

Carbon emission report

DE 5 STJERNER A/S

01-01-2024 → 31-12-2024

Bloomer Concept



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Client
DE 5 STJERNER A/S

Partner
Bloomer Concept

Carbon emission report

DE 5 STJERNER A/S



Total purchase count

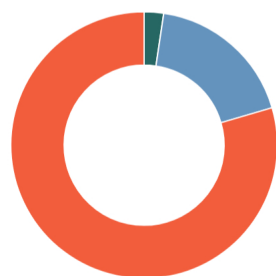
4062



Total CO₂e emissions (t)

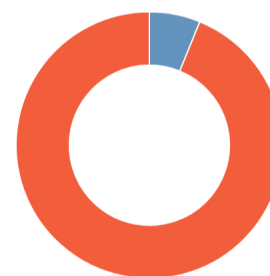
463,91 t CO₂e

Emissions by scope



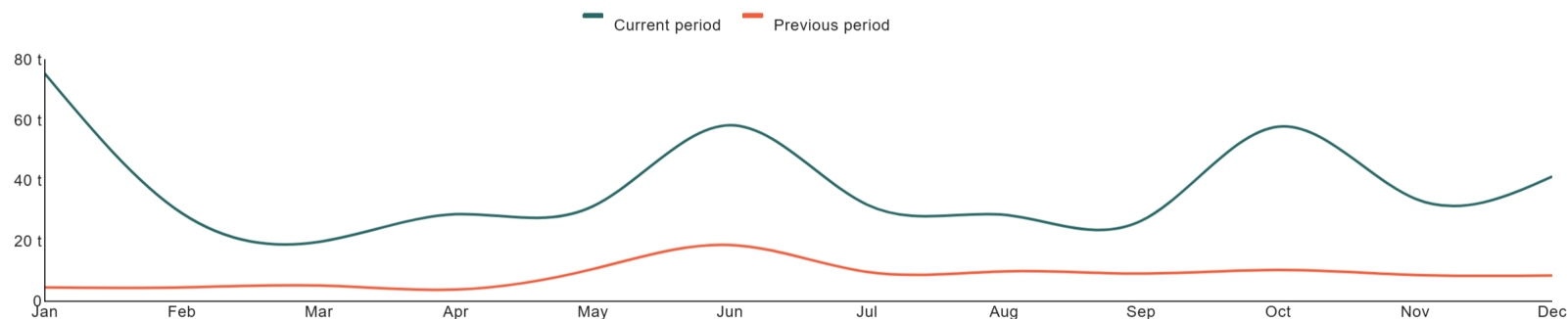
Scope 1	10,92 t	2%
Scope 2	84,02 t	18%
Scope 3	368,97 t	80%

Emissions by calculation method



Supplier-specific	0,00	0%
Average-data	28,67 t	6%
Spend-based	435,24 t	94%

Emissions over time





Emissions by GHG category and Scope

GHG emissions	Unit	Previous period	Current period
Scope 1	t CO ₂ e	0,00	10,92
Company Facilities	t CO ₂ e	0,00	10,78
Company Vehicles	t CO ₂ e	0,00	0,15
Scope 2	t CO ₂ e	0,00	84,02
Purchased electricity Market Based	t CO ₂ e	0,00	0,00
Purchased electricity Location Based	t CO ₂ e	0,00	66,72
Steam, heating and cooling for own use	t CO ₂ e	0,00	17,30
Scope 3	t CO ₂ e	104,54	368,97
Purchased Goods and Services	t CO ₂ e	103,52	268,34
Capital Goods	t CO ₂ e	0,00	15,89
Fuel and Energy Related Activities		nr	nr
Upstream Transportation and Distribution	t CO ₂ e	0,00	0,00
Waste Generated in Operations	t CO ₂ e	0,00	2,69
Business Travel	t CO ₂ e	0,00	13,03
Employee Commuting		nc	nc
Upstream Leased Purchases	t CO ₂ e	1,02	64,55
Downstream Transportation and Distribution	t CO ₂ e	0,00	0,00
Processing of Sold Products		nc	nc
Use of Sold Products		nr	nr
End-of-Life Treatment of Sold Products		nr	nr
Downstream Leased Purchases		nr	nr
Franchises		nr	nr
Investments		nr	nr

