main measures identified to manage or resolve the challenges**

*Select all that apply*

- Greater supplier awareness/engagement

### **(8.11.1.5) Provide further details on the actions taken, their contribution to achieving DCF status, and any related barriers or challenges**

*We introduced a requirement for no deforestation into our Supplier Code of Conduct and standard terms & conditions.*

## **Cocoa**

### **(8.11.1.1) Action type**

*Select from:*

- Increasing supplier control systems

### (8.11.1.2) % of disclosure volume that is covered by this action

100

### (8.11.1.3) Indicate whether you had any major barriers or challenges related to this action in the reporting year

Select from:

No

### (8.11.1.4) Main measures identified to manage or resolve the challenges

Select all that apply

Greater supplier awareness/engagement

### (8.11.1.5) Provide further details on the actions taken, their contribution to achieving DCF status, and any related barriers or challenges

*We introduced a requirement for no deforestation into our Supplier Code of Conduct and standard terms & conditions.*

*[Add row]*

## (8.12) Indicate if certification details are available for the commodity volumes sold to requesting CDP Supply Chain members.

### Timber products

### (8.12.1) Third-party certification scheme adopted

Select from:

No, and we do not plan to adopt third-party certification within the next two years

### (8.12.5) Primary reason that third-party certification has not been adopted

Select from:

Not an immediate strategic priority

### (8.12.6) Explain why third-party certification has not been adopted

*Timber products are sometimes used in our packaging (wooden pallets and paper bags). Some of these materials are certified but comprehensive certification is not a priority.*

## Palm oil

### (8.12.1) Third-party certification scheme adopted

Select from:

Yes

### (8.12.2) Certification details are available for the volumes sold to any requesting CDP Supply Chain members

Select from:

Yes

## Cattle products

### (8.12.1) Third-party certification scheme adopted

Select from:

No, and we do not plan to adopt third-party certification within the next two years

### (8.12.5) Primary reason that third-party certification has not been adopted

Select from:

Not an immediate strategic priority

### (8.12.6) Explain why third-party certification has not been adopted

*We are not aware of a certification for Tallow-derived chemicals as it is a waste product from the cattle industry.*

## Soy

### (8.12.1) Third-party certification scheme adopted

Select from:

No, and we do not plan to adopt third-party certification within the next two years

### (8.12.5) Primary reason that third-party certification has not been adopted

Select from:

Not an immediate strategic priority

### (8.12.6) Explain why third-party certification has not been adopted

*Our purchased volumes are too low*

## Cocoa

### (8.12.1) Third-party certification scheme adopted

Select from:

No, and we do not plan to adopt third-party certification within the next two years

### (8.12.5) Primary reason that third-party certification has not been adopted

Select from:

Not an immediate strategic priority

### (8.12.6) Explain why third-party certification has not been adopted

*Our purchased volumes are too low.*

*[Fixed row]*

### (8.12.1) Provide details of the certified volumes sold to each requesting CDP Supply Chain member.

## Row 1

### (8.12.1.1) Requesting member

Select from:

### (8.12.1.2) Commodity

Select from:

Palm oil

### (8.12.1.3) Form of commodity

Select all that apply

Other, please specify :chemical derivatives included in our final product

### (8.12.1.5) Metric

Select from:

Metric tons

### (8.12.1.6) Third-party certification scheme

#### Chain-of-custody certification

RSPO - Mass Balance

### (8.12.1.7) % of the total volume of commodity sold to requesting member that is certified

100

### (8.12.1.8) Comment (optional)

*Present in our Organoclays and Gel products. Unable to calculate specific volume sold due to complexity of our product / mix.*

## Row 2

### (8.12.1.1) Requesting member

Select from:

### (8.12.1.2) Commodity

Select from:

Palm oil

### (8.12.1.3) Form of commodity

Select all that apply

Other, please specify :palm derivative chemicals that are in our final products.

### (8.12.1.5) Metric

Select from:

Metric tons

### (8.12.1.6) Third-party certification scheme

#### Chain-of-custody certification

RSPO - Mass Balance

### (8.12.1.7) % of the total volume of commodity sold to requesting member that is certified

100

### (8.12.1.8) Comment (optional)

Present in our Organoclays and Gel products. Unable to calculate specific volume sold due to complexity of our product / mix

[Add row]



**(8.13) Does your organization calculate the GHG emission reductions and/or removals from land use management and land use change that have occurred in your direct operations and/or upstream value chain?**

	GHG emissions reductions and removals from land use management and land use change calculated
Timber products	<i>Select from:</i> <input checked="" type="checkbox"/> Yes, and willing to share details with requesting CDP Supply Chain members
Palm oil	<i>Select from:</i> <input checked="" type="checkbox"/> Yes, and willing to share details with requesting CDP Supply Chain members
Cattle products	<i>Select from:</i> <input checked="" type="checkbox"/> Yes, and willing to share details with requesting CDP Supply Chain members
Soy	<i>Select from:</i> <input checked="" type="checkbox"/> Yes, and willing to share details with requesting CDP Supply Chain members
Cocoa	<i>Select from:</i> <input checked="" type="checkbox"/> Yes, and willing to share details with requesting CDP Supply Chain members

[Fixed row]

**(8.14) Indicate if you assess your own compliance and/or the compliance of your suppliers with forest regulations and/or mandatory standards, and provide details.**

**(8.14.1) Assess legal compliance with forest regulations**

*Select from:*

- No, but we plan to within the next two years

### (8.14.5) Please explain

*We are working today to ensure our relevant, in-scope products and our purchased supplies are in compliance with the EU Deforestation Regulation from Jan 2025.*  
[Fixed row]

### (8.15) Do you engage in landscape (including jurisdictional) initiatives to progress shared sustainable land use goals?

