

Greenhouse Gas Protocol Report

# Knowit

Assessment period: 2022

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# Assessment Details

## Consolidation Approach

Operational control

## Organisational Boundaries

Operations of Knowit

### Included

- Knowit
- Sverige
- Danmark
- Finland
- Norge
- Tyskland
- Polen

## Operational Boundary

- Air travel
- Bus and coach
- Cars
- Coffee and fruit
- District heating
- Electric two-wheelers
- Electricity
- Electricity consumption
- Employee owned cars
- Ferry
- Food
- Home working
- Hotel night stays
- IT Equipment
- Material use: construction
- Motorcycle
- Rail (train, tram, light rail, underground)
- Taxi
- Vans
- Walk & Bike

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# Table of Contents

Introduction	4
Data Quality and Availability	5
Assessment Summary for Knowit	7
Detailed Results	10
Detailed Summary by WBCSD/WRI Scope	10
<i>Location-Based methodology</i>	10
<i>Market-Based methodology</i>	14
Summary by Company Unit	20
<i>Location-Based methodology</i>	20
<i>Market-Based methodology</i>	21
Annual Activity Data	22
References	26
Assessment Summary for Sverige	28
Assessment Summary for Danmark	31
Assessment Summary for Finland	34
Assessment Summary for Norge	37
Assessment Summary for Tyskland	40
Assessment Summary for Polen	43

# Introduction

A greenhouse gas (GHG) emissions assessment quantifies the total greenhouse gases produced directly and indirectly from a business or organisation's activities. Also known as a carbon footprint, it is an essential tool, providing your business with a basis for understanding and managing its climate change impacts.

A GHG assessment quantifies all seven Kyoto greenhouse gases where applicable and is measured in units of carbon dioxide equivalence, or CO<sub>2</sub>e<sup>1</sup>. The seven Kyoto gases are carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), hydrofluorocarbons (HFCs), nitrogen trifluoride (NF<sub>3</sub>), sulphur hexafluoride (SF<sub>6</sub>) and perfluorocarbons (PFCs). The global warming potential (GWP) of each gas is illustrated in the Table 1.

**Table 1. GWP of Kyoto Gases (IPCC 2013, without climate-carbon feedback)**

Greenhouse Gas	GWP
Carbon dioxide (CO <sub>2</sub> )	1
Methane (CH <sub>4</sub> )	28
Nitrous oxide (N <sub>2</sub> O)	265
Hydrofluorocarbons (HFCs)	1 - 12,400
Perfluorocarbons (PFCs)	1 - 11,100
Nitrogen trifluoride (NF <sub>3</sub> )	16,100
Sulphur hexafluoride (SF <sub>6</sub> )	23,500

This assessment has been carried out in accordance with the World Business Council for Sustainable Development and World Resources Institute's (WBCSD/WRI) Greenhouse Gas Protocol; a Corporate Accounting and Reporting Standard, including the GHG Protocol Scope 2 Guidance. This protocol is considered current best practice for corporate or organisational greenhouse gas emissions reporting. GHG emissions have been reported by the three WBCSD/WRI Scopes.

Scope 1 includes direct GHG emissions from sources that are owned or controlled by the company such as natural gas combustion and company owned vehicles.

Scope 2 accounts for GHG emissions from the generation of purchased electricity, heat and steam generated off-site. As the subject of this assessment operates in markets which offer contractual instruments with product or supplier-specific data, scope 2 emissions are reported using both the location-based method and the market-based method. The location-based method applies average emission factors that correspond to the grid where consumption occurs, whereas the market-based method applies emission factors that correspond to energy purchased (or not purchased) through contractual instruments. Contractual instruments include energy attribute certificates, direct energy contracts, and supplier specific emission rates. The subject of this assessment has ensured that any contractual instruments used in the market-based method have met the Scope 2 Quality Criteria, as defined in the Guidance. Where contractual instruments do not meet the Quality Criteria, or where contractual instruments were not purchased, market-based scope 2 emissions have been calculated using residual mix emission factors. Where residual mix emission factors are not available, market-based scope 2 emissions have been calculated using default location grid-average emission factors, per the Protocol hierarchy. This may result in double counting between electricity consumers, as an adjusted emission factor taking into account voluntary purchases of electricity with specific attributes was not available.

Scope 3 includes all other indirect emissions such as waste disposal, business travel and staff commuting. Reporting of these activities is optional under the WBCSD/WRI GHG Protocol, but as they can contribute a significant portion of overall emissions Zeromission recommends they are reported where applicable.

A GHG assessment is an essential tool in the process of monitoring and reducing an organisation's climate change impact as it allows reduction targets to be set and action plans formulated. GHG assessment results can also allow organisations to be transparent about their climate change impacts through reporting of GHG emissions to customers, shareholders, employees and other stakeholders. Regular assessments allow clients to track their progress in achieving reductions over time and provide evidence to support green claims in external marketing initiatives such as product labelling or CSR reporting. Zeromission GHG assessments are designed to be transparent, consistent and repeatable over time.

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<sup>1</sup> Carbon dioxide equivalent or CO<sub>2</sub>e is a term for describing different greenhouse gases in a common unit. For any quantity and type of greenhouse gas, CO<sub>2</sub>e signifies the amount of CO<sub>2</sub> which would have the equivalent global warming impact.

# Data Quality and Availability

In order to provide the most accurate estimate of an organisation's GHG emissions, primary (actual) data should be used where it is available, up to date and geographically relevant. Secondary data in the form of estimates, extrapolations and industry averages may be used when primary data is not available. Table 2 details the quality of data submitted for this assessment with the key assumptions used stated below.

## Data Quality Overview



Location-based Accuracy Overview		
Accuracy Overview	tCO <sub>2</sub> e/year	%
Actual	1,997	35.1
Estimated	3,693	64.9
<b>Total</b>	<b>5,690</b>	<b>100</b>



Market-based Accuracy Overview		
Accuracy Overview	tCO <sub>2</sub> e/year	%
Actual	2,333	38.6
Estimated	3,718	61.4
<b>Total</b>	<b>6,051</b>	<b>100</b>

**Table 2. Data Quality and Availability**

Source of emissions	Data quality
<b>Business Travel</b>	
Air travel	Estimated
Bus and coach	Estimated
Cars	Estimated
Electric two-wheelers	Mixed
Employee owned cars	Estimated
Ferry	Actual
Hired cars	Actual
Hotel night stays	Estimated
Motorcycle	Mixed
Rail (train, tram, light rail, underground)	Estimated
Taxi	Estimated
Walk & Bike	Mixed
<b>Commuting</b>	
Bus and coach	Estimated
Cars	Estimated

Electric two-wheelers	Mixed
Employee owned cars	Estimated
Motorcycle	Estimated
Rail (train, tram, light rail, underground)	Estimated
Walk & Bike	Estimated
<b>Homeworkers</b>	
Home working	Actual
<b>Electricity and Heating</b>	
District heating	Mixed
Electricity	Actual
Electricity consumption	Actual
Refrigerant gas loss and other fugitive emissions	Actual
<b>Food</b>	
Coffee and fruit	Actual
Food	Mixed
<b>Hosted servers</b>	
Electricity consumption	Mixed
<b>Waste</b>	
Incinerated waste treatment	Mixed
Recycled waste treatment	Mixed
Road freight, shared vehicle (tonne.km factors)	Mixed
<b>Transport</b>	
Road freight, shared vehicle (tonne.km factors)	Actual
Vans	Actual
<b>Conferences</b>	
Air travel	Actual
Bus and coach	Actual
Cars	Actual
Ferry	Actual
Hotel night stays	Actual
Rail (train, tram, light rail, underground)	Actual
Taxi	Actual
<b>Materials purchased</b>	
IT Equipment	Estimated
Material use: construction	Estimated
<b>Business travel - External</b>	
Bus and coach	Actual
Vans	Estimated

# Assessment Summary for Knowit

Gross Overall Emissions (location-based): 5,690 tCO<sub>2</sub>e

Gross Overall Emissions (market-based): 6,051 tCO<sub>2</sub>e

## Key Performance Indicators

Absolute GHG emissions will vary over time and often correspond to the expansion or contraction of an organisation. It is useful therefore to use reporting metrics that take these effects into account and monitor relative GHG emissions intensity. A common emissions intensity metric is tonnes of CO<sub>2</sub>e per full time equivalent. This has been calculated, along with other relevant metrics, in the table below:

Data	KPI
3,961 Full Time Equivalent Employees	1.44 tCO <sub>2</sub> e per Full Time Equivalent Employee (Location-Based)
6,834,000 Turnover (KSEK)	8.33e-4 tCO <sub>2</sub> e per Turnover (KSEK) (Location-Based)
3,961 Full Time Equivalent Employees	1.53 tCO <sub>2</sub> e per Full Time Equivalent Employee (Market-Based)
6,834,000 Turnover (KSEK)	8.85e-4 tCO <sub>2</sub> e per Turnover (KSEK) (Market-Based)

## Summary by Activity (Location-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Materials purchased	1,868	32.8
Business Travel	1,182	20.8
Electricity and Heating	906	15.9
Conferences	759	13.3
Commuting	635	11.2
Food	241	4.23
Homeworkers	71.7	1.26
Hosted servers	14.6	0.257
Business travel - External	12.6	0.221
<b>Total</b>	<b>5,690</b>	<b>100</b>

## Summary by Activity (Market-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Materials purchased	1,868	30.9
Electricity and Heating	1,233	20.4
Business Travel	1,182	19.5
Conferences	759	12.5
Commuting	635	10.5
Food	241	3.98
Homeworkers	71.7	1.19
Hosted servers	49.2	0.813
Business travel - External	12.6	0.208
<b>Total</b>	<b>6,051</b>	<b>100</b>

Summary by WBCSD/WRI Scope (Location-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Scope 1	65.6	1.15
Scope 2	698	12.3
Scope 3	4,927	86.6
<b>Total</b>	<b>5,690</b>	<b>100</b>

Summary by WBCSD/WRI Scope (Market-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Scope 1	65.6	1.08
Scope 2	1,054	17.4
Scope 3	4,931	81.5
<b>Total</b>	<b>6,051</b>	<b>100</b>

Summary by Greenhouse Gas

Greenhouse Gas	GWP	tGHG/year (Location-Based)	tCO <sub>2</sub> e/year (Location-Based)	tGHG/year (Market-Based)	tCO <sub>2</sub> e/year (Market-Based)
CO <sub>2</sub>	1	2,868	2,868	3,256	3,256
CH <sub>4</sub>	28	0.146	4.09	0.134	3.75
N <sub>2</sub> O	265	0.0498	13.2	0.0448	11.9
Biogenic CO <sub>2</sub>	0	2.51	0	2.51	0
CO <sub>2</sub> e	1	2,805	2,805	2,780	2,780
<b>Total</b>			<b>5,690</b>		<b>6,051</b>



# Summary of Scope 2 Market-Based Method for Knowit

## Energy Consumed and Emissions By Factor Type In Scope 2 Market-Based Method

Scope 2 Market-Based Energy



Scope 2 Market-Based Emissions



Emission Factor Type	Energy		Market-Based Emissions	
	MWh	%	tCO <sub>2</sub> e	%
Client-supplied market-based instrument	3,523	37.2	0.365	0.0346
Residual mix factors	1,783	18.8	683	64.8
Default location-based factors	4,167	44	371	35.2
Total	9,474	100	1,054	100

# Detailed Results

## Detailed Summary by WBCSD/WRI Scope

### Location-Based methodology

Source of Emissions	tCO <sub>2</sub> /yr	tCH <sub>4</sub> /yr	tN <sub>2</sub> O/yr	Total Emissions (tCO <sub>2</sub> e/yr)	%
<b>Scope 1 Total</b>	<b>65.1</b>	<b>0.00301</b>	<b>0.00135</b>	<b>65.6</b>	<b>1.15%</b>
Business Travel Total	41.5	0.00172	9.01e-4	41.8	0.734%
Cars	41.5	0.00172	9.01e-4	41.8	0.734%
Commuting Total	23.7	0.00129	4.47e-4	23.9	0.419%
Cars	23.7	0.00129	4.47e-4	23.9	0.419%
<b>Scope 2 Total</b>	<b>549</b>	<b>0.0693</b>	<b>0.00747</b>	<b>698</b>	<b>12.3%</b>
Electricity and Heating Total	549	0.0693	0.00747	698	12.3%
District heating	224	0.0577	0.00258	371	6.52%
Electricity	311	0.00819	0.00441	312	5.49%
Electricity consumption	14.5	0.00335	4.76e-4	14.8	0.259%
<b>Scope 3 Total</b>	<b>2,254</b>	<b>0.0738</b>	<b>0.041</b>	<b>4,927</b>	<b>86.6%</b>
Business Travel Total	993	0.0258	0.0162	1,140	20%
Air travel	697	0.00628	0.0111	700	12.3%
Air travel: Flights, long-haul, average, upstream emissions	0	0	0	21.6	0.379%
Air travel: Flights, medium-haul, average, upstream emissions	0	0	0	14	0.247%
Air travel: Flights, short-haul, upstream emissions	0	0	0	37.2	0.654%
Bus and coach	32.3	1.35e-4	9.29e-4	32.6	0.572%
Bus and coach: Average bus, upstream emissions	0	0	0	8.43	0.148%
Cars	0.0927	1.4e-5	2.32e-6	0.0937	0.00165%
Cars: Average LPG car, upstream emissions	0	0	0	0.00372	6.55e-5%
Cars: Average diesel car, upstream emissions	0	0	0	4.1	0.072%
Cars: Average petrol car, upstream emissions	0	0	0	0.444	0.0078%
Cars: Average petrol hybrid car, upstream emissions	0	0	0	5.92	0.104%
Cars: Electricity - transmission & distribution losses (MCR)	0.00474	8.3e-7	1.3e-7	0.0048	8.44e-5%
Cars: Electricity grid, T&D losses, upstream emissions	0	0	0	0.00202	3.56e-5%
Cars: Electricity grid, generated, upstream emissions	0	0	0	0.035	6.15e-4%
Electric two-wheelers	0.00794	6.99e-7	1.54e-7	0.008	1.41e-4%
Electric two-wheelers: Electricity - transmission & distribution losses (MCR)	4.43e-4	4.19e-8	8.86e-9	4.47e-4	7.85e-6%
Electric two-wheelers: Electricity grid, T&D losses, upstream emissions	0	0	0	1.72e-4	3.02e-6%
Electric two-wheelers: Electricity grid, generated, upstream emissions	0	0	0	0.00272	4.78e-5%

Employee owned cars	172	0.00818	0.00325	173	3.05%
Employee owned cars: Average LPG car, upstream emissions	0	0	0	4.7	0.0825%
Employee owned cars: Average diesel car, upstream emissions	0	0	0	13.1	0.23%
Employee owned cars: Average petrol car, upstream emissions	0	0	0	18.7	0.329%
Employee owned cars: Average petrol hybrid car, upstream emissions	0	0	0	4.9	0.0862%
Employee owned cars: Electricity - transmission & distribution losses (MCR)	0.00521	9.15e-7	1.43e-7	0.00527	9.27e-5%
Employee owned cars: Electricity grid, T&D losses, upstream emissions	0	0	0	0.00346	6.07e-5%
Employee owned cars: Electricity grid, generated, upstream emissions	0	0	0	0.0519	9.12e-4%
Employee owned cars: HVO 100, Upstream	0	0	0	0.0259	4.55e-4%
Hotel night stays	55.4	0.00454	2.04e-4	55.5	0.976%
Motorcycle	1.94	0.00208	3.38e-5	2.01	0.0352%
Motorcycle: Average petrol motorcycle, upstream emissions	0	0	0	0.53	0.00932%
Rail (train, tram, light rail, underground)	28.9	0.00449	6.16e-4	29.2	0.513%
Rail (train, tram, light rail, underground): Light rail, upstream emissions	1.5	1.01e-4	1.32e-5	9.11	0.16%
Taxi	4.02	3.23e-6	1.23e-4	4.06	0.0713%
Taxi: Regular taxi, upstream emissions	0	0	0	0.805	0.0141%
Walk & Bike	0	0	0	0	0%
<b>Business travel - External Total</b>	<b>9.81</b>	<b>3.38e-5</b>	<b>2.76e-4</b>	<b>12.6</b>	<b>0.221%</b>
Bus and coach	6.87	2.87e-5	1.97e-4	7.04	0.124%
Bus and coach: Average bus, upstream emissions	0	0	0	1.82	0.0319%
Vans	2.94	5.14e-6	7.85e-5	2.97	0.0521%
Vans: Average van, upstream emissions	0	0	0	0.758	0.0133%
<b>Commuting Total</b>	<b>469</b>	<b>0.0323</b>	<b>0.0129</b>	<b>611</b>	<b>10.7%</b>
Bus and coach	71.4	2.98e-4	0.00205	71.9	1.26%
Bus and coach: Average bus, upstream emissions	0	0	0	18.6	0.327%
Cars	0.869	3.75e-5	1.3e-5	0.874	0.0154%
Cars: Average LPG car, upstream emissions	0	0	0	0.0248	4.36e-4%
Cars: Average diesel car, upstream emissions	0	0	0	1.72	0.0302%
Cars: Average petrol car, upstream emissions	0	0	0	0.9	0.0158%
Cars: Average petrol hybrid car, upstream emissions	0	0	0	3.5	0.0616%
Cars: Electricity - transmission & distribution losses (MCR)	0.0432	2.01e-6	6.61e-7	0.0434	7.63e-4%
Cars: Electricity grid, T&D losses, upstream emissions	0	0	0	0.0163	2.86e-4%
Cars: Electricity grid, generated, upstream emissions	0	0	0	0.301	0.00528%
Cars: HVO 100, Upstream	0	0	0	0.0175	3.07e-4%
Electric two-wheelers	0.0708	4.22e-6	1.24e-6	0.0712	0.00125%