nr = not relevant

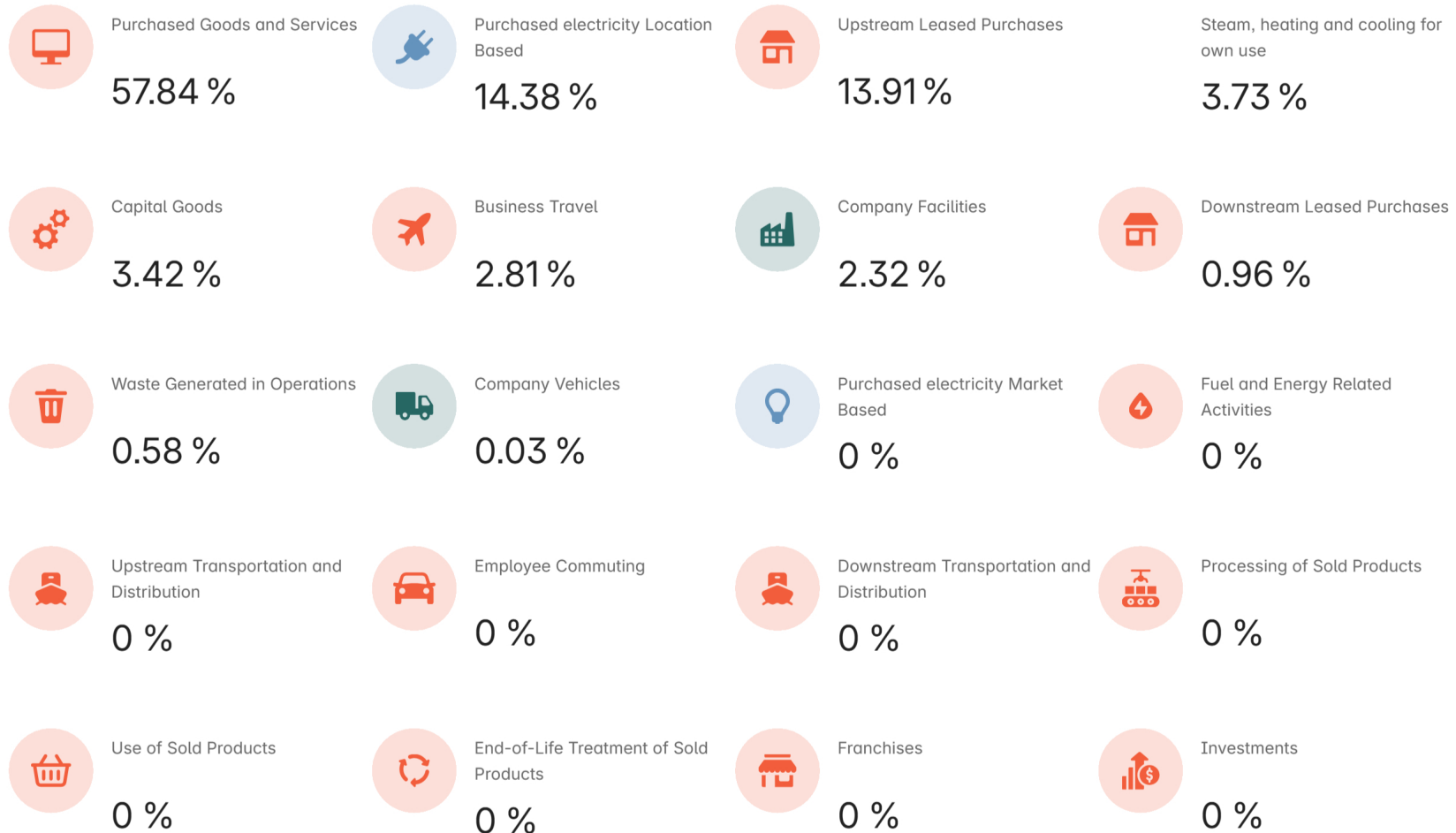
nc = not calculated





Scope 1 Scope 2 Scope 3

Emissions overview based on GHG categories



* Due to rounding, the total percentages presented may not exactly sum to 100%.