#### (8.15.1) Engagement in landscape/jurisdictional initiatives

Select from:

No, we do not engage in landscape/jurisdictional initiatives, and we do not plan to within the next two years

#### (8.15.2) Primary reason for not engaging in landscape/jurisdictional initiatives

Select from:

Not an immediate strategic priority

#### (8.15.3) Explain why your organization does not engage in landscape/jurisdictional initiatives

*Our consumption of impactful commodities is relatively low in relation to those industries as a whole, and we are generally many tiers downstream of the actual commodities grown so we have limited influence and visibility of specific issues.*

[Fixed row]

### (8.17.1) Provide details on your project(s), including the extent, duration, and monitoring frequency. Please specify any measured outcome(s).

	Where is the project taking place in relation to your value chain?
Row 1	Select all that apply

	Where is the project taking place in relation to your value chain?
	<input checked="" type="checkbox"/> Project based elsewhere

[Add row]

## C9. Environmental performance - Water security

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

### Water withdrawals – total volumes

#### (9.2.1) % of sites/facilities/operations

Select from:

100%

#### (9.2.2) Frequency of measurement

Select from:

Continuously

#### (9.2.3) Method of measurement

*Water meters at source inlet.*

#### (9.2.4) Please explain

*We use meters at the inlet of water to our sites (e.g. a water utility pipe or a groundwater borehole pipe). We refer to our 'sites' to answer this question.*

### Water withdrawals – volumes by source

#### (9.2.1) % of sites/facilities/operations

Select from:

100%

#### (9.2.2) Frequency of measurement

Select from:

Continuously

### (9.2.3) Method of measurement

*Water meters at source inlet.*

### (9.2.4) Please explain

*Each source has it's own meter. We refer to our 'sites' to answer this question.*

## Water withdrawals quality

### (9.2.1) % of sites/facilities/operations

Select from:

Not monitored

### (9.2.4) Please explain

*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

### (9.2.1) % of sites/facilities/operations

Select from:

76-99

### (9.2.2) Frequency of measurement

Select from:

Daily

### (9.2.3) Method of measurement

*A combination of water meters and level meters, depending on the site.*

### (9.2.4) Please explain

*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

### (9.2.1) % of sites/facilities/operations

Select from:

76-99

### (9.2.2) Frequency of measurement

Select from:

Daily

### (9.2.3) Method of measurement

*A combination of water meters and level meters, depending on the site.*

### (9.2.4) Please explain

*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

### (9.2.1) % of sites/facilities/operations

Select from:

76-99

### (9.2.2) Frequency of measurement

Select from:

Monthly

### (9.2.3) Method of measurement

*A combination of water meters and level meters, depending on the site.*

### (9.2.4) Please explain

*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

### (9.2.1) % of sites/facilities/operations

Select from:

100%

### (9.2.2) Frequency of measurement

Select from:

Daily

### (9.2.3) Method of measurement

*Direct analysis*

### (9.2.4) Please explain

*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)**

### **(9.2.1) % of sites/facilities/operations**

Select from:

76-99

### **(9.2.2) Frequency of measurement**

Select from:

Monthly

### **(9.2.3) Method of measurement**

*Chemical analysis*

### **(9.2.4) Please explain**

*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**

### **(9.2.1) % of sites/facilities/operations**

Select from:

1-25

### **(9.2.2) Frequency of measurement**

Select from:



Continuously

### (9.2.3) Method of measurement

*Direct temperature measurement of the water at discharge.*

### (9.2.4) Please explain

*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

### (9.2.1) % of sites/facilities/operations

Select from:

100%

### (9.2.2) Frequency of measurement

Select from:

Monthly

### (9.2.3) Method of measurement

*Calculated from withdrawal and discharge quantity.*

### (9.2.4) Please explain

*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

### (9.2.1) % of sites/facilities/operations

Select from:

26-50

### (9.2.2) Frequency of measurement

Select from:

Continuously

### (9.2.3) Method of measurement

*Directly measured during normal operations.*

### (9.2.4) Please explain

*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

### (9.2.1) % of sites/facilities/operations

Select from:

100%

### (9.2.2) Frequency of measurement

Select from:

Other, please specify :This is built into site infrastructure, function is regularly monitored.

### (9.2.3) Method of measurement

*All our sites are designed to have suitable WASH facilities and are inspected regularly.*

### (9.2.4) Please explain

All of our sites were designed with suitable WASH facilities when constructed. We refer to our 'sites' to answer this question.  
[Fixed row]

**(9.2.2) 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?**

### **Total withdrawals**

#### **(9.2.2.1) Volume (megaliters/year)**

1311

#### **(9.2.2.2) Comparison with previous reporting year**

Select from:

About the same

#### **(9.2.2.3) Primary reason for comparison with previous reporting year**

Select from:

Increase/decrease in business activity

#### **(9.2.2.4) Five-year forecast**

Select from:

Lower

#### **(9.2.2.5) Primary reason for forecast**

Select from:

Increase/decrease in efficiency

#### **(9.2.2.6) Please explain**

Description for "comparison with previous reporting year" thresholds: Deviation +/- 0-20% about the same; Deviation between +/- 21-50% higher / lower; Deviation +/- 51% much higher / lower. 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 have worked to increase efficiency of water use across our portfolio. For example, we changed how we allocated products to our filtering equipment in Ludwigshafen, Germany, and were able to save approximately 30,000 m3 of water withdrawal (annualised). We also located and repaired a leak in our underground supply pipe in Songjiang, China.

## Total discharges

### (9.2.2.1) Volume (megaliters/year)

4043

### (9.2.2.2) Comparison with previous reporting year

Select from:

About the same

### (9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

### (9.2.2.4) Five-year forecast

Select from:

Lower

### (9.2.2.5) Primary reason for forecast

Select from:

Increase/decrease in efficiency

### (9.2.2.6) Please explain

Description for "comparison with previous reporting year" thresholds: Deviation +/- 0-20% about the same; Deviation between +/- 21-50% higher / lower; Deviation +/- 51% much higher / lower. 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.

