



CO2 Report

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We calculated greenhouse gas emissions in accordance with the international standard GHG Protocol (GHGP) and the technical standard ČSN EN ISO 14064-1.

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About Green0meter

Vision

Sustainability is a business opportunity that generates value for the company by cutting costs or generating new revenues as well for the environment.

Methodology

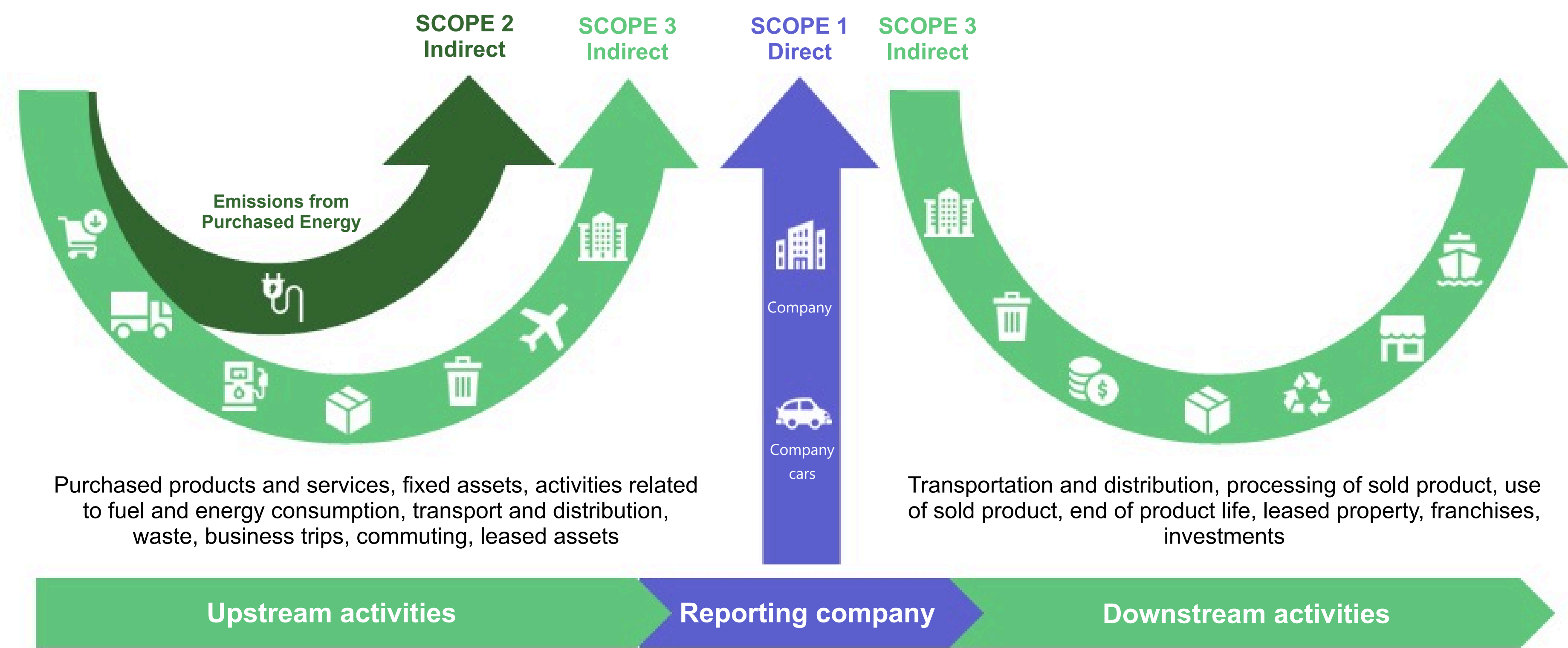
We follow the latest methodology ranging from ISO 14064, GHG Protocol with always up to date emission factors as well as GRI, CDP and EU Taxonomy, CSRD and SFDR.

Technology

Leveraging the latest Microsoft Cloud technology compliant with ISO 27001 and Machine Learning models to drive recommendations.

How we calculate your company's carbon footprint

We calculated the company's carbon footprint by considering direct and indirect emissions from purchased energy, following the GHG Protocol and ISO 14064 standards. We divided the greenhouse gas emissions into three ranges as per the GHG Protocol.