Data source

Accounting system entries	Invoice / Files	Individual purchases	Different invoice suppliers	Accounting system accounts	Integrations	Distinctive emission factors
3973	2656	4062	246	81	1	74

Status	Purchase count	t CO ₂ e	% by emission	% by purchase amount
Total	4062	463,91	100.00	100.00
Verified	3367	424,98	91.61	82.89
defined	692	36,74	7.92	17.04
undefined	3	2,19	0.47	0.07
Scope1	19	10,92	100.00	100.00
Verified	19	10,92	100.00	100.00
Scope2	153	84,02	100.00	100.00
Verified	153	84,02	100.00	100.00
Scope3	3890	368,97	100.00	100.00
Verified	3195	330,04	89.45	82.13
defined	692	36,74	9.96	17.79
undefined	3	2,19	0.59	0.08

Verified - Emissions have been confirmed by human interaction **Defined** - Suitable emissions have been confirmed by AI
Undefined - No suitable emission factors have been found by AI. Generic emission factor based on average emissions is being used.





Emission characteristics

Top emission factor sources	Purchase count	t CO ₂ e	% by emission	% by purchase amount
EXIOBASE	3417	298,24	64.29	85.79
Energinet	133	66,61	14.36	3.34
Verarca	190	44,82	9.66	4.77
GHG Protocol	8	23,64	5.10	0.20
Other	235	30,59	6.59	5.90

Top emission factor sectors	Purchase count	t CO ₂ e	% by emission	% by purchase amount
Consumer Goods and Services	1302	132,88	28.64	32.69
Energy	169	94,77	20.43	4.24
Equipment	857	80,64	17.38	21.52
organisational Activities	575	55,28	11.92	14.44
Other	1080	100,34	21.63	27.12





Top emission factor categories

Category	Purchase count	t CO ₂ e	% by emission	% by purchase amount
General Retail	974	80,11	17.27	24.45
Electricity	134	66,72	14.38	3.36
Equipment Rental	704	49,68	10.71	17.68
Food/Beverages/Tobacco	205	39,48	8.51	5.15
08db14dd-004f-4d89-862c-2a1317f158ae	301	37,86	8.16	7.56
Sea Travel	1	19,27	4.15	0.03
Heat and Steam	19	17,30	3.73	0.48
Machinery	8	15,19	3.27	0.20
Restaurants and Accommodation	129	14,69	3.17	3.24
Vehicles	152	14,16	3.05	3.82
Organizational Activities	269	13,81	2.98	6.75
Fuel	16	10,75	2.32	0.40
Transport Services and Warehousing	294	10,57	2.28	7.38
Furnishings and Household	49	7,37	1.59	1.23
Maintenance and Repair	80	6,76	1.46	2.01
Insurance Services	192	6,45	1.39	4.82
Information and Communication Services	75	5,22	1.12	1.88
Electronics	1	4,86	1.05	0.03
Equipment Repair	97	4,84	1.04	2.44
Other	283	38,81	8.37	7.11