## Total consumption

### (9.2.2.1) Volume (megaliters/year)

-2733

### (9.2.2.2) Comparison with previous reporting year

Select from:

Lower

### (9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

### (9.2.2.4) Five-year forecast

Select from:

About the same

### (9.2.2.5) Primary reason for forecast

Select from:

Increase/decrease in business activity

### (9.2.2.6) Please explain

Description for "comparison with previous reporting year" thresholds: Deviation +/- 0-20% about the same; Deviation between +/- 21-50% higher / lower; Deviation +/- 51% much higher / lower. 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.

[Fixed row]

**(9.2.4) Indicate whether water is withdrawn from areas with water stress, provide the volume, how it compares with the previous reporting year, and how it is forecasted to change.**

**(9.2.4.1) Withdrawals are from areas with water stress**

Select from:

Yes

**(9.2.4.2) Volume withdrawn from areas with water stress (megaliters)**

188

**(9.2.4.3) Comparison with previous reporting year**

Select from:

About the same

**(9.2.4.4) Primary reason for comparison with previous reporting year**

Select from:

Increase/decrease in business activity

**(9.2.4.5) Five-year forecast**

Select from:

Higher

**(9.2.4.6) Primary reason for forecast**

Select from:

Increase/decrease in business activity

**(9.2.4.7) % of total withdrawals that are withdrawn from areas with water stress**

**(9.2.4.8) Identification tool**

Select all that apply

WRI Aqueduct

**(9.2.4.9) Please explain**

Description for "comparison with previous reporting year" thresholds: Deviation +/- 0-20% about the same; Deviation between +/- 21-50% higher / lower; Deviation +/- 51% much higher / lower. Newberry Springs, CA, US, was classified as in a high water stress area in the WRI Aqueduct tool for the first time in 2023. Our other water withdrawals from areas of high water stress are located in China Songjiang and Anji.

[Fixed row]

**(9.2.7) Provide total water withdrawal data by source.****Fresh surface water, including rainwater, water from wetlands, rivers, and lakes****(9.2.7.1) Relevance**

Select from:

Relevant

**(9.2.7.2) Volume (megaliters/year)**

186

**(9.2.7.3) Comparison with previous reporting year**

Select from:

Much higher

**(9.2.7.4) Primary reason for comparison with previous reporting year**

Select from:

Increase/decrease in business activity

#### (9.2.7.5) Please explain

*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. Product mix effects meant our actual intensity metric was 2.5% higher year on year.*

### Brackish surface water/Seawater

#### (9.2.7.1) Relevance

Select from:

Not relevant

#### (9.2.7.5) Please explain

*We do not take water from these sources.*

### Groundwater – renewable

#### (9.2.7.1) Relevance

Select from:

Relevant

#### (9.2.7.2) Volume (megaliters/year)

249

#### (9.2.7.3) Comparison with previous reporting year

Select from:

Much lower

#### (9.2.7.4) Primary reason for comparison with previous reporting year



Select from:

Increase/decrease in business activity

### (9.2.7.5) Please explain

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.

## Groundwater – non-renewable

### (9.2.7.1) Relevance

Select from:

Not relevant

### (9.2.7.5) Please explain

We do not take water from this type of source.

## Produced/Entrained water

### (9.2.7.1) Relevance

Select from:

Not relevant

### (9.2.7.5) Please explain

We do not have these water sources.

## Third party sources

### (9.2.7.1) Relevance

Select from:

Relevant

### (9.2.7.2) Volume (megaliters/year)

876

### (9.2.7.3) Comparison with previous reporting year

Select from:

Much lower

### (9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

### (9.2.7.5) Please explain

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.

[Fixed row]

## (9.2.8) Provide total water discharge data by destination.

### Fresh surface water

#### (9.2.8.1) Relevance

Select from:

Relevant

#### (9.2.8.2) Volume (megaliters/year)

3287

### (9.2.8.3) Comparison with previous reporting year

Select from:

Much higher

### (9.2.8.4) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

### (9.2.8.5) Please explain

*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. Higher precipitation at our Finnish mines led to higher discharge.*

## Brackish surface water/seawater

### (9.2.8.1) Relevance

Select from:

Not relevant

### (9.2.8.5) Please explain

*We do not discharge to these destination types.*

## Groundwater

### (9.2.8.1) Relevance

Select from:

Not relevant

### (9.2.8.5) Please explain

We do not discharge to these destination types.

## Third-party destinations

### (9.2.8.1) Relevance

Select from:

Relevant

### (9.2.8.2) Volume (megaliters/year)

757

### (9.2.8.3) Comparison with previous reporting year

Select from:

Much lower

### (9.2.8.4) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

### (9.2.8.5) Please explain

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.

[Fixed row]

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

## Tertiary treatment

### (9.2.9.1) Relevance of treatment level to discharge

Select from:

Not relevant

### (9.2.9.6) Please explain

*We do not treat our water discharges to this level.*

## Secondary treatment

### (9.2.9.1) Relevance of treatment level to discharge

Select from:

Relevant but volume unknown

### (9.2.9.6) Please explain

*One of our sites (Anji, China) uses secondary (biological) water treatment.*

## Primary treatment only

### (9.2.9.1) Relevance of treatment level to discharge

Select from:

Relevant but volume unknown

### (9.2.9.6) Please explain

*Many of our sites discharge after (sedimentation) treatment.*

## Discharge to the natural environment without treatment

### (9.2.9.1) Relevance of treatment level to discharge

Select from:

Relevant but volume unknown

### **(9.2.9.6) Please explain**

*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**

#### **(9.2.9.1) Relevance of treatment level to discharge**

Select from:

Relevant but volume unknown

### **(9.2.9.6) Please explain**

*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**

#### **(9.2.9.1) Relevance of treatment level to discharge**

Select from:

Not relevant

### **(9.2.9.6) Please explain**

*No other situations apply.*

*[Fixed row]*

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

#### **(9.2.10.2) Categories of substances included**

Select all that apply

Priority substances listed under the EU Water Framework Directive

### (9.2.10.3) List the specific substances included

*Nickel and its compounds*

### (9.2.10.4) Please explain

*Nickel is a by-product and a potential rock leachate at our talc mines in Finland that we treat wastewater for before discharge. All our sites meet environmental permit requirements for wastewater pollution levels. We do not calculate the total mass of pollutants emitted at a corporate level.*

*[Fixed row]*

## (9.3) In your direct operations and upstream value chain, what is the number of facilities where you have identified substantive water-related dependencies, impacts, risks, and opportunities?