Electric two-wheelers: Electricity - transmission & distribution losses (MCR)	0.00355	1.96e-7	6.07e-8	0.00357	6.27e-5%
Electric two-wheelers: Electricity grid, T&D losses, upstream emissions	0	0	0	0.00192	3.37e-5%
Electric two-wheelers: Electricity grid, generated, upstream emissions	0	0	0	0.0293	5.15e-4%
Employee owned cars	349	0.0211	0.00985	352	6.19%
Employee owned cars: Average LPG car, upstream emissions	0	0	0	0.171	0.00301%
Employee owned cars: Average diesel car, upstream emissions	0	0	0	46.7	0.821%
Employee owned cars: Average petrol car, upstream emissions	0	0	0	45.9	0.807%
Employee owned cars: Average petrol hybrid car, upstream emissions	0	0	0	7.15	0.126%
Employee owned cars: Electricity - transmission & distribution losses (MCR)	0.0387	4.62e-6	7.59e-7	0.039	6.85e-4%
Employee owned cars: Electricity grid, T&D losses, upstream emissions	0	0	0	0.0337	5.93e-4%
Employee owned cars: Electricity grid, generated, upstream emissions	0	0	0	0.479	0.00842%
Employee owned cars: HVO 100, Upstream	0	0	0	0.00959	1.68e-4%
Motorcycle	5.26	0.00449	9.18e-5	5.41	0.0951%
Motorcycle: Average petrol motorcycle, upstream emissions	0	0	0	1.46	0.0256%
Rail (train, tram, light rail, underground)	39.2	0.00609	8.36e-4	39.6	0.696%
Rail (train, tram, light rail, underground): Light rail, upstream emissions	3.63	2.45e-4	3.19e-5	14	0.245%
Walk & Bike	0	0	0	0	0%
<b>Conferences Total</b>	<b>687</b>	<b>0.00997</b>	<b>0.0103</b>	<b>759</b>	<b>13.3%</b>
Air travel	554	0.00184	0.00879	556	9.77%
Air travel: Flights, long-haul, average, upstream emissions	0	0	0	4.11	0.0722%
Air travel: Flights, medium-haul, average, upstream emissions	0	0	0	49.9	0.877%
Air travel: Flights, short-haul, upstream emissions	0	0	0	3.89	0.0683%
Bus and coach	27.7	1.16e-4	7.98e-4	28	0.491%
Bus and coach: Average bus, upstream emissions	0	0	0	7.23	0.127%
Cars	5.46	1.72e-7	2.44e-8	5.46	0.096%
Cars: BENSIN SVERIGE, Upstream	0	0	0	1.53	0.027%
Cars: Electricity - transmission & distribution losses (MCR)	4.63e-5	1.07e-8	1.52e-9	4.7e-5	8.26e-7%
Cars: Electricity grid, T&D losses, upstream emissions	0	0	0	1.75e-5	3.07e-7%
Cars: Electricity grid, generated, upstream emissions	0	0	0	2.11e-4	3.71e-6%
Ferry	7.54	8.94e-5	3.45e-4	7.64	0.134%
Ferry: Ferry, average passenger, upstream emissions	0	0	0	1.72	0.0302%

Hotel night stays	88	0.0077	2.48e-4	88.3	1.55%
Rail (train, tram, light rail, underground)	1.21	2.19e-4	2.75e-5	1.22	0.0214%
Rail (train, tram, light rail, underground): Eurostar, upstream emissions	0	0	0	0.317	0.00558%
Taxi	3.12	2.5e-6	9.53e-5	3.14	0.0552%
Taxi: Regular taxi, upstream emissions	0	0	0	0.52	0.00914%
<b>Electricity and Heating Total</b>	<b>28.1</b>	<b>0.00376</b>	<b>3.83e-4</b>	<b>208</b>	<b>3.66%</b>
District heating: District Heating (Göteborg. Partille. Ale, Sweden), upstream emissions	0	0	0	4.71	0.0827%
District heating: District Heating, Affärsverken Karlskrona AB, Karlskrona, upstream emissions	0	0	0	0.077	0.00135%
District heating: District Heating, Borlänge Energi AB, Ornäs, upstream emissions	0	0	0	1.03	0.0182%
District heating: District Heating, Gävle Energi AB, Gävle, upstream emissions	0	0	0	0.095	0.00167%
District heating: District Heating, Jämtkraft AB, Östersund, upstream emissions	0	0	0	0.783	0.0138%
District heating: District Heating, Jönköping Energi AB, Jönköping, upstream emissions	0	0	0	0.389	0.00683%
District heating: District Heating, Karlstads Energi AB, Karlstad, upstream emissions	0	0	0	0.292	0.00513%
District heating: District Heating, Luleå Energi AB, Luleå, upstream emissions	0	0	0	0.0642	0.00113%
District heating: District Heating, Norrenergi AB, Sundbyberg-Solna, upstream emissions	0	0	0	1	0.0176%
District heating: District Heating, Stockholm Exergi AB, Stockholm, upstream emissions	0	0	0	2.66	0.0468%
District heating: District Heating, Sundsvall Energi AB, upstream emissions	0	0	0	0.703	0.0124%
District heating: District Heating, Tekniska Verken i Linköping AB, Linköping, upstream emissions	0	0	0	1.14	0.02%
District heating: District Heating, Umeå Energi AB, Umeå, upstream emissions	0	0	0	0.216	0.00379%
District heating: District Heating, Vattenfall AB, Uppsala, upstream emissions	0	0	0	0.186	0.00327%
District heating: District Heating, Öresundskraft AB, Helsingborg, upstream emissions	0	0	0	0.0856	0.0015%
District heating: District heating (EON - Hallsberg-Örebro-Kumla, Sweden), upstream emissions	0	0	0	0.158	0.00277%
District heating: District heating (EON - Malmö-Burlöv, Sweden), upstream emissions	0	0	0	0.895	0.0157%
District heating: District heating, Krafringen, Eslov, Lomma & Lund, upstream emissions	0	0	0	0.124	0.00218%
District heating: District heating, Trollhattan Energi AB, upstream emissions	0	0	0	0.347	0.00609%
District heating: Heat/steam, good quality CHP: UK average - T&D losses, upstream emissions	0	0	0	2.2	0.0386%
District heating: Heat/steam, good quality CHP: UK average - transmission & distribution losses	11.8	0.00318	1.33e-4	11.9	0.209%

District heating: Heat/steam, good quality CHP: UK average, upstream emissions	0	0	0	41.8	0.734%
Electricity consumption: Electricity - transmission & distribution losses (MCR)	0.905	2.09e-4	2.96e-5	0.918	0.0161%
Electricity consumption: Electricity grid, T&D losses, upstream emissions	0	0	0	0.341	0.00599%
Electricity consumption: Electricity grid, generated, upstream emissions	0	0	0	4.13	0.0725%
Electricity: Electricity - transmission & distribution losses (MCR)	15.4	3.74e-4	2.19e-4	15.5	0.273%
Electricity: Electricity grid, T&D losses, upstream emissions	0	0	0	5.48	0.0963%
Electricity: Electricity grid, generated, upstream emissions	0	0	0	111	1.95%
<b>Food Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>241</b>	<b>4.23%</b>
Coffee and fruit	0	0	0	87.5	1.54%
Food	0	0	0	153	2.69%
<b>Homeworkers Total</b>	<b>55.3</b>	<b>0.00147</b>	<b>8.29e-4</b>	<b>71.7</b>	<b>1.26%</b>
Home working	52.4	0.00139	7.85e-4	52.6	0.925%
Home working: Electricity - transmission & distribution losses (MCR)	2.91	7.45e-5	4.36e-5	2.92	0.0513%
Home working: Electricity grid, T&D losses, upstream emissions	0	0	0	0.907	0.0159%
Home working: Electricity grid, generated, upstream emissions	0	0	0	15.2	0.268%
<b>Hosted servers Total</b>	<b>11.7</b>	<b>4.56e-4</b>	<b>9.66e-5</b>	<b>14.6</b>	<b>0.257%</b>
Electricity consumption	10.9	4.27e-4	9.02e-5	10.9	0.192%
Electricity consumption: Electricity - transmission & distribution losses (MCR)	0.756	2.96e-5	6.35e-6	0.759	0.0133%
Electricity consumption: Electricity grid, T&D losses, upstream emissions	0	0	0	0.222	0.00391%
Electricity consumption: Electricity grid, generated, upstream emissions	0	0	0	2.7	0.0474%
<b>Materials purchased Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,868</b>	<b>32.8%</b>
IT Equipment	0	0	0	771	13.5%
Material use: construction	0	0	0	1,098	19.3%
<b>Total</b>	<b>2,868</b>	<b>0.146</b>	<b>0.0498</b>	<b>5,690</b>	<b>100%</b>