Emission factors

Source	Activity name	Year	Region	LCA Activity	Unit type	ID
EXIOBASE	Machinery and equipment (not elsewhere specific	2021	Denmark	unknown	DKK	0278bd11-4226-4e03-ab25-14a64d3aac97
EXIOBASE	Dairy products	2021	Denmark	unknown	DKK	073f2373-6300-44fb-bd66-db03e3b562f4
EXIOBASE	Sugar	2021	Denmark	unknown	DKK	0829db78-3fb9-4741-88eb-ff05b8d14922
EXIOBASE	Natural gas and services related to natural gas ex	2021	Denmark	unknown	DKK	0870bd1a-4614-46c3-a074-b6f096b89d1f
Verarca	Generic - Fallback emission Denmark - 2024	2024	Denmark		DKK	08dbf0be-70f0-48e1-8961-378a81dd46fa
Energinet	Elektricitet - ENERGINET - General deklaration 20	2023	Denmark		kWh	08dc0df5-da8e-4207-8b10-c9d9dff9f36a
Verarca	Advertising - Other services related to advertising	2024	Denmark		DKK	08dc0df6-207b-4a6e-8632-1325f8b5711b
Verarca	Generic - Legal services	2020	Denmark		DKK	08dc1137-4b7e-4a04-8306-73b4e29e7bdc
EXIOBASE	Hotel and restaurant (services)	2021	Denmark	unknown	DKK	08dc114b-7820-44b1-8cce-ff91e62624e2
Verarca	Generic - Software	2022	Denmark	cradle_to_shelf	DKK	08dc11b7-c3ff-4510-8fc3-19c90f372a1d
Verarca	Leasing - Vehicle rental and leasing	2023	Denmark	cradle_to_shelf	DKK	08dc1277-e012-4064-8e20-68339d73233d
Verarca	Generic - Fjernvarme Denmark - 2022	2022	Denmark		DKK	08dc3e87-1edf-4fdf-8d1d-e977509d5fee
DANVA	DANVA - Vandforbrug - Østdanmark - 2022	2023	Denmark		m3	08dc41b5-55ed-49c0-8319-7ce1dd38b0a5
Verarca	Generic - Water supply	2024	Denmark		DKK	08dcc69d-0fee-4a0c-8449-ece1ca683258
Energinet	El - Energinet - Generelle Eldeklaration 2023	2024	Denmark		DKK	08dd3631-b6e9-408f-844d-6af417117b9a
Evida	Evida - naturgas 2024	2025	Denmark		m3	08dd615c-359c-4bcd-83e0-133509aaeb8c
EXIOBASE	Medical/precision and optical instruments/watche	2021	Denmark	unknown	DKK	0ff28e5e-e0c0-40ed-97e7-bce9c24590b2
EXIOBASE	Education services	2021	Denmark	unknown	DKK	11ef714b-d2a2-423d-8fb8-deb7f0662c49
EXIOBASE	Office machinery and computers	2021	Denmark	unknown	DKK	1875dc56-e36e-4829-969b-0b79b899db1a





Emission factors

Source	Activity name	Year	Region	LCA Activity	Unit type	ID
EXIOBASE	Other waste for treatment: waste water treatment	2021	Denmark	unknown	DKK	19efc7ad-ab05-43ee-bd2f-e8a3b5a68a31
GHG Protocol	Hotel room	2017	Global	unknown	DKK	1cd2252d-10b5-4734-afca-e463110235ef
Market Economics	Audio-visual equipment	2023	New Zealand	unknown	DKK	1db63a35-7b02-4116-8767-1aaf5948f173
EXIOBASE	Membership organisation services (not elsewhere	2021	Denmark	unknown	DKK	1ed69cb2-7400-49cc-9e77-889ba57d4287
BEIS	Laundry and dry cleaning	2018	United Kingdom	unknown	DKK	1f8d7890-0505-42b8-947e-048c97eef673
Market Economics	Repair and hire of household appliances	2023	New Zealand	unknown	DKK	2049a435-7a9c-42f6-9e94-7e2d3fd5d411
Market Economics	Property maintenance services	2023	New Zealand	unknown	DKK	20aeddab-0ec4-4b06-9f69-a5c64b6adfc2
EXIOBASE	Collected and purified water / distribution of wate	2021	Denmark	unknown	DKK	244ac001-9b9a-4a9f-9c66-54f49ad29c27
EPA	Other social advocacy organizations	2024	United States	cradle_to_shelf	DKK	2a70d1d8-76e9-48be-8863-ce4e049af453
EXIOBASE	Other waste for treatment: waste water treatment	2021	Denmark	unknown	DKK	2e660fb0-3418-4e14-b7d2-51f7a82f680b
EXIOBASE	Motor vehicles/trailers and semi-trailers	2021	Denmark	unknown	DKK	2f378513-5792-400c-bb7c-d6cb9df71cf5
EXIOBASE	Computer and related services	2021	Denmark	unknown	DKK	2f63fa5c-4fdb-41d9-96ec-fe08f00f32d1
EXIOBASE	Hotel and restaurant (services)	2021	Denmark	unknown	DKK	31204d3b-e908-430d-a26a-2217a3f62318
EXIOBASE	Cement/lime and plaster	2021	Denmark	unknown	DKK	37bd0b23-1d7d-433e-94aa-9f5a05047aff
EXIOBASE	Paper and paper products	2021	Denmark	unknown	DKK	4592f66c-199b-4111-acb0-26a2c33d6f4f
EXIOBASE	Gas/diesel oil	2021	Denmark	unknown	DKK	464e6efa-3e90-4ec6-b44f-e0764ef53757
Market Economics	Air passenger transport	2023	New Zealand	unknown	DKK	4681abf3-4e54-45b4-bc42-42862f0db196
EXIOBASE	Rental of machinery and equipment (without oper	2021	Denmark	unknown	DKK	4aacccec-db06-42d9-a4b3-4cb921403e0c
EXIOBASE	Electrical machinery and apparatus (not elsewher	2021	Denmark	unknown	DKK	4bf7e23c-0a36-4924-a72b-5774a8a6cdc1