### Direct operations

#### (9.3.1) Identification of facilities in the value chain stage

Select from:

Yes, we have assessed this value chain stage and identified facilities with water-related dependencies, impacts, risks, and opportunities

#### (9.3.2) Total number of facilities identified

6

#### (9.3.3) % of facilities in direct operations that this represents

Select from:

26-50

#### (9.3.4) Please explain

4 of our manufacturing sites are in extremely high baseline water stress locations, according to WRI Aqueduct. While all sites use freshwater in their manufacturing processes all but these four are in low or low-medium water stress locations. 2 sites are mining locations in Finland, and have to manage water inflow from the environment and discharge of treated water back to the environment.

## Upstream value chain

### (9.3.1) Identification of facilities in the value chain stage

Select from:

No, we have not assessed this value chain stage for facilities with water-related dependencies, impacts, risks, and opportunities, and are not planning to do so in the next 2 years

### (9.3.4) Please explain

*We have multiple sources (or purchase commodities) for most of our upstream purchases, insulating our supply chains from localised water risk.  
[Fixed row]*

**(9.3.1) For each facility referenced in 9.3, provide coordinates, water accounting data, and a comparison with the previous reporting year.**

#### Row 1

### (9.3.1.1) Facility reference number

Select from:

Facility 1

### (9.3.1.2) Facility name (optional)

*Songjiang*

### (9.3.1.3) Value chain stage

Select from:



- Direct operations

#### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**China**

- Other, please specify :China Coast, Lake Tai Hu

#### (9.3.1.8) Latitude

31.032243

#### (9.3.1.9) Longitude

121.22775

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

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

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

26

**(9.3.1.21) Total water discharges at this facility (megaliters)**

12

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

### (9.3.1.23) Discharges to fresh surface water

0

### (9.3.1.24) Discharges to brackish surface water/seawater

0

### (9.3.1.25) Discharges to groundwater

0

### (9.3.1.26) Discharges to third party destinations

12

### (9.3.1.27) Total water consumption at this facility (megaliters)

14

### (9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

Lower

### (9.3.1.29) Please explain

*Description for "comparison with previous reporting year" thresholds: Deviation +/- 0-20% about the same; Deviation between +/- 21-50% higher / lower; Deviation +/- 51% much higher / lower. Consumption is calculated by subtracting discharge from withdrawal.*

## Row 2

### (9.3.1.1) Facility reference number

Select from:

Facility 2

### (9.3.1.2) Facility name (optional)

Anji

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**China**

Other, please specify :China Coast, Lake Tai Hu

### (9.3.1.8) Latitude

30.638674

**(9.3.1.9) Longitude**

119.680353

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

113

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

About the same

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

103

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

10

**(9.3.1.21) Total water discharges at this facility (megaliters)**

68

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

68

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

45

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

- Much higher

### (9.3.1.29) Please explain

Description for "comparison with previous reporting year" thresholds: Deviation +/- 0-20% about the same; Deviation between +/- 21-50% higher / lower; Deviation +/- 51% much higher / lower. Consumption is calculated by subtracting discharge from withdrawal.

## Row 3

### (9.3.1.1) Facility reference number

Select from:

- Facility 3

### (9.3.1.2) Facility name (optional)

*Newberry Springs plant*

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals only

#### (9.3.1.6) Reason for no withdrawals and/or discharges

*All withdrawn water is evaporated during our manufacturing processes.*

#### (9.3.1.7) Country/Area & River basin

**United States of America**

Other, please specify :Mojave

#### (9.3.1.8) Latitude

34.4952

#### (9.3.1.9) Longitude

-116.4043

#### (9.3.1.10) Located in area with water stress

Select from:

Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

27

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

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



0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

27

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

27

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

*Description for "comparison with previous reporting year" thresholds: Deviation +/- 0-20% about the same; Deviation between +/- 21-50% higher / lower; Deviation +/- 51% much higher / lower. Consumption is calculated by subtracting discharge from withdrawal. This is the first year this location has been classified as water stressed in WRI Aqueduct.*

## Row 4

### (9.3.1.1) Facility reference number

Select from:

- Facility 4

### (9.3.1.2) Facility name (optional)

*Newberry Springs mine*

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals only

### (9.3.1.6) Reason for no withdrawals and/or discharges

*All withdrawn water is evaporated during our mining process.*

### (9.3.1.7) Country/Area & River basin

**United States of America**

Other, please specify :Mojave

**(9.3.1.8) Latitude**

34.750545

**(9.3.1.9) Longitude**

-116.429468

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

21

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

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

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

21

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

21

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

*Description for "comparison with previous reporting year" thresholds: Deviation +/- 0-20% about the same; Deviation between +/- 21-50% higher / lower; Deviation +/- 51% much higher / lower. Consumption is calculated by subtracting discharge from withdrawal. This is the first year this location has been classified as water stressed in WRI Aqueduct.*

**Row 5**

**(9.3.1.1) Facility reference number**

Select from:

Facility 5

### (9.3.1.2) Facility name (optional)

Sotkamo

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Finland**

Oulujoki

### (9.3.1.8) Latitude

64.130654

### (9.3.1.9) Longitude

28.390497

**(9.3.1.10) Located in area with water stress**

Select from:

No

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

4

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

About the same

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

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

**(9.3.1.21) Total water discharges at this facility (megaliters)**

2160

**(9.3.1.22) Comparison of total discharges with previous reporting year***Select from:* About the same**(9.3.1.23) Discharges to fresh surface water**

2160

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

-2156

**(9.3.1.28) Comparison of total consumption with previous reporting year***Select from:* About the same

### (9.3.1.29) Please explain

Description for "comparison with previous reporting year" thresholds: Deviation +/- 0-20% about the same; Deviation between +/- 21-50% higher / lower; Deviation +/- 51% much higher / lower. Consumption is calculated by subtracting discharge from withdrawal. Site is a mining and ore processing site that recycles water from tailing settling ponds rather than withdrawing fresh water from the environment. The mines have to manage additional rainwater etc from the pit, resulting in higher discharge.