Summary of the data

Our Standards

We calculated greenhouse gas emissions in accordance with the international standard GHG Protocol (GHGP) and the technical standard ČSN EN ISO 14064-1.



**Activity
Data**

x



**Emission
Factor**

x



GWP

=



**Carbon
Footprint**

Activity data is a quantitative measure of the level of activity (e.g. litres of fuel used, kilometres driven, etc.) that results in greenhouse gas emissions.

A factor that converts activity data into greenhouse gas emissions data e.g. kg CO₂ emitted per litre of fuel consumed, kg CH₄ emitted per kilometre driven, etc..

A factor describing the radiative effect (degree of damage to the atmosphere) of one unit of a given greenhouse gas in relation to one unit of CO₂ over a time horizon of 100 years. By multiplying the emissions of a given greenhouse gas by its GWP, we obtain the equivalent CO₂ emissions.

It determines the amount of greenhouse gases that correspond to the production activity of the enterprise and is expressed in CO₂ equivalents (CO₂e).

CLOSER LOOK AT THE NUMBERS

Your company's carbon footprint in 2023.



Total Carbon
Footprint

3.34K
tCO₂e

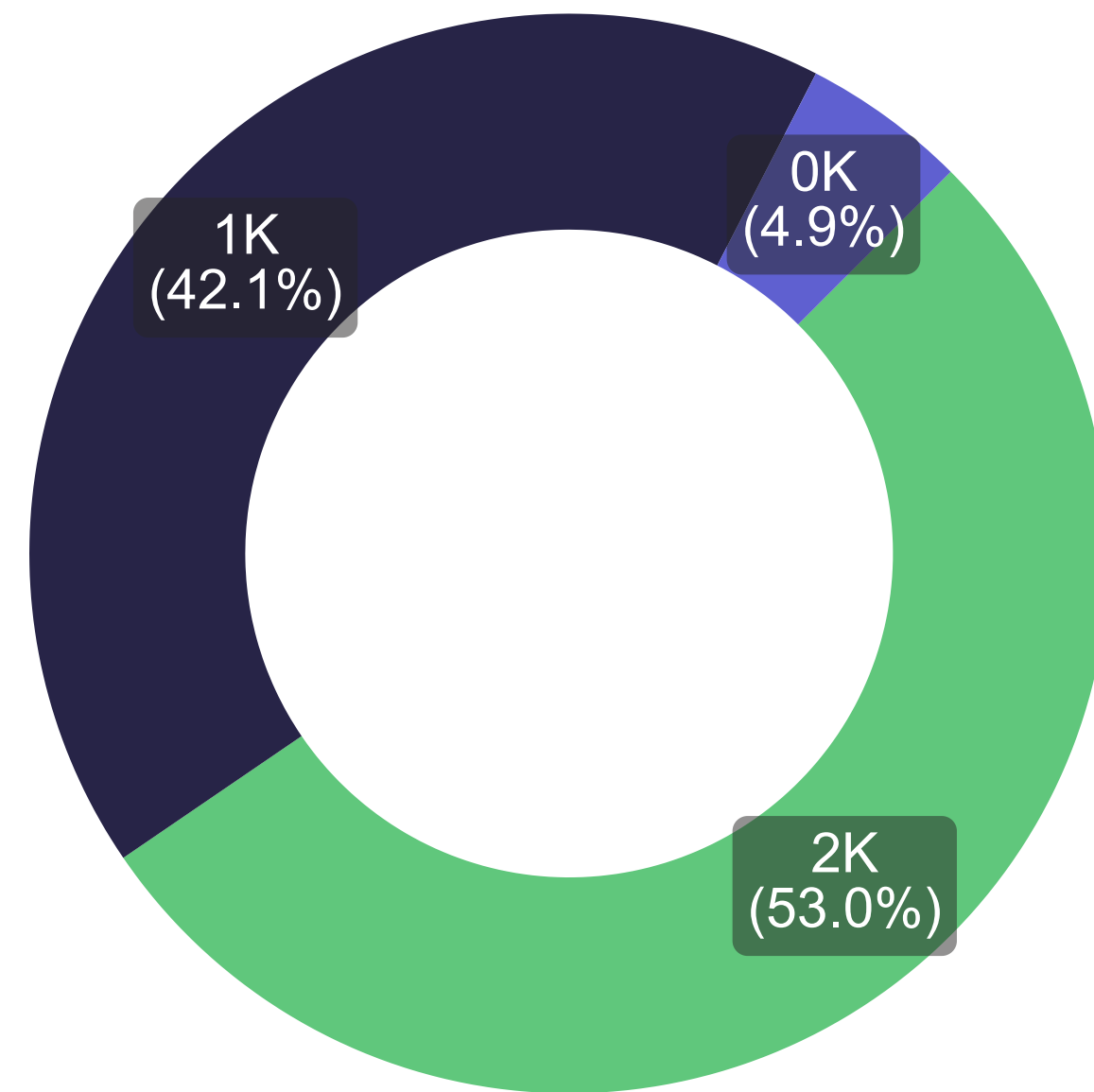


Carbon Footprint per
Employee

15.998
tCO₂e



Emissions inventory



GHG Scope

- Scope 1
- Scope 2
- Scope 3

Direct emissions amounted to **165.14** tCO₂e. Indirect emissions from purchased energy accounted for **1,407.42** tCO₂e and other indirect emissions generated in the company's value chain were **1,771.00** tCO₂e.

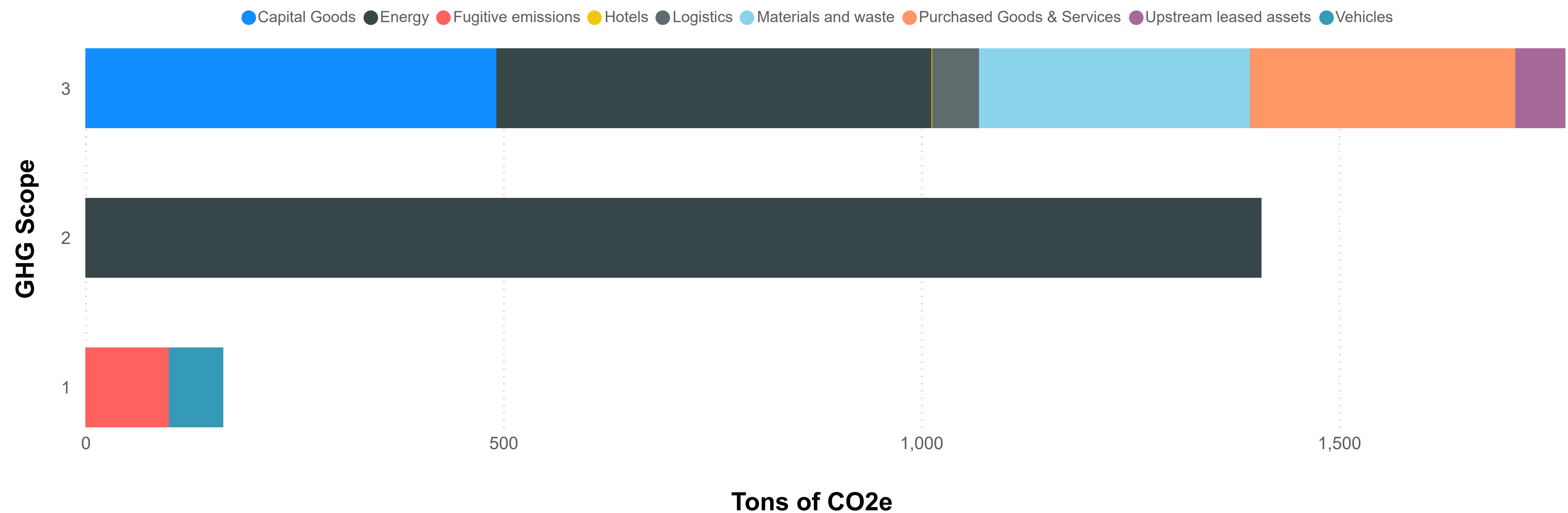
1.41K
tCO₂e

Emissions from
Purchased
Energy

Continuation

Company's emissions in the year

The company's direct emissions in the year **2023** were **165.14 tCO₂e**. Indirect emissions from purchased energy were **1,407.42 tCO₂e** and other indirect emissions created in the company's value chain were **1,771.00 tCO₂e**.





Scope 1

Direct Emissions

The company's primary source of direct emissions was related to **Fugitive emissions** and was responsible for **60.6 %** of direct emissions.