### Market-Based methodology

Source of Emissions	tCO <sub>2</sub> /yr	tCH <sub>4</sub> /yr	tN <sub>2</sub> O/yr	Total Emissions (tCO <sub>2</sub> e/yr)	%
<b>Scope 1 Total</b>	<b>65.1</b>	<b>0.00301</b>	<b>0.00135</b>	<b>65.6</b>	<b>1.08%</b>
Business Travel Total	41.5	0.00172	9.01e-4	41.8	0.69%
Cars	41.5	0.00172	9.01e-4	41.8	0.69%
Commuting Total	23.7	0.00129	4.47e-4	23.9	0.394%

Cars	23.7	0.00129	4.47e-4	23.9	0.394%
<b>Scope 2 Total</b>	<b>907</b>	<b>0.0577</b>	<b>0.00258</b>	<b>1,054</b>	<b>17.4%</b>
Electricity and Heating Total	907	0.0577	0.00258	1,054	17.4%
District heating	224	0.0577	0.00258	371	6.13%
Electricity	640	0	0	641	10.6%
Electricity consumption	42.6	0	0	42.7	0.705%
<b>Scope 3 Total</b>	<b>2,284</b>	<b>0.0731</b>	<b>0.0408</b>	<b>4,931</b>	<b>81.5%</b>
Business Travel Total	993	0.0258	0.0162	1,140	18.8%
Air travel	697	0.00628	0.0111	700	11.6%
Air travel: Flights, long-haul, average, upstream emissions	0	0	0	21.6	0.356%
Air travel: Flights, medium-haul, average, upstream emissions	0	0	0	14	0.232%
Air travel: Flights, short-haul, upstream emissions	0	0	0	37.2	0.615%
Bus and coach	32.3	1.35e-4	9.29e-4	32.6	0.538%
Bus and coach: Average bus, upstream emissions	0	0	0	8.43	0.139%
Cars	0.0927	1.4e-5	2.32e-6	0.0937	0.00155%
Cars: Average LPG car, upstream emissions	0	0	0	0.00372	6.16e-5%
Cars: Average diesel car, upstream emissions	0	0	0	4.1	0.0677%
Cars: Average petrol car, upstream emissions	0	0	0	0.444	0.00734%
Cars: Average petrol hybrid car, upstream emissions	0	0	0	5.92	0.0978%
Cars: Electricity - transmission & distribution losses (MCR)	0.00474	8.3e-7	1.3e-7	0.0048	7.93e-5%
Cars: Electricity grid, T&D losses, upstream emissions	0	0	0	0.00202	3.35e-5%
Cars: Electricity grid, generated, upstream emissions	0	0	0	0.035	5.79e-4%
Electric two-wheelers	0.00794	6.99e-7	1.54e-7	0.008	1.32e-4%
Electric two-wheelers: Electricity - transmission & distribution losses (MCR)	4.43e-4	4.19e-8	8.86e-9	4.47e-4	7.38e-6%
Electric two-wheelers: Electricity grid, T&D losses, upstream emissions	0	0	0	1.72e-4	2.84e-6%
Electric two-wheelers: Electricity grid, generated, upstream emissions	0	0	0	0.00272	4.49e-5%
Employee owned cars	172	0.00818	0.00325	173	2.86%
Employee owned cars: Average LPG car, upstream emissions	0	0	0	4.7	0.0776%
Employee owned cars: Average diesel car, upstream emissions	0	0	0	13.1	0.216%
Employee owned cars: Average petrol car, upstream emissions	0	0	0	18.7	0.309%
Employee owned cars: Average petrol hybrid car, upstream emissions	0	0	0	4.9	0.081%
Employee owned cars: Electricity - transmission & distribution losses (MCR)	0.00521	9.15e-7	1.43e-7	0.00527	8.71e-5%
Employee owned cars: Electricity grid, T&D losses, upstream emissions	0	0	0	0.00346	5.71e-5%

Employee owned cars: Electricity grid, generated, upstream emissions	0	0	0	0.0519	8.58e-4%
Employee owned cars: HVO 100, Upstream	0	0	0	0.0259	4.28e-4%
Hotel night stays	55.4	0.00454	2.04e-4	55.5	0.918%
Motorcycle	1.94	0.00208	3.38e-5	2.01	0.0331%
Motorcycle: Average petrol motorcycle, upstream emissions	0	0	0	0.53	0.00876%
Rail (train, tram, light rail, underground)	28.9	0.00449	6.16e-4	29.2	0.482%
Rail (train, tram, light rail, underground): Light rail, upstream emissions	1.5	1.01e-4	1.32e-5	9.11	0.151%
Taxi	4.02	3.23e-6	1.23e-4	4.06	0.067%
Taxi: Regular taxi, upstream emissions	0	0	0	0.805	0.0133%
Walk & Bike	0	0	0	0	0%
<b>Business travel - External Total</b>	<b>9.81</b>	<b>3.38e-5</b>	<b>2.76e-4</b>	<b>12.6</b>	<b>0.208%</b>
Bus and coach	6.87	2.87e-5	1.97e-4	7.04	0.116%
Bus and coach: Average bus, upstream emissions	0	0	0	1.82	0.03%
Vans	2.94	5.14e-6	7.85e-5	2.97	0.049%
Vans: Average van, upstream emissions	0	0	0	0.758	0.0125%
<b>Commuting Total</b>	<b>469</b>	<b>0.0323</b>	<b>0.0129</b>	<b>611</b>	<b>10.1%</b>
Bus and coach	71.4	2.98e-4	0.00205	71.9	1.19%
Bus and coach: Average bus, upstream emissions	0	0	0	18.6	0.307%
Cars	0.869	3.75e-5	1.3e-5	0.874	0.0144%
Cars: Average LPG car, upstream emissions	0	0	0	0.0248	4.1e-4%
Cars: Average diesel car, upstream emissions	0	0	0	1.72	0.0284%
Cars: Average petrol car, upstream emissions	0	0	0	0.9	0.0149%
Cars: Average petrol hybrid car, upstream emissions	0	0	0	3.5	0.0579%
Cars: Electricity - transmission & distribution losses (MCR)	0.0432	2.01e-6	6.61e-7	0.0434	7.18e-4%
Cars: Electricity grid, T&D losses, upstream emissions	0	0	0	0.0163	2.69e-4%
Cars: Electricity grid, generated, upstream emissions	0	0	0	0.301	0.00497%
Cars: HVO 100, Upstream	0	0	0	0.0175	2.89e-4%
Electric two-wheelers	0.0708	4.22e-6	1.24e-6	0.0712	0.00118%
Electric two-wheelers: Electricity - transmission & distribution losses (MCR)	0.00355	1.96e-7	6.07e-8	0.00357	5.89e-5%
Electric two-wheelers: Electricity grid, T&D losses, upstream emissions	0	0	0	0.00192	3.17e-5%
Electric two-wheelers: Electricity grid, generated, upstream emissions	0	0	0	0.0293	4.84e-4%
Employee owned cars	349	0.0211	0.00985	352	5.82%
Employee owned cars: Average LPG car, upstream emissions	0	0	0	0.171	0.00283%
Employee owned cars: Average diesel car, upstream emissions	0	0	0	46.7	0.772%
Employee owned cars: Average petrol car, upstream emissions	0	0	0	45.9	0.759%