## Row 6

### (9.3.1.1) Facility reference number

Select from:

Facility 6

### (9.3.1.2) Facility name (optional)

Vuonos

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges



### (9.3.1.7) Country/Area & River basin

**Finland**

Other, please specify :Southern Finland

### (9.3.1.8) Latitude

62.761524

### (9.3.1.9) Longitude

29.090969

### (9.3.1.10) Located in area with water stress

Select from:

No

### (9.3.1.13) Total water withdrawals at this facility (megaliters)

86

### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

About the same

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

82

### (9.3.1.16) Withdrawals from brackish surface water/seawater

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

4

**(9.3.1.21) Total water discharges at this facility (megaliters)**

1058

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Much higher

**(9.3.1.23) Discharges to fresh surface water**

1058

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

### (9.3.1.26) Discharges to third party destinations

0

### (9.3.1.27) Total water consumption at this facility (megaliters)

-972

### (9.3.1.28) Comparison of total consumption with previous reporting year

Select from:

Much higher

### (9.3.1.29) Please explain

*Description for "comparison with previous reporting year" thresholds: Deviation +/- 0-20% about the same; Deviation between +/- 21-50% higher / lower; Deviation +/- 51% much higher / lower. Consumption is calculated by subtracting discharge from withdrawal. Site is a mining and ore processing site that recycles water from tailing settling ponds rather than withdrawing fresh water from the environment. The mines have to manage additional rainwater etc from the pit, resulting in higher discharge.*

*[Add row]*

## (9.3.2) For the facilities in your direct operations referenced in 9.3.1, what proportion of water accounting data has been third party verified?

### Water withdrawals – total volumes

#### (9.3.2.1) % verified

Select from:

76-100

#### (9.3.2.2) Verification standard used

ISO14064-1:2018

## Water withdrawals – volume by source

### (9.3.2.1) % verified

Select from:

Not verified

### (9.3.2.3) Please explain

*Time and resource constraints.*

## Water withdrawals – quality by standard water quality parameters

### (9.3.2.1) % verified

Select from:

Not verified

### (9.3.2.3) Please explain

*Time and resource constraints.*

## Water discharges – total volumes

### (9.3.2.1) % verified

Select from:

Not verified

### (9.3.2.3) Please explain

*Time and resource constraints.*

## Water discharges – volume by destination

### (9.3.2.1) % verified

Select from:

Not verified

### (9.3.2.3) Please explain

*Time and resource constraints.*

## Water discharges – volume by final treatment level

### (9.3.2.1) % verified

Select from:

Not verified

### (9.3.2.3) Please explain

*Time and resource constraints.*

## Water discharges – quality by standard water quality parameters

### (9.3.2.1) % verified

Select from:

Not verified

### (9.3.2.3) Please explain

*Time and resource constraints.*

## Water consumption – total volume

### (9.3.2.1) % verified

Select from:

Not verified

### (9.3.2.3) Please explain

*Time and resource constraints.*

*[Fixed row]*

### (9.5) Provide a figure for your organization's total water withdrawal efficiency.

#### (9.5.1) Revenue (currency)

713400000

#### (9.5.2) Total water withdrawal efficiency

544164.76

#### (9.5.3) Anticipated forward trend

*We expect increased water withdrawal 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.*

*[Fixed row]*

### (9.6.1) For your top five products by production weight/volume, provide the following water intensity information associated with your activities in the chemical sector.

**Row 1**

#### (9.6.1.1) Product type

## Other chemicals

Specialty organic chemicals

### (9.6.1.2) Product name

*organoclays/gels/speciality additives*

### (9.6.1.3) Water intensity value (m3/denominator)

10.3

### (9.6.1.4) Numerator: water aspect

Select from:

Total water withdrawals

### (9.6.1.5) Denominator

Select from:

Ton

### (9.6.1.6) Comparison with previous reporting year

Select from:

This is our first year of measurement

### (9.6.1.7) Please explain

*Shared use plants, we do not separate out product lines.*

## Row 2

### (9.6.1.1) Product type

## Other chemicals

- Specialty inorganic chemicals

### (9.6.1.2) Product name

*anti-perspirants*

### (9.6.1.3) Water intensity value (m3/denominator)

4.4

### (9.6.1.4) Numerator: water aspect

Select from:

- Total water withdrawals

### (9.6.1.5) Denominator

Select from:

- Ton

### (9.6.1.6) Comparison with previous reporting year

Select from:

- This is our first year of measurement

### (9.6.1.7) Please explain

*Dedicated plants to this product line*

## Row 3

### (9.6.1.1) Product type



## Other chemicals

Specialty inorganic chemicals

### (9.6.1.2) Product name

*talc*

### (9.6.1.3) Water intensity value (m3/denominator)

*0.3*

### (9.6.1.4) Numerator: water aspect

*Select from:*

Total water withdrawals

### (9.6.1.5) Denominator

*Select from:*

Ton

### (9.6.1.6) Comparison with previous reporting year

*Select from:*

This is our first year of measurement

### (9.6.1.7) Please explain

*Dedicated plants to this product line*

## Row 4

### (9.6.1.1) Product type

**Other chemicals**

Specialty inorganic chemicals

**(9.6.1.2) Product name**

*pharma*

**(9.6.1.3) Water intensity value (m3/denominator)**

31.6

**(9.6.1.4) Numerator: water aspect**

Select from:

Total water withdrawals

**(9.6.1.5) Denominator**

Select from:

Ton

**(9.6.1.6) Comparison with previous reporting year**

Select from:

This is our first year of measurement

**(9.6.1.7) Please explain**

*Dedicated plant to this product line*  
*[Add row]*

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

	Products contain hazardous substances
	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

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

#### Row 1

#### (9.13.1.1) Regulatory classification of hazardous substances

Select from:

Federal Water Pollution Control Act / Clean Water Act (United States Regulation)

#### (9.13.1.2) % of revenue associated with products containing substances in this list

Select from:

Less than 10%

#### (9.13.1.3) Please explain

*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.*

#### Row 2

#### (9.13.1.1) Regulatory classification of hazardous substances

Select from:

- List of substances (Canadian Environmental Protection Act)

### (9.13.1.2) % of revenue associated with products containing substances in this list

Select from:

- Less than 10%

### (9.13.1.3) Please explain

*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.*

## Row 3

### (9.13.1.1) Regulatory classification of hazardous substances

Select from:

- Annex XVII of EU REACH Regulation

### (9.13.1.2) % of revenue associated with products containing substances in this list

Select from:

- 10-20

### (9.13.1.3) Please explain

*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.*

## Row 4

### (9.13.1.1) Regulatory classification of hazardous substances

Select from:

Annex XIV of UK REACH Regulation

### (9.13.1.2) % of revenue associated with products containing substances in this list

Select from:

Less than 10%

### (9.13.1.3) Please explain

*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.*

## Row 5

### (9.13.1.1) Regulatory classification of hazardous substances

Select from:

Candidate List of Substances of Very High Concern (UK Regulation)

### (9.13.1.2) % of revenue associated with products containing substances in this list

Select from:

Less than 10%

### (9.13.1.3) Please explain

*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.*

## Row 6

### (9.13.1.1) Regulatory classification of hazardous substances

Select from:

- Guidelines for Controlling the Use of Key Chemical Substances in Consumer Products (China Regulation)

### (9.13.1.2) % of revenue associated with products containing substances in this list

Select from:

- Less than 10%

### (9.13.1.3) Please explain

*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.*

## Row 7

### (9.13.1.1) Regulatory classification of hazardous substances

Select from:

- Candidate List of Substances of Very High Concern for Authorisation above 0.1% by weight (EU Regulation)

### (9.13.1.2) % of revenue associated with products containing substances in this list

Select from:

- Less than 10%

### (9.13.1.3) Please explain

*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.*

## Row 8

### (9.13.1.1) Regulatory classification of hazardous substances

Select from:

- Water Pollution Prevention Act (Japan Regulation)

### (9.13.1.2) % of revenue associated with products containing substances in this list

Select from:

- Less than 10%

### (9.13.1.3) Please explain

*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.*

[Add row]

## (9.14) Do you classify any of your current products and/or services as low water impact?

### (9.14.1) Products and/or services classified as low water impact

Select from:

- No, and we do not plan to address this within the next two years

### (9.14.3) Primary reason for not classifying any of your current products and/or services as low water impact

Select from:

- Important but not an immediate business priority

### (9.14.4) Please explain

*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.*

[Fixed row]

**(9.15.1) 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	Select from: <input checked="" type="checkbox"/> No, and we do not plan to within the next two years	We comply with operating permits and not currently a focus to reduce further.
Water withdrawals	Select from: <input checked="" type="checkbox"/> Yes	Rich text input [must be under 1000 characters]
Water, Sanitation, and Hygiene (WASH) services	Select from: <input checked="" type="checkbox"/> No, and we do not plan to within the next two years	Not a strategic focus. All our operations have WASH services.
Other	Select from: <input checked="" type="checkbox"/> No, and we do not plan to within the next two years	Our Water withdrawal target helps with many other water metrics.

[Fixed row]

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

**Row 1**

**(9.15.2.1) Target reference number**

Select from:



Target 1

### (9.15.2.2) Target coverage

Select from:

Organization-wide (direct operations only)

### (9.15.2.3) Category of target & Quantitative metric

#### Water withdrawals

Reduction in withdrawals per unit of production

### (9.15.2.4) Date target was set

09/01/2019

### (9.15.2.5) End date of base year

12/30/2019

### (9.15.2.6) Base year figure

3.75

### (9.15.2.7) End date of target year

12/30/2030

### (9.15.2.8) Target year figure

3.38

### (9.15.2.9) Reporting year figure

3.15

### (9.15.2.10) Target status in reporting year

Select from:

Achieved

### (9.15.2.11) % of target achieved relative to base year

162

### (9.15.2.12) Global environmental treaties/initiatives/ frameworks aligned with or supported by this target

Select all that apply

None, alignment not assessed

### (9.15.2.13) Explain target coverage and identify any exclusions

*Global, covers the entire company. No exclusions*

### (9.15.2.15) Actions which contributed most to achieving or maintaining this target

*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.*

### (9.15.2.16) Further details of target

*Not every site has met their local target, so we maintain the same 2030 target for the moment.*

*[Add row]*

## C10. Environmental performance - Plastics

(10.1) Do you have plastics-related targets, and if so what type?

	Targets in place
	<i>Select from:</i> <input checked="" type="checkbox"/> No, and we do not plan to within the next two years

[Fixed row]

## C11. Environmental performance - Biodiversity

(11.2) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments?

	Actions taken in the reporting period to progress your biodiversity-related commitments
	Select from: <input checked="" type="checkbox"/> No, we are not taking any actions to progress our biodiversity-related commitments

[Fixed row]

(11.3) Does your organization use biodiversity indicators to monitor performance across its activities?