Emission factors

Source	Activity name	Year	Region	LCA Activity	Unit type	ID
Market Economics	Other non-hospital services	2023	New Zealand	unknown	DKK	52fd751a-5fbc-49a4-9ddd-ea99096e41a9
EXIOBASE	Beverages	2021	Denmark	unknown	DKK	5a07a730-5216-496f-b911-725500049a89
EXIOBASE	Motor vehicles/trailers and semitrailers	2021	Denmark	unknown	DKK	5bf23d80-0ec3-4ed9-9d47-661f00297be3
Market Economics	Wines	2023	New Zealand	unknown	DKK	5c301ec0-b53c-4a7b-a4de-156f44f61446
EXIOBASE	Other services (not elsewhere specified)	2021	Denmark	unknown	DKK	5f2d0ecf-6716-4ac6-b183-526dd19cb5b8
Market Economics	Living plants/buds/seeds/spice and aromatic crops	2023	New Zealand	unknown	DKK	63ed9ec9-e6a2-4ad1-8c95-6a34d3b64f3e
EXIOBASE	Real estate services	2021	Denmark	unknown	DKK	65822c9f-0e01-43e2-ae78-697da58189dd
GHG Protocol	Sale maintenance and repair of motor vehicles and motorcycles	2017	Global	unknown	DKK	696faba2-2eb6-405f-bafc-9ffbfd0bf52e
GHG Protocol	Sea travel	2017	Global	unknown	DKK	6e83e8f5-5b1f-42a4-87ee-5894f6af2fe6
EXIOBASE	Retail trade (except of motor vehicles and motorcycles)	2021	Denmark	unknown	DKK	6ffdc3a6-b8f0-4813-94c9-ea5ede663581
EXIOBASE	Other business services	2021	Denmark	unknown	DKK	732e4e15-57ab-4c19-b140-585ddf344dad
EXIOBASE	Furniture/other manufactured goods (not elsewhere specified)	2021	Denmark	unknown	DKK	77153078-7363-4452-a126-46f56bab7f20
EXIOBASE	Wearing apparel/furs	2021	Denmark	unknown	DKK	7ce8a17d-6877-4c6c-bbe2-7d2a435960f3
GHG Protocol	Facility waste management	2017	Global	unknown	DKK	82c5c627-089a-4ce1-8ae5-66875d56919f
EXIOBASE	Other transport equipment	2021	Denmark	unknown	DKK	8596e7f0-5ea4-4c37-81bc-161e5ab3ef2c
EXIOBASE	Sale/maintenance/repair/parts/accessories of motor vehicles	2021	Denmark	unknown	DKK	85ae2145-5285-460f-8e57-721eaff100fa
Brøndby Fjernvarm	Brøndby Fjernvarme - Fjernvarmedeklaration 202		Denmark		KWH	8c73dd7b-fc37-4b78-8d91-4a232928c362
EXIOBASE	Radio/television and communication equipment and computers	2021	Denmark	unknown	DKK	8e2825df-7768-45f7-9b6f-0fdd3a743c85
EXIOBASE	Financial intermediation services (except insurance)	2021	Denmark	unknown	DKK	9112ae59-1153-4c97-9418-18c3ccf8ead6