Employee owned cars: Average petrol hybrid car, upstream emissions	0	0	0	7.15	0.118%
Employee owned cars: Electricity - transmission & distribution losses (MCR)	0.0387	4.62e-6	7.59e-7	0.039	6.44e-4%
Employee owned cars: Electricity grid, T&D losses, upstream emissions	0	0	0	0.0337	5.57e-4%
Employee owned cars: Electricity grid, generated, upstream emissions	0	0	0	0.479	0.00792%
Employee owned cars: HVO 100, Upstream	0	0	0	0.00959	1.58e-4%
Motorcycle	5.26	0.00449	9.18e-5	5.41	0.0894%
Motorcycle: Average petrol motorcycle, upstream emissions	0	0	0	1.46	0.0241%
Rail (train, tram, light rail, underground)	39.2	0.00609	8.36e-4	39.6	0.654%
Rail (train, tram, light rail, underground): Light rail, upstream emissions	3.63	2.45e-4	3.19e-5	14	0.231%
Walk & Bike	0	0	0	0	0%
<b>Conferences Total</b>	<b>687</b>	<b>0.00997</b>	<b>0.0103</b>	<b>759</b>	<b>12.5%</b>
Air travel	554	0.00184	0.00879	556	9.19%
Air travel: Flights, long-haul, average, upstream emissions	0	0	0	4.11	0.0679%
Air travel: Flights, medium-haul, average, upstream emissions	0	0	0	49.9	0.824%
Air travel: Flights, short-haul, upstream emissions	0	0	0	3.89	0.0642%
Bus and coach	27.7	1.16e-4	7.98e-4	28	0.462%
Bus and coach: Average bus, upstream emissions	0	0	0	7.23	0.12%
Cars	5.46	1.72e-7	2.44e-8	5.46	0.0902%
Cars: BENSIN SVERIGE, Upstream	0	0	0	1.53	0.0254%
Cars: Electricity - transmission & distribution losses (MCR)	4.63e-5	1.07e-8	1.52e-9	4.7e-5	7.77e-7%
Cars: Electricity grid, T&D losses, upstream emissions	0	0	0	1.75e-5	2.89e-7%
Cars: Electricity grid, generated, upstream emissions	0	0	0	2.11e-4	3.49e-6%
Ferry	7.54	8.94e-5	3.45e-4	7.64	0.126%
Ferry: Ferry, average passenger, upstream emissions	0	0	0	1.72	0.0284%
Hotel night stays	88	0.0077	2.48e-4	88.3	1.46%
Rail (train, tram, light rail, underground)	1.21	2.19e-4	2.75e-5	1.22	0.0202%
Rail (train, tram, light rail, underground): Eurostar, upstream emissions	0	0	0	0.317	0.00524%
Taxi	3.12	2.5e-6	9.53e-5	3.14	0.0519%
Taxi: Regular taxi, upstream emissions	0	0	0	0.52	0.00859%
<b>Electricity and Heating Total</b>	<b>23.7</b>	<b>0.00343</b>	<b>3.06e-4</b>	<b>178</b>	<b>2.95%</b>
District heating: District Heating (Göteborg. Partille. Ale, Sweden), upstream emissions	0	0	0	4.71	0.0778%
District heating: District Heating, Affärsverken Karlskrona AB, Karlskrona, upstream emissions	0	0	0	0.077	0.00127%

District heating: District Heating, Borlänge Energi AB, Ornäs, upstream emissions	0	0	0	1.03	0.0171%
District heating: District Heating, Gävle Energi AB, Gävle, upstream emissions	0	0	0	0.095	0.00157%
District heating: District Heating, Jämtkraft AB, Östersund, upstream emissions	0	0	0	0.783	0.0129%
District heating: District Heating, Jönköping Energi AB, Jönköping, upstream emissions	0	0	0	0.389	0.00643%
District heating: District Heating, Karlstads Energi AB, Karlstad, upstream emissions	0	0	0	0.292	0.00483%
District heating: District Heating, Luleå Energi AB, Luleå, upstream emissions	0	0	0	0.0642	0.00106%
District heating: District Heating, Norrenergi AB, Sundbyberg-Solna, upstream emissions	0	0	0	1	0.0166%
District heating: District Heating, Stockholm Exergi AB, Stockholm, upstream emissions	0	0	0	2.66	0.044%
District heating: District Heating, Sundsvall Energi AB, upstream emissions	0	0	0	0.703	0.0116%
District heating: District Heating, Tekniska Verken i Linköping AB, Linköping, upstream emissions	0	0	0	1.14	0.0188%
District heating: District Heating, Umeå Energi AB, Umeå, upstream emissions	0	0	0	0.216	0.00356%
District heating: District Heating, Vattenfall AB, Uppsala, upstream emissions	0	0	0	0.186	0.00308%
District heating: District Heating, Öresundskraft AB, Helsingborg, upstream emissions	0	0	0	0.0856	0.00141%
District heating: District heating (EON - Hallsberg-Örebro-Kumla, Sweden), upstream emissions	0	0	0	0.158	0.00261%
District heating: District heating (EON - Malmö-Burlöv, Sweden), upstream emissions	0	0	0	0.895	0.0148%
District heating: District heating, Kraftringen, Eslov, Lomma & Lund, upstream emissions	0	0	0	0.124	0.00205%
District heating: District heating, Trollhattan Energi AB, upstream emissions	0	0	0	0.347	0.00573%
District heating: Heat/steam, good quality CHP: UK average - T&D losses, upstream emissions	0	0	0	2.2	0.0363%
District heating: Heat/steam, good quality CHP: UK average - transmission & distribution losses	11.8	0.00318	1.33e-4	11.9	0.197%
District heating: Heat/steam, good quality CHP: UK average, upstream emissions	0	0	0	41.8	0.691%
Electricity consumption: Electricity - transmission & distribution losses (MCR)	0.204	4.7e-5	6.67e-6	0.207	0.00342%
Electricity consumption: Electricity grid, T&D losses, upstream emissions	0	0	0	0.0769	0.00127%
Electricity consumption: Electricity grid, generated, upstream emissions	0	0	0	0.931	0.0154%
Electricity consumption: MBI Upstream Emissions	0	0	0	10.2	0.168%
Electricity: Electricity - transmission & distribution losses (MCR)	11.7	2.02e-4	1.66e-4	11.7	0.194%

Electricity: Electricity grid, T&D losses, upstream emissions	0	0	0	3.52	0.0581%
Electricity: Electricity grid, generated, upstream emissions	0	0	0	60.9	1.01%
Electricity: MBI Upstream Emissions	0	0	0	19.9	0.328%
<b>Food Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>241</b>	<b>3.98%</b>
Coffee and fruit	0	0	0	87.5	1.45%
Food	0	0	0	153	2.53%
<b>Homeworkers Total</b>	<b>55.3</b>	<b>0.00147</b>	<b>8.29e-4</b>	<b>71.7</b>	<b>1.19%</b>
Home working	52.4	0.00139	7.85e-4	52.6	0.87%
Home working: Electricity - transmission & distribution losses (MCR)	2.91	7.45e-5	4.36e-5	2.92	0.0483%
Home working: Electricity grid, T&D losses, upstream emissions	0	0	0	0.907	0.015%
Home working: Electricity grid, generated, upstream emissions	0	0	0	15.2	0.252%
<b>Hosted servers Total</b>	<b>46.3</b>	<b>2.96e-5</b>	<b>6.35e-6</b>	<b>49.2</b>	<b>0.813%</b>
Electricity consumption	45.5	0	0	45.5	0.752%
Electricity consumption: Electricity - transmission & distribution losses (MCR)	0.756	2.96e-5	6.35e-6	0.759	0.0125%
Electricity consumption: Electricity grid, T&D losses, upstream emissions	0	0	0	0.222	0.00367%
Electricity consumption: Electricity grid, generated, upstream emissions	0	0	0	2.7	0.0446%
<b>Materials purchased Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,868</b>	<b>30.9%</b>
IT Equipment	0	0	0	771	12.7%
Material use: construction	0	0	0	1,098	18.1%
<b>Total</b>	<b>3,256</b>	<b>0.134</b>	<b>0.0448</b>	<b>6,051</b>	<b>100%</b>

# Summary by Company Unit

Location-Based methodology

Assessment	2021		2022	
Company Unit	Total Emissions (tCO <sub>2</sub> e)	Emissions per FTE (tCO <sub>2</sub> e/FTE)	Total Emissions (tCO <sub>2</sub> e)	Emissions per FTE (tCO <sub>2</sub> e/FTE)
Knowit	3,242	0.901	5,690	1.44
Sverige	1,473	0.742	2,694	1.35
Danmark	196	1.75	363	1.29
Finland	344	0.921	650	1.46
Norge	743	0.863	1,261	1.35
Tyskland	27.8	3.35	58.8	5.25
Polen	447	1.74	649	2.23