	Does your organization use indicators to monitor biodiversity performance?
	Select from: <input checked="" type="checkbox"/> No

[Fixed row]

(11.4) Does your organization have activities located in or near to areas important for biodiversity in the reporting year?

**Legally protected areas**

**(11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity**

Select from:

No

**(11.4.2) Comment**

n/a

**UNESCO World Heritage sites**

**(11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity**

Select from:

No

**(11.4.2) Comment**

n/a

**UNESCO Man and the Biosphere Reserves**

**(11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity**

Select from:

No

**(11.4.2) Comment**

n/a

## Ramsar sites

**(11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity**

Select from:

No

**(11.4.2) Comment**

n/a

## Key Biodiversity Areas

**(11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity**

Select from:

No

**(11.4.2) Comment**

n/a

## Other areas important for biodiversity

**(11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity**

Select from:

Yes

**(11.4.2) Comment**

*Our hectorite mine in California mine is within the habitat range of the Mojave Desert tortoise, which is on the International Union for Conservation of Nature (IUCN) red list as critically endangered. We have an approved tortoise barrier surrounding the site to prevent tortoises entering the site. Should a tortoise be found inside the fence, we work with a trained biologist to return the animal safely to its natural habitat.*

*[Fixed row]*

## **(11.4.1) Provide details of your organization's activities in the reporting year located in or near to areas important for biodiversity.**

### **Row 1**

#### **(11.4.1.1) Mining project ID**

*Select from:*

Project 5

#### **(11.4.1.2) Types of area important for biodiversity**

*Select all that apply*

Other areas important for biodiversity

#### **(11.4.1.4) Country/area**

*Select from:*

United States of America

#### **(11.4.1.5) Name of the area important for biodiversity**

*Hectorite clay mine in Newberry Springs California*

#### **(11.4.1.6) Proximity**

*Select from:*

Up to 5 km

**(11.4.1.8) Briefly describe your organization’s activities in the reporting year located in or near to the selected area**

*We operate one open cast mine in California for hectorite clay mineral. We can mine 220 hectares of land and have additional claims (mineral rights) on US federal land surrounding the current operation.*

**(11.4.1.9) Indicate whether any of your organization’s activities located in or near to the selected area could negatively affect biodiversity**

Select from:

Yes, but mitigation measures have been implemented

**(11.4.1.10) Mitigation measures implemented within the selected area**

Select all that apply

Physical controls

Other, please specify :Should a tortoise be found inside the fence, we work with a trained biologist to return the animal safely to its natural habitat.

**(11.4.1.11) Explain how your organization’s activities located in or near to the selected area could negatively affect biodiversity, how this was assessed, and describe any mitigation measures implemented**

*Our mine is within the habitat range of the Mojave Desert tortoise, which is on the International Union for Conservation of Nature red list as critically endangered. We have an approved tortoise barrier surrounding the site to prevent tortoises entering the site. Should a tortoise be found inside the fence, we work with a trained biologist to return the animal safely to its natural habitat.*

**(11.4.1.12) Further context for mining projects**

n/a

[Add row]

**(11.5) Can you disclose the mining project area and the area of land disturbed for each of your mining projects?**



	Disclosing mining project area and area of land disturbed	Comment
	Select from: <input checked="" type="checkbox"/> Yes	None.

[Fixed row]

**(11.5.1) Provide details on the mining project area and the area of land disturbed for each of your mining projects.**

**Row 1**

**(11.5.1.1) Mining project ID**

Select from:  
 Project 5

**(11.5.1.2) Total area of owned land/lease/project area (hectares)**

552

**(11.5.1.3) Total area disturbed to date (hectares)**

220

**(11.5.1.4) Area disturbed in the reporting year (hectares)**

0

**(11.5.1.5) Type(s) of habitat disturbed in the reporting year**

Select all that apply  
 Natural habitat

### (11.5.1.6) Comment

*The land area has not expanded during the reporting year.*

## Row 2

### (11.5.1.1) Mining project ID

*Select from:*

Project 1

### (11.5.1.2) Total area of owned land/lease/project area (hectares)

1070

### (11.5.1.3) Total area disturbed to date (hectares)

1070

### (11.5.1.4) Area disturbed in the reporting year (hectares)

0

### (11.5.1.5) Type(s) of habitat disturbed in the reporting year

*Select all that apply*

Natural habitat

### (11.5.1.6) Comment

*The land area has not expanded during the reporting year. Area includes an ore processing facility.*

## Row 3

### (11.5.1.1) Mining project ID

Select from:

Project 2

**(11.5.1.2) Total area of owned land/lease/project area (hectares)**

48

**(11.5.1.3) Total area disturbed to date (hectares)**

48

**(11.5.1.4) Area disturbed in the reporting year (hectares)**

0

**(11.5.1.5) Type(s) of habitat disturbed in the reporting year**

Select all that apply

Natural habitat

**(11.5.1.6) Comment**

*The land area has not expanded during the reporting year.*

**Row 4**

**(11.5.1.1) Mining project ID**

Select from:

Project 3

**(11.5.1.2) Total area of owned land/lease/project area (hectares)**

148

**(11.5.1.3) Total area disturbed to date (hectares)**

148

**(11.5.1.4) Area disturbed in the reporting year (hectares)**

0

**(11.5.1.5) Type(s) of habitat disturbed in the reporting year**

*Select all that apply*

Natural habitat

**(11.5.1.6) Comment**

*The land area has not expanded during the reporting year.*

**Row 5**

**(11.5.1.1) Mining project ID**

*Select from:*

Project 4

**(11.5.1.2) Total area of owned land/lease/project area (hectares)**

106

**(11.5.1.3) Total area disturbed to date (hectares)**

106

**(11.5.1.4) Area disturbed in the reporting year (hectares)**

0

### (11.5.1.5) Type(s) of habitat disturbed in the reporting year

Select all that apply

Natural habitat

### (11.5.1.6) Comment

*The land area has not expanded during the reporting year.*

[Add row]

## (11.9) Have any of your projects caused, or have the potential to cause, significant adverse impact(s) on biodiversity?