Emission factors

Source	Activity name	Year	Region	LCA Activity	Unit type	ID
EXIOBASE	Insurance and pension funding services (except c	2021	Denmark	unknown	DKK	96b8421c-a3c2-42d3-a42a-07e94cacdbb5
EXIOBASE	Other nonferrous metal products	2021	Denmark	unknown	DKK	988229f8-9631-42ca-aa5c-0995706111f7
EXIOBASE	Sale/maintenance/repair/parts/accessories of mc	2021	Denmark	unknown	DKK	ac5864d5-67df-4c85-8cbf-508d8278ac22
EXIOBASE	Post and telecommunication	2021	Denmark	unknown	DKK	ad26f4f4-945c-4f91-8871-4d9b008c7e5f
EXIOBASE	Real estate services	2021	Denmark	unknown	DKK	b04c6ac5-568e-4595-b4d6-a47f731d4e68
EXIOBASE	Electrical machinery and apparatus (not elsewhe	2021	Denmark	unknown	DKK	b2c0445a-eb04-4961-b7f3-3c073214a569
EXIOBASE	Textiles	2021	Denmark	unknown	DKK	b6042d57-76cc-48ee-823a-d0772adfe8fb
EXIOBASE	Other land transportation services	2021	Denmark	unknown	DKK	ba3bd6ae-259e-437e-a721-7dc3520d761a
EXIOBASE	Food products (not elsewhere specified)	2021	Denmark	unknown	DKK	ca322ce5-595f-4214-a29e-d434649bac44
Market Economics	Maintenance of other equipment	2023	New Zealand	unknown	DKK	cab36e65-f1e1-44a9-8a85-99244ae53a38
EXIOBASE	Recreational/cultural and sporting services	2021	Denmark	unknown	DKK	cfd5198c-6831-4f3a-ad5d-175bfe40c87e
EXIOBASE	Other business services	2021	Denmark	unknown	DKK	dd3e54be-8131-49c0-9e9e-e4fd5ec24113
EXIOBASE	Other services (not elsewhere specified)	2021	Denmark	unknown	DKK	e12eb2d6-5b2f-4d11-9d91-9d0ebef7e6cd
EXIOBASE	Computer and related services	2021	Denmark	unknown	DKK	ebdc3139-c4da-40f4-9100-7ec1b61a1a71
EXIOBASE	Electricity generated from gas	2021	Denmark	unknown	DKK	f11eb71b-0906-4698-849d-37b723481477
EXIOBASE	Food products (not elsewhere specified)	2021	Denmark	unknown	DKK	f1e8ecb1-d781-4e34-98d4-0c3fecdd1de8d
EXIOBASE	Chemicals (not elsewhere specified)	2021	Denmark	unknown	DKK	fa00a751-aea6-4e2a-ae8c-7cb3eb85be67