## Market-Based methodology

Assessment	2021		2022	
Company Unit	Total Emissions (tCO <sub>2</sub> e)	Emissions per FTE (tCO <sub>2</sub> e/FTE)	Total Emissions (tCO <sub>2</sub> e)	Emissions per FTE (tCO <sub>2</sub> e/FTE)
Knowit	3,363	0.935	6,051	1.53
Sverige	1,519	0.765	2,728	1.36
Danmark	271	2.41	373	1.33
Finland	280	0.751	596	1.34
Norge	778	0.903	1,558	1.67
Tyskland	30.4	3.66	60.4	5.39
Polen	447	1.74	687	2.36

# Annual Activity Data

Source of Emissions	Value	Unit
<b>Business Travel</b>		
Air travel		
Long-haul, average class (RFI 2)	157	journey
Medium-haul, average class (RFI 2)	754	journey
Short-haul (RFI 2)	2,988	journey
Bus and coach		
Average bus	337,828	pass.km
Cars		
Average LPG car	159	km
Average battery electric car (not company owned)	47,112	km
Average diesel car	99,898	km
Average hybrid car	189,001	km
Average petrol car	9,089	km
Electric two-wheelers		
Electric bicycle	29,210	km
Employee owned cars		
Average HVO car	845	km
Average LPG car	200,773	km
Average battery electric car (not company owned)	50,070	km
Average diesel car	318,228	km
Average ethanol car (E85)	953	km
Average hybrid car	156,555	km
Average petrol car	383,319	km
Hotel night stays		
Hotel night stays	3,383	night
Motorcycle		
Average petrol motorcycle	16,920	km
Rail (train, tram, light rail, underground)		
Light rail/Tram	2,314,384	pass.km
Taxi		
Average taxi	19,495	km
Walk & Bike		
Bicycle	245,509	km
<b>Business travel - External</b>		
Bus and coach		
Average bus	72,800	pass.km
Vans		
Average van (unknown fuel)	12,850	km
<b>Commuting</b>		

<b>Bus and coach</b>		
Average bus	746,077	pass.km
<b>Cars</b>		
Average HVO car	570	km
Average LPG car	1,060	km
Average battery electric car (not company owned)	91,676	km
Average diesel car	41,934	km
Average ethanol car (E85)	831	km
Average hybrid car	111,894	km
Average petrol car	18,429	km
<b>Electric two-wheelers</b>		
Electric bicycle	111,616	km
<b>Employee owned cars</b>		
Average HVO car	312	km
Average LPG car	7,331	km
Average battery electric car (not company owned)	508,307	km
Average diesel car	1,138,553	km
Average ethanol car (E85)	7,401	km
Average hybrid car	228,416	km
Average petrol car	940,562	km
<b>Motorcycle</b>		
Average petrol motorcycle	46,462	km
<b>Rail (train, tram, light rail, underground)</b>		
Light rail/Tram	4,514,929	pass.km
<b>Walk &amp; Bike</b>		
Bicycle	729,321	km
<b>Conferences</b>		
<b>Air travel</b>		
Long-haul, average class (RFI 2)	30	journey
Medium-haul, average class (RFI 2)	2,678	journey
Short-haul (RFI 2)	312	journey
<b>Bus and coach</b>		
Average bus	290,020	pass.km
<b>Cars</b>		
Average Bensin Sverige car	42,630	km
Average battery electric car (not company owned)	600	km
<b>Ferry</b>		
Average ferry passenger	67,760	pass.km
<b>Hotel night stays</b>		
Hotel night stays	5,826	night
<b>Rail (train, tram, light rail, underground)</b>		
Eurostar	273,540	pass.km

<b>Taxi</b>		
Average taxi	15,100	km
<b>Electricity and Heating</b>		
<b>District heating</b>		
District Heating - Trollhättan Energi AB	540	m2
District Heating, Affärsverken Karlskrona AB, Karlskrona	120	m2
District Heating, Borlänge Energi AB, Ornäs	420	m2
District Heating, Gävle Energi AB, Gävle	296	m2
District Heating, Göteborg Energi AB, Göteborg, Partille och Ale (exkl. Bra Miljöval)	6,284	m2
District Heating, Jämtkraft AB, Östersund	1,220	m2
District Heating, Jönköping Energi AB, Jönköping	727	m2
District Heating, Karlstads Energi AB, Karlstad	546	m2
District Heating, Luleå Energi AB, Luleå	300	m2
District Heating, Norrenergi AB, Sundbyberg-Solna	2,344	m2
District Heating, Norway National Average	1	kWh
District Heating, Stockholm Exergi AB, Stockholm	6,223	m2
District Heating, Sundsvall Energi AB	1,095	m2
District Heating, Tekniska Verken i Linköping AB, Linköping	2,656	m2
District Heating, Umeå Energi AB, Umeå	336	m2
District Heating, Vattenfall AB, Uppsala	290	m2
District Heating, Öresundskraft AB, Helsingborg	200	m2
District heating (country default)	1	MWh
District heating (default)	21,020	m2
District heating EON Hallsberg-Örebro-Kumla	240	m2
District heating EON Malmö-Burlöv	2,440	m2
District heating, Krafringen, Eslov, Lomma & Lund	290	m2
<b>Electricity</b>		
Electricity consumption	137,875	kWh
Electricity consumption	941	m2
Electricity intensity, office (national average)	15,242	m2
<b>Electricity consumption</b>		
Electricity consumption (Nordic Market)	672,456	kWh
Electricity intensity, office (national average)	5,767	m2
<b>Food</b>		
<b>Coffee and fruit</b>		
Coffee and tea	11,757	kg
Mixed fruit	17,867	kg
<b>Food</b>		
Meal	33,564	kg
Portion non-veg (320 g)	41,657	portion
Portion veg (320 g)	30,930	portion



<b>Homeworkers</b>		
Home working		
Home working day - laptop and screen	431,252	Day
<b>Hosted servers</b>		
Electricity consumption		
Electricity consumption	34,812	kWh
Electricity consumption (Nordic Market)	69,000	kWh
<b>Materials purchased</b>		
IT Equipment		
Computer (excluding use-phase)	1,573	Units
Phone (including use phase)	1,460	Units
Screen (excluding use-phase)	711	Units
Tablet (excluding use phase)	99	Units
Material use: construction		
Emissions per conference room seat (new furniture)	249	work station
Emissions per conference room seat (reused furniture)	120	work station
Emissions per renovated square meter	4,809	m2
Emissions per workstation (new furniture)	454	work station
Emissions per workstation (reused furniture)	253	work station

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none - direct emissions entry

# Assessment Summary for Sverige

Gross Overall Emissions (location-based): 2,694 tCO<sub>2</sub>e

Gross Overall Emissions (market-based): 2,728 tCO<sub>2</sub>e

## Key Performance Indicators

Absolute GHG emissions will vary over time and often correspond to the expansion or contraction of an organisation. It is useful therefore to use reporting metrics that take these effects into account and monitor relative GHG emissions intensity. A common emissions intensity metric is tonnes of CO<sub>2</sub>e per full time equivalent. This has been calculated, along with other relevant metrics, in the table below:

Data	KPI
2,003 Full Time Equivalent Employees	1.35 tCO <sub>2</sub> e per Full Time Equivalent Employee (Location-Based)
2,003 Full Time Equivalent Employees	1.36 tCO <sub>2</sub> e per Full Time Equivalent Employee (Market-Based)

## Summary by Activity (Location-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Materials purchased	1,142	42.4
Business Travel	506	18.8
Conferences	463	17.2
Commuting	322	11.9
Electricity and Heating	180	6.67
Food	71.7	2.66
Business travel - External	7.17	0.266
Homeworkers	2.73	0.101
<b>Total</b>	<b>2,694</b>	<b>100</b>

## Summary by Activity (Market-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Materials purchased	1,142	41.9
Business Travel	506	18.6
Conferences	463	17
Commuting	322	11.8
Electricity and Heating	214	7.84
Food	71.7	2.63
Business travel - External	7.17	0.263
Homeworkers	2.73	0.1
<b>Total</b>	<b>2,728</b>	<b>100</b>

## Summary by WBCSD/WRI Scope (Location-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Scope 1	35.2	1.31
Scope 2	159	5.92
Scope 3	2,499	92.8
<b>Total</b>	<b>2,694</b>	<b>100</b>

#### Summary by WBCSD/WRI Scope (Market-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Scope 1	35.2	1.29
Scope 2	187	6.87
Scope 3	2,505	91.8
<b>Total</b>	<b>2,728</b>	<b>100</b>