### (11.9.1) Any projects caused, or have the potential to cause, significant adverse impacts on biodiversity

Select from:

No

### (11.9.2) Comment

*We have not caused a biodiversity issue, and sites are well managed within the allowed permit limits. Our mine sites are small in the context of mining operations.*

[Fixed row]

## (11.10) Are biodiversity issues integrated into any aspects of your long-term strategic business plan, and if so how?

	Are biodiversity-related issues integrated?	Please explain
Long-term business objectives	Select from: <input checked="" type="checkbox"/> No, biodiversity-related issues were not reviewed and there are no plans to do so	We have low risk of large impact and so this is not a strategic priority.
Strategy for long-term objectives	Select from: <input checked="" type="checkbox"/> No, biodiversity-related issues were not reviewed and there are no plans to do so	We have low risk of large impact and so this is not a strategic priority.
Financial planning	Select from: <input checked="" type="checkbox"/> No, biodiversity-related issues were not reviewed and there are no plans to do so	We have low risk of large impact and so this is not a strategic priority.

[Fixed row]

### (11.13) Have significant impacts on biodiversity been mitigated through restoration?

	Have significant impacts on biodiversity been mitigated through restoration?	Comment
	Select from: <input checked="" type="checkbox"/> No	No sites have been closed recently. When a site is finally closed we will restore it to nature in line with the local requirements.

[Fixed row]

### (11.14) Have significant residual impacts of your projects been compensated through biodiversity offsets?

	Have residual impacts been compensated through biodiversity offsets?	Comment
	Select from: <input checked="" type="checkbox"/> No	None.

[Fixed row]

**(11.15) Is your organization implementing or supporting additional conservation actions?**

	Implementing or supporting additional conservation actions?	Comment
	Select from: <input checked="" type="checkbox"/> Yes	We have not set these activities against any of our business impacts.

[Fixed row]

**(11.15.1) Provide details on the main ACAs you are implementing or supporting.**

**Row 1**

**(11.15.1.1) Project title**

Forestmatic Tree Planting Sites - Peru

**(11.15.1.2) Project theme**

Select from:

Restoration (forests)

### (11.15.1.3) Country/Area

Select from:

Peru

### (11.15.1.4) Location

Select from:

Outside the area of influence of mining project

### (11.15.1.5) Primary motivation

Select from:

Voluntary

### (11.15.1.6) Timeframe

Select from:

Undefined

### (11.15.1.7) Start year

2022

### (11.15.1.9) Description of project

*We are helping stimulate the Amazonian regeneration through a rehabilitation approach of farming systems focused on soil regeneration, increased biodiversity and improved water cycle. Fruits and non-timber products are produced, benefitting local communities who consume or sell these products.*

### (11.15.1.10) Description of outcome to date

*1904 trees planted by the project as a whole, 275 funded by Elementis in 202. By supporting the work of Camino Verde and Forestmatic, we are contributing to 5 of the UN Sustainable Development Goals: Decent Work & Economic Growth (SDG 8), Responsible Consumption & Production (SDG 12), Climate Action (SDG 13), Life on Land (SDG 15), and Partnerships for the Goals (SDG 17).*



## Row 2

### (11.15.1.1) Project title

*Palmital site*

### (11.15.1.2) Project theme

*Select from:*

Restoration (forests)

### (11.15.1.3) Country/Area

*Select from:*

Brazil

### (11.15.1.4) Location

*Select from:*

Outside the area of influence of mining project

### (11.15.1.5) Primary motivation

*Select from:*

Legal requirements

### (11.15.1.6) Timeframe

*Select from:*

Undefined

### (11.15.1.7) Start year

2015

### (11.15.1.9) Description of project

At our site in Palmital, Brazil, we planted 1.15 hectares of natural forest within our factory limits. The are of the factory is 5.76 hectares. Previously, the land was a soybean plantation. This commitment is part of fulfilling local regulations.

### (11.15.1.10) Description of outcome to date

The parcel of land is now well-established with local trees in what is still a relatively deforested area.

[Add row]

### (11.17) Can you disclose the area rehabilitated (in total and in the reporting year) for each of your mining projects?

	Disclosing area rehabilitated (in total and in the reporting year)	Comment
	Select from: <input checked="" type="checkbox"/> No	N/A

[Fixed row]

### (11.18) Do you collaborate or engage in partnerships with non-governmental organizations to promote the implementation of your biodiversity-related goals and commitments?

	Collaborating or partnering with NGOs	Comment
	Select from: <input checked="" type="checkbox"/> No	No collaboration with NGO's on implementation of biodiversity related goals.

*[Fixed row]*

### C13. Further information & sign off

(13.1) Indicate if any environmental information included in your CDP response (not already reported in 7.9.1/2/3, 8.9.1/2/3/4, and 9.3.2) is verified and/or assured by a third party?

	Other environmental information included in your CDP response is verified and/or assured by a third party	Primary reason why other environmental information included in your CDP response is not verified and/or assured by a third party	Explain why other environmental information included in your CDP response is not verified and/or assured by a third party
	Select from: <input checked="" type="checkbox"/> No, and we do not plan to obtain third-party verification/assurance of other environmental information in our CDP response within the next two years	Select from: <input checked="" type="checkbox"/> Not an immediate strategic priority	<i>Not a strategic priority</i>

[Fixed row]

(13.3) Provide the following information for the person that has signed off (approved) your CDP response.

#### (13.3.1) Job title

CEO

#### (13.3.2) Corresponding job category

Select from:

Chief Executive Officer (CEO)

[Fixed row]