Other usual source of direct emissions, **vehicles**, was responsible for **65.089 tCO₂e** (**39.4 %** of direct emissions).

Value	Tons of CO ₂ e
Fugitive emissions	100.048
Vehicles	65.089
	165.137



Scope 2

Purchased Energy Emissions

Value	Tons of CO2e
Energy	1,407.416
	1,407.416

The main source of the company's indirect emissions was **consumption of purchased energy**.

Indirect emissions from purchased energy totaled **1,407.416** tCO2e where **electricity** represented the most commonly used type of energy source, and accounted for **97.7 %** of energy within Scope 2.



Scope 3

Other Indirect Emissions

The company's other indirect emissions represented **1,770.999** tCO₂e.

The emissions created in the company's upstream chain consisted of **99.0%** (**Energy** as the primary item responsible for **520.178** tCO₂e), while the ones created in the company's downstream chain contributed to the total indirect emissions with **1.0%** (**Emissions from downstream transport calculated by the logistics company** as the primary item responsible for **18.257** tCO₂e).

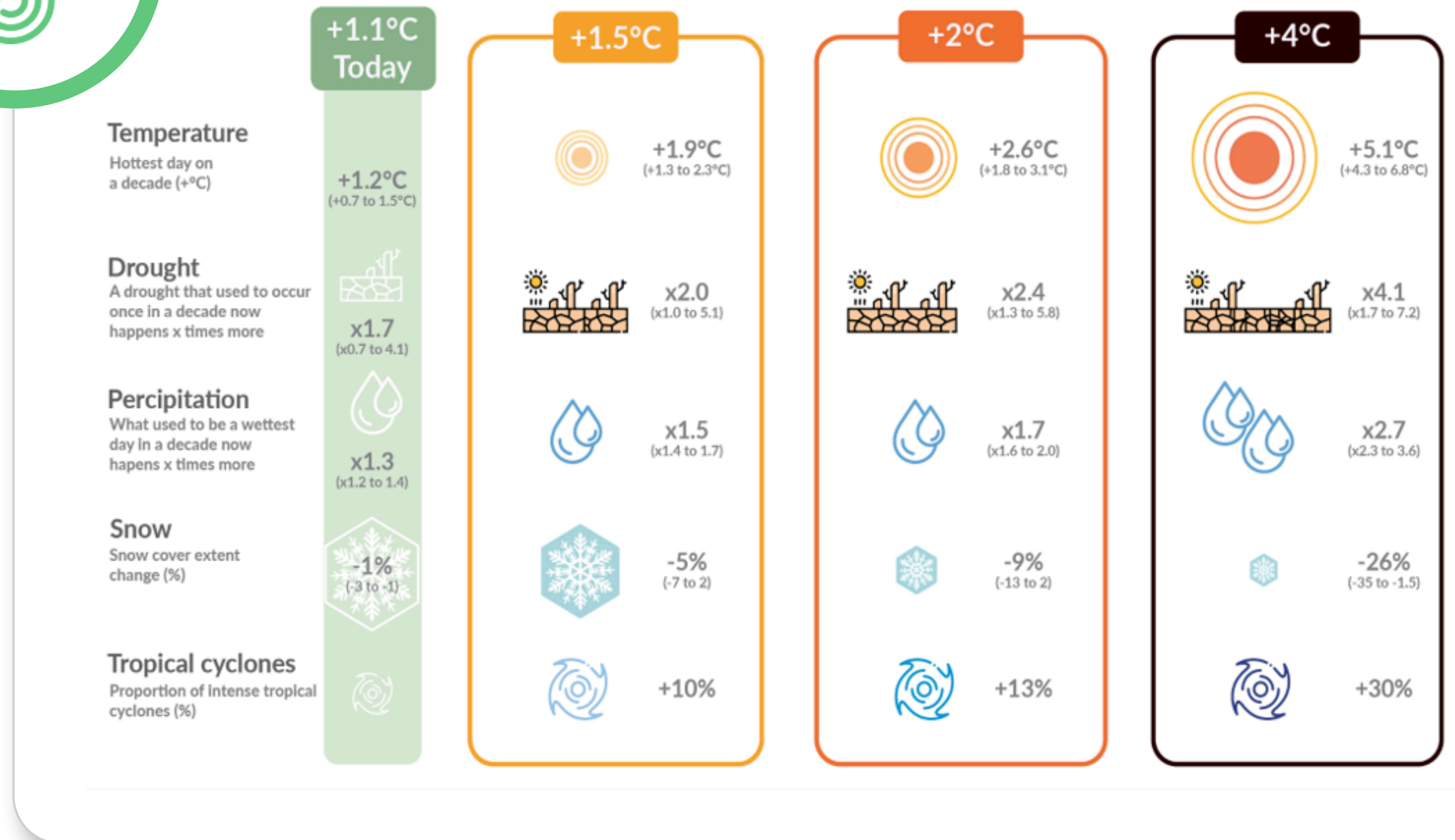
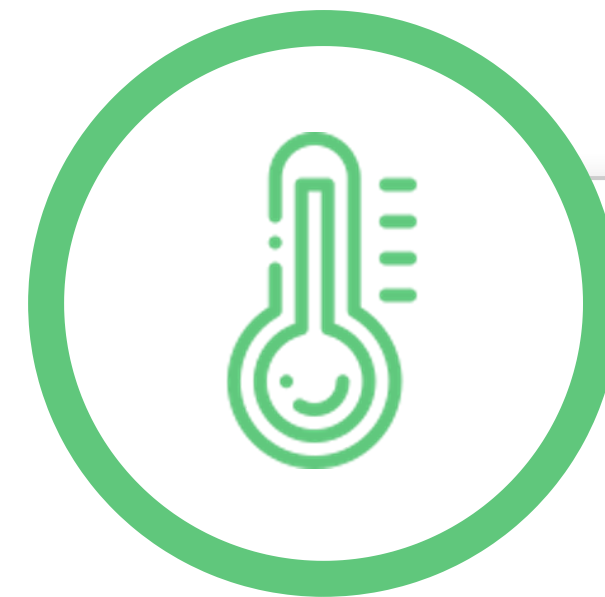
Value	Tons of CO ₂ e
Energy	520.178
Capital Goods	492.275
Materials and waste	324.251
Purchased Goods & Services	317.718
Upstream leased assets	59.646
Logistics	55.686
Hotels	1.246
	1,770.999