#### Summary by Greenhouse Gas

Greenhouse Gas	GWP	tGHG/year (Location-Based)	tCO <sub>2</sub> e/year (Location-Based)	tGHG/year (Market-Based)	tCO <sub>2</sub> e/year (Market-Based)
CO <sub>2</sub>	1	1,132	1,132	1,159	1,159
CH <sub>4</sub>	28	0.0387	1.08	0.0352	0.985
N <sub>2</sub> O	265	0.0219	5.82	0.0215	5.68
Biogenic CO <sub>2</sub>	0	0.746	0	0.746	0
CO <sub>2</sub> e	1	1,555	1,555	1,562	1,562
<b>Total</b>			<b>2,694</b>		<b>2,728</b>

# Summary of Scope 2 Market-Based Method for Sverige

## Energy Consumed and Emissions By Factor Type In Scope 2 Market-Based Method

Scope 2 Market-Based Energy



Scope 2 Market-Based Emissions



Emission Factor Type	Energy		Market-Based Emissions	
	MWh	%	tCO <sub>2</sub> e	%
Client-supplied market-based instrument	1,298	28.7	0.0922	0.0492
Residual mix factors	378	8.36	42.6	22.7
Default location-based factors	2,842	62.9	145	77.2
Total	4,518	100	187	100

# Assessment Summary for Danmark

Gross Overall Emissions (location-based): 363 tCO<sub>2</sub>e

Gross Overall Emissions (market-based): 373 tCO<sub>2</sub>e

## Key Performance Indicators

Absolute GHG emissions will vary over time and often correspond to the expansion or contraction of an organisation. It is useful therefore to use reporting metrics that take these effects into account and monitor relative GHG emissions intensity. A common emissions intensity metric is tonnes of CO<sub>2</sub>e per full time equivalent. This has been calculated, along with other relevant metrics, in the table below:

Data	KPI
280 Full Time Equivalent Employees	1.29 tCO <sub>2</sub> e per Full Time Equivalent Employee (Location-Based)
280 Full Time Equivalent Employees	1.33 tCO <sub>2</sub> e per Full Time Equivalent Employee (Market-Based)

## Summary by Activity (Location-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Business Travel	98.6	27.2
Commuting	96.9	26.7
Materials purchased	63.4	17.5
Food	50.1	13.8
Electricity and Heating	34.4	9.49
Conferences	15.8	4.36
Homeworkers	2.45	0.675
Business travel - External	0.867	0.239
<b>Total</b>	<b>363</b>	<b>100</b>

## Summary by Activity (Market-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Business Travel	98.6	26.5
Commuting	96.9	26
Materials purchased	63.4	17
Food	50.1	13.4
Electricity and Heating	44.7	12
Conferences	15.8	4.24
Homeworkers	2.45	0.656
Business travel - External	0.867	0.232
<b>Total</b>	<b>373</b>	<b>100</b>

## Summary by WBCSD/WRI Scope (Location-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Scope 1	29.5	8.15
Scope 2	26.2	7.23
Scope 3	307	84.6
<b>Total</b>	<b>363</b>	<b>100</b>

Summary by WBCSD/WRI Scope (Market-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Scope 1	29.5	7.93
Scope 2	37.2	9.97
Scope 3	306	82.1
<b>Total</b>	<b>373</b>	<b>100</b>

Summary by Greenhouse Gas

Greenhouse Gas	GWP	tGHG/year (Location-Based)	tCO <sub>2</sub> e/year (Location-Based)	tGHG/year (Market-Based)	tCO <sub>2</sub> e/year (Market-Based)
CO <sub>2</sub>	1	201	201	212	212
CH <sub>4</sub>	28	0.0142	0.396	0.0139	0.388
N <sub>2</sub> O	265	0.00417	1.11	0.00411	1.09
CO <sub>2</sub> e	1	160	160	160	160
<b>Total</b>			<b>363</b>		<b>373</b>



# Summary of Scope 2 Market-Based Method for Danmark

## Energy Consumed and Emissions By Factor Type In Scope 2 Market-Based Method

Scope 2 Market-Based Energy



Scope 2 Market-Based Emissions



Emission Factor Type	Energy		Market-Based Emissions	
	MWh	%	tCO <sub>2</sub> e	%
Client-supplied market-based instrument	15	8.43	0.0063	0.0169
Residual mix factors	26	14.6	13.8	37.1
Default location-based factors	137	76.9	23.4	62.9
<b>Total</b>	<b>178</b>	<b>100</b>	<b>37.2</b>	<b>100</b>

# Assessment Summary for Finland

Gross Overall Emissions (location-based): 650 tCO<sub>2</sub>e

Gross Overall Emissions (market-based): 596 tCO<sub>2</sub>e

## Key Performance Indicators

Absolute GHG emissions will vary over time and often correspond to the expansion or contraction of an organisation. It is useful therefore to use reporting metrics that take these effects into account and monitor relative GHG emissions intensity. A common emissions intensity metric is tonnes of CO<sub>2</sub>e per full time equivalent. This has been calculated, along with other relevant metrics, in the table below:

Data	KPI
444 Full Time Equivalent Employees	1.46 tCO <sub>2</sub> e per Full Time Equivalent Employee (Location-Based)
444 Full Time Equivalent Employees	1.34 tCO <sub>2</sub> e per Full Time Equivalent Employee (Market-Based)

## Summary by Activity (Location-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Electricity and Heating	265	40.7
Materials purchased	155	23.8
Business Travel	90.8	14
Commuting	51.4	7.9
Food	40.5	6.22
Conferences	36.8	5.66
Homeworkers	9.23	1.42
Business travel - External	1.73	0.266
<b>Total</b>	<b>650</b>	<b>100</b>

## Summary by Activity (Market-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Electricity and Heating	211	35.4
Materials purchased	155	26
Business Travel	90.8	15.2
Commuting	51.4	8.62
Food	40.5	6.79
Conferences	36.8	6.17
Homeworkers	9.23	1.55
Business travel - External	1.73	0.291
<b>Total</b>	<b>596</b>	<b>100</b>

## Summary by WBCSD/WRI Scope (Location-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Scope 1	0.868	0.134
Scope 2	183	28.1
Scope 3	466	71.8
<b>Total</b>	<b>650</b>	<b>100</b>

#### Summary by WBCSD/WRI Scope (Market-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Scope 1	0.868	0.146
Scope 2	168	28.1
Scope 3	427	71.7
<b>Total</b>	<b>596</b>	<b>100</b>

#### Summary by Greenhouse Gas

Greenhouse Gas	GWP	tGHG/year (Location-Based)	tCO <sub>2</sub> e/year (Location-Based)	tGHG/year (Market-Based)	tCO <sub>2</sub> e/year (Market-Based)
CO <sub>2</sub>	1	348	348	330	330
CH <sub>4</sub>	28	0.0287	0.803	0.0239	0.669
N <sub>2</sub> O	265	0.00535	1.42	0.00359	0.952
Biogenic CO <sub>2</sub>	0	1.76	0	1.76	0
CO <sub>2</sub> e	1	300	300	264	264
<b>Total</b>			<b>650</b>		<b>596</b>

# Summary of Scope 2 Market-Based Method for Finland

## Energy Consumed and Emissions By Factor Type In Scope 2 Market-Based Method

Scope 2 Market-Based Energy



Scope 2 Market-Based Emissions



Emission Factor Type	Energy		Market-Based Emissions	
	MWh	%	tCO <sub>2</sub> e	%
Client-supplied market-based instrument	1,255	63.3	0.228	0.136
Residual mix factors	376	19	107	64
Default location-based factors	352	17.8	60.1	35.9
Total	1,983	100	168	100

# Assessment Summary for Norge

Gross Overall Emissions (location-based): 1,261 tCO<sub>2</sub>e

Gross Overall Emissions (market-based): 1,558 tCO<sub>2</sub>e

## Key Performance Indicators

Absolute GHG emissions will vary over time and often correspond to the expansion or contraction of an organisation. It is useful therefore to use reporting metrics that take these effects into account and monitor relative GHG emissions intensity. A common emissions intensity metric is tonnes of CO<sub>2</sub>e per full time equivalent. This has been calculated, along with other relevant metrics, in the table below:

Data	KPI
932 Full Time Equivalent Employees	1.35 tCO <sub>2</sub> e per Full Time Equivalent Employee (Location-Based)
932 Full Time Equivalent Employees	1.67 tCO <sub>2</sub> e per Full Time Equivalent Employee (Market-Based)

## Summary by Activity (Location-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Business Travel	422	33.5
Materials purchased	281	22.3
Conferences	219	17.4
Electricity and Heating	151	12
Commuting	117	9.28
Food	68.7	5.45
Business travel - External	1.57	0.124
Homeworkers	0.69	0.0547
<b>Total</b>	<b>1,261</b>	<b>100</b>