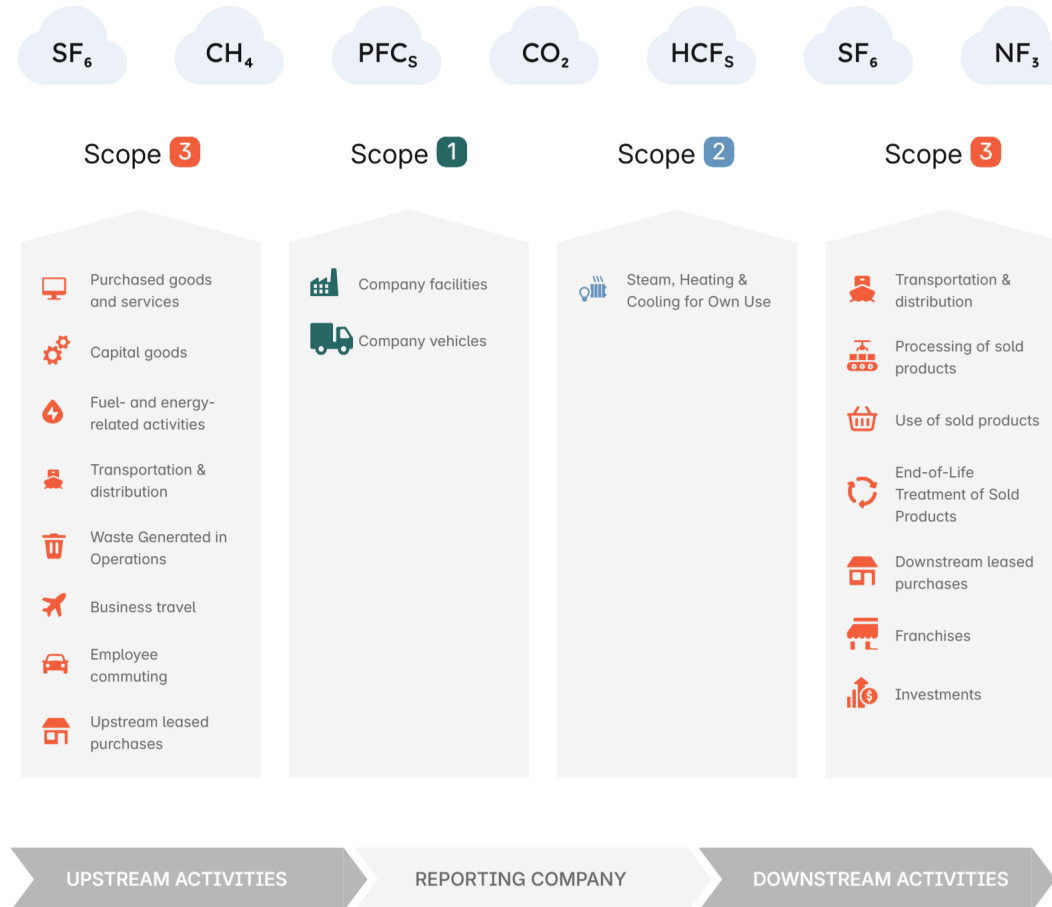
The Three Scopes

The GHG Protocol divides an organization's emissions into three main categories

Scope 1 covers emissions from sources that an organisation owns or controls directly - for example from burning fuel in company vehicles (if they're not electrically-powered).

Scope 2 represents indirect emissions from the production of purchased energy from a utility company. In other words, it includes all greenhouse gas emissions released into the atmosphere as a result of consuming purchased electricity, steam, heating, and cooling.

Scope 3 represents indirect emissions that occur within a company's value chain, including both upstream and downstream emissions. In other words, these emissions are associated with a company's operations. According to the GHG Protocol, scope 3 emissions are divided into 15 categories.





Worth knowing



CO₂e

CO₂e is a unit of measurement that makes it easier to compare the impact of different greenhouse gases. It indicates the amount of CO₂ that would have the same global warming effect as the particular greenhouse gas in question.



Total emissions

The total amount of greenhouse gas emissions, usually measured in units such as tons of CO₂e or kg CO₂e, represents the overall impact of climate change for an organization or business.



Calculation Method

There are several methods for calculating CO₂, including Supplier-specific, Average-data, and Spend-based methods. Verarca's system is designed to select the most accurate method based on the available data provided by the company.



Supplier-specific

This method is based on supplier-provided data, allowing for specific CO₂ footprint to be directly derived from the supplier's invoice or other documentation. In other words, the supplier has calculated the CO₂ footprint for a specific product, service, or offering.



Average-data

Is a calculation method that estimates emissions for goods and services by collecting data on quantity (e.g. kg, hours, liters or kWh) or other relevant units for purchased goods and services and multiplying it by relevant secondary emission factors. This method can be used when dealing with raw materials such as gasoline or electricity.



Spend-based

This method estimates emissions for goods and services by collecting data on the purchase price of acquired goods and services and multiplying it by relevant secondary (e.g. industry averages) emission factors. This calculation method is applicable in cases where neither Supplier-specific nor Average-data methods can be utilized.





The GHG Protocol

GHG Protocol establishes comprehensive global standardized frameworks to measure and manage greenhouse gas (GHG) emissions from private and public sector operations, value chains and mitigation actions. Building on a 20-year partnership between World Resources Institute (WRI) and the World Business Council for Sustainable Development (WBCSD), GHG Protocol works with governments, industry associations, NGOs, businesses and other organizations.

Why Verarca uses the GHG Protocol?

GHG Protocol supplies the world's most widely used greenhouse gas accounting standards. The Corporate Accounting and Reporting Standard provides the accounting platform for virtually every corporate GHG reporting program in the world.

Companies and Organizations

In 2016, 92% of Fortune 500 companies responding to the CDP used GHG Protocol directly or indirectly through a program based on GHG Protocol.

Countries and Cities

Through their commitment to the Compact of Mayors, hundreds of cities across the globe have committed to using the GHG Protocol for Cities. The GHG Protocol also work with partners in key countries to develop national GHG emissions programs based on the GHG Protocol.

The database

Our data in numbers:

48k+
emission calculations

300+
global regions

31
sources of data



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