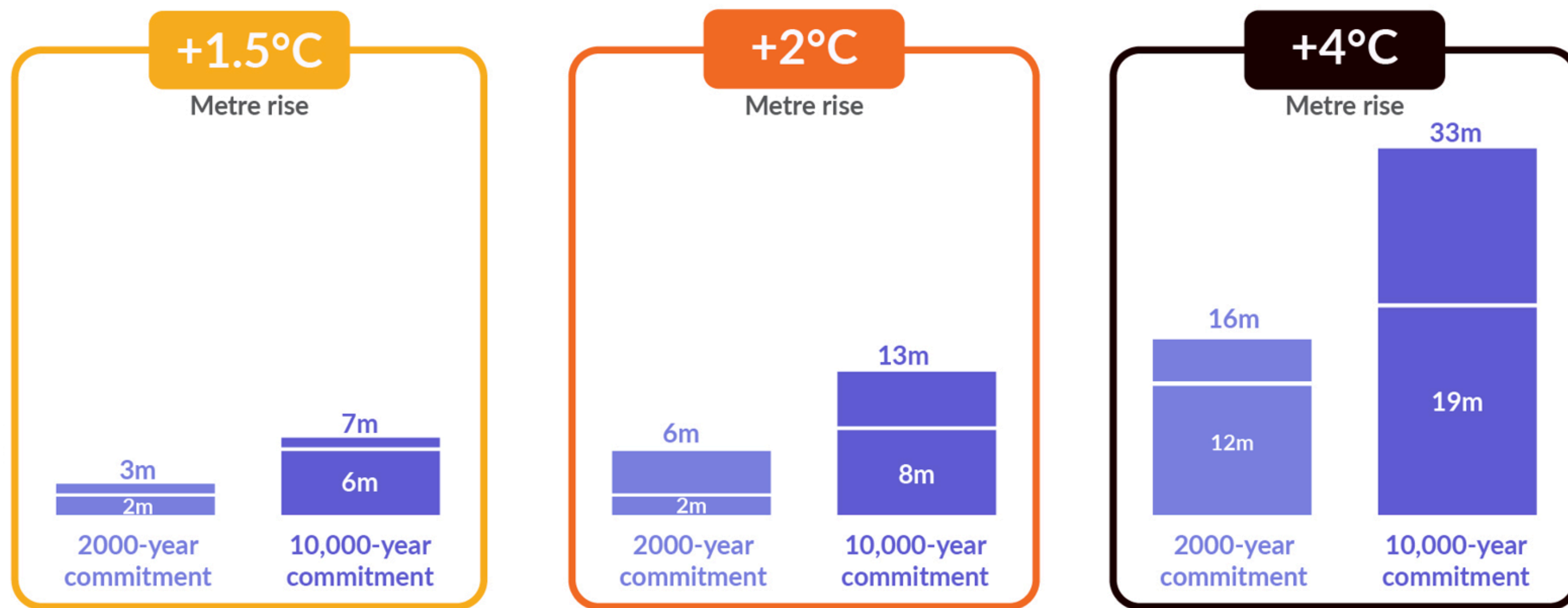
THE GLOBAL IMPACT

Climate futures

Many aspects of the climate system react quickly to temperature changes. At progressively higher levels of global warming there are greater consequences.

Response of the climate system relative to 1850–1900

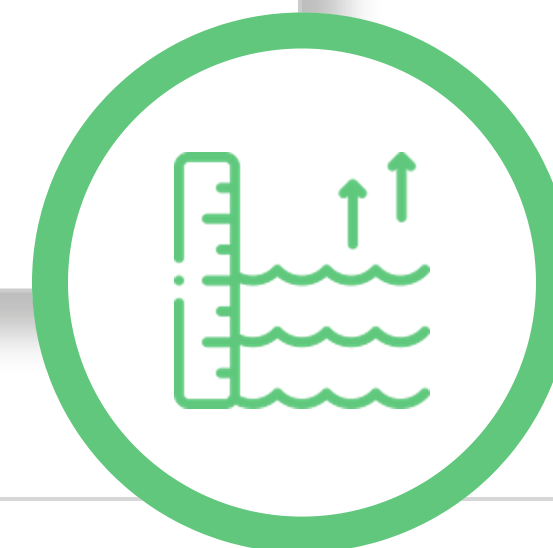




Long-term consequences: Sea level rise

Today, sea level has already increased by 20 cm and will increase an additional 30 cm to 1 m or more by 2100, depending on future emissions.

Sea level reacts very slowly to global warming so, once started, the rise continues for thousands of years.



Summary Numbers

3.34K

Total company
emissions in tCO₂e

15.998

Emissions per
employee in
tCO₂e/FTE

1.41K

tCO₂e accounted for
purchased energy



Our partners



Which Greenhouse gases did we calculate with?

The GHG Protocol registers a total of seven anthropogenic greenhouse gases that are relevant in terms of the company's carbon footprint. The table shows the main sources of these gases, their names, sources and global warming coefficient.

GREENHOUSE GAS	CHEMICAL ABBREVIATION	SOURCES	GWP
Carbon dioxide	CO ₂	Combustion of fossil fuels and biomass (80%); deforestation; aerobic decomposition of organic matter; erosion.	1
Nitrous oxide	N ₂ O	Agricultural activity, production of nitric and adipic acid, combustion processes, rocket and aviation technology.	265
Methane	CH ₄	Anaerobic decomposition of organic matter, biomass burning and landfill (5%); natural gas and oil processing, coal resources, gas leaks, cattle breeding, rice cultivation (25%).	28
Fluorinated hydrocarbons	HFC	Industrial processes, replacement of freons in refrigeration and air conditioning equipment, propellant gases - fire extinguishers, cleaning agents, foaming agents.	100 – 14 800
Perfluorocarbons	PFC	Refrigeration equipment, industrial processes, aluminum and semiconductor production, pharmaceuticals, cosmetics.	6 000–17 200
Sulfur fluoride	SF ₆	Electrotechnical industry, magnesium and aluminum smelting.	23 500
Nitrous fluoride	NF ₃	Production of plasma screens, solar panels and liquid crystal displays, selective agent.	16 100



There is **no** Planet B

Get in touch with Green0Meter today
– Don't let the sustainability opportunity slip!



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