## Summary by Activity (Market-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Electricity and Heating	448	28.7
Business Travel	422	27.1
Materials purchased	281	18
Conferences	219	14.1
Commuting	117	7.51
Food	68.7	4.41
Business travel - External	1.57	0.101
Homeworkers	0.69	0.0443
<b>Total</b>	<b>1,558</b>	<b>100</b>

## Summary by WBCSD/WRI Scope (Location-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Scope 1	0.00167	1.33e-4
Scope 2	118	9.38
Scope 3	1,143	90.6
<b>Total</b>	<b>1,261</b>	<b>100</b>

Summary by WBCSD/WRI Scope (Market-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Scope 1	0.00167	1.07e-4
Scope 2	411	26.4
Scope 3	1,147	73.6
<b>Total</b>	<b>1,558</b>	<b>100</b>

Summary by Greenhouse Gas

Greenhouse Gas	GWP	tGHG/year (Location-Based)	tCO <sub>2</sub> e/year (Location-Based)	tGHG/year (Market-Based)	tCO <sub>2</sub> e/year (Market-Based)
CO <sub>2</sub>	1	793	793	1,086	1,086
CH <sub>4</sub>	28	0.0483	1.35	0.0472	1.32
N <sub>2</sub> O	265	0.0124	3.29	0.0123	3.25
CO <sub>2</sub> e	1	464	464	468	468
<b>Total</b>			<b>1,261</b>		<b>1,558</b>

# Summary of Scope 2 Market-Based Method for Norge

## Energy Consumed and Emissions By Factor Type In Scope 2 Market-Based Method

Scope 2 Market-Based Energy



Scope 2 Market-Based Emissions



Emission Factor Type	Energy		Market-Based Emissions	
	MWh	%	tCO <sub>2</sub> e	%
Client-supplied market-based instrument	955	40.8	0.0382	0.00928
Residual mix factors	747	31.9	302	73.5
Default location-based factors	639	27.3	109	26.5
Total	2,340	100	411	100

# Assessment Summary for Tyskland

Gross Overall Emissions (location-based): 58.8 tCO<sub>2</sub>e

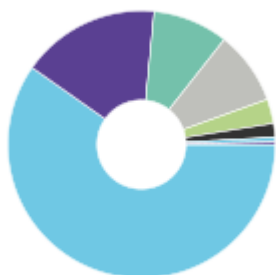
Gross Overall Emissions (market-based): 60.4 tCO<sub>2</sub>e

## Key Performance Indicators

Absolute GHG emissions will vary over time and often correspond to the expansion or contraction of an organisation. It is useful therefore to use reporting metrics that take these effects into account and monitor relative GHG emissions intensity. A common emissions intensity metric is tonnes of CO<sub>2</sub>e per full time equivalent. This has been calculated, along with other relevant metrics, in the table below:

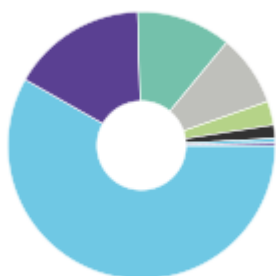
Data	KPI
11.2 Full Time Equivalent Employees	5.25 tCO <sub>2</sub> e per Full Time Equivalent Employee (Location-Based)
11.2 Full Time Equivalent Employees	5.39 tCO <sub>2</sub> e per Full Time Equivalent Employee (Market-Based)

## Summary by Activity (Location-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Materials purchased	35.2	59.8
Commuting	9.86	16.8
Electricity and Heating	5.37	9.12
Conferences	5.23	8.89
Business Travel	1.74	2.95
Food	0.98	1.67
Homeworkers	0.33	0.56
Business travel - External	0.177	0.3
<b>Total</b>	<b>58.8</b>	<b>100</b>

## Summary by Activity (Market-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Materials purchased	35.2	58.2
Commuting	9.86	16.3
Electricity and Heating	6.93	11.5
Conferences	5.23	8.66
Business Travel	1.74	2.88
Food	0.98	1.62
Homeworkers	0.33	0.546
Business travel - External	0.177	0.293
<b>Total</b>	<b>60.4</b>	<b>100</b>

## Summary by WBCSD/WRI Scope (Location-Based, tCO<sub>2</sub>e)





By Activity	tCO <sub>2</sub> e/year	%
Scope 1	2.33e-4	3.96e-4
Scope 2	4.11	6.98
Scope 3	54.7	93
<b>Total</b>	<b>58.8</b>	<b>100</b>

Summary by WBCSD/WRI Scope (Market-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Scope 1	2.33e-4	3.86e-4
Scope 2	5.67	9.38
Scope 3	54.7	90.6
<b>Total</b>	<b>60.4</b>	<b>100</b>

Summary by Greenhouse Gas

Greenhouse Gas	GWP	tGHG/year (Location-Based)	tCO <sub>2</sub> e/year (Location-Based)	tGHG/year (Market-Based)	tCO <sub>2</sub> e/year (Market-Based)
CO <sub>2</sub>	1	18.5	18.5	20.1	20.1
CH <sub>4</sub>	28	0.00142	0.0398	0.00138	0.0387
N <sub>2</sub> O	265	2.75e-4	0.0729	2.54e-4	0.0673
CO <sub>2</sub> e	1	40.2	40.2	40.2	40.2
<b>Total</b>			<b>58.8</b>		<b>60.4</b>

# Summary of Scope 2 Market-Based Method for Tyskland

## Energy Consumed and Emissions By Factor Type In Scope 2 Market-Based Method

Scope 2 Market-Based Energy



Scope 2 Market-Based Emissions



Emission Factor Type	Energy		Market-Based Emissions	
	MWh	%	tCO <sub>2</sub> e	%
Client-supplied market-based instrument	0	0	0	0
Residual mix factors	5.17	26.3	3.19	56.3
Default location-based factors	14.5	73.7	2.47	43.7
<b>Total</b>	<b>19.7</b>	<b>100</b>	<b>5.67</b>	<b>100</b>

# Assessment Summary for Polen

Gross Overall Emissions (location-based): 649 tCO<sub>2</sub>e

Gross Overall Emissions (market-based): 687 tCO<sub>2</sub>e

## Key Performance Indicators

Absolute GHG emissions will vary over time and often correspond to the expansion or contraction of an organisation. It is useful therefore to use reporting metrics that take these effects into account and monitor relative GHG emissions intensity. A common emissions intensity metric is tonnes of CO<sub>2</sub>e per full time equivalent. This has been calculated, along with other relevant metrics, in the table below:

Data	KPI
291 Full Time Equivalent Employees	2.23 tCO <sub>2</sub> e per Full Time Equivalent Employee (Location-Based)
291 Full Time Equivalent Employees	2.36 tCO <sub>2</sub> e per Full Time Equivalent Employee (Market-Based)

## Summary by Activity (Location-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Electricity and Heating	271	41.7
Materials purchased	192	29.6
Business Travel	62.4	9.6
Homeworkers	56.3	8.67
Commuting	38.5	5.92
Conferences	19.1	2.94
Food	8.72	1.34
Business travel - External	1.06	0.163
<b>Total</b>	<b>649</b>	<b>100</b>

## Summary by Activity (Market-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Electricity and Heating	309	45
Materials purchased	192	28
Business Travel	62.4	9.07
Homeworkers	56.3	8.19
Commuting	38.5	5.6
Conferences	19.1	2.78
Food	8.72	1.27
Business travel - External	1.06	0.154
<b>Total</b>	<b>687</b>	<b>100</b>

## Summary by WBCSD/WRI Scope (Location-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Scope 1	5.23e-4	8.05e-5
Scope 2	207	31.9
Scope 3	442	68.1
<b>Total</b>	<b>649</b>	<b>100</b>

Summary by WBCSD/WRI Scope (Market-Based, tCO<sub>2</sub>e)



By Activity	tCO <sub>2</sub> e/year	%
Scope 1	5.23e-4	7.61e-5
Scope 2	245	35.7
Scope 3	442	64.3
<b>Total</b>	<b>687</b>	<b>100</b>

Summary by Greenhouse Gas

Greenhouse Gas	GWP	tGHG/year (Location-Based)	tCO <sub>2</sub> e/year (Location-Based)	tGHG/year (Market-Based)	tCO <sub>2</sub> e/year (Market-Based)
CO <sub>2</sub>	1	365	365	403	403
CH <sub>4</sub>	28	0.0144	0.402	0.0122	0.342
N <sub>2</sub> O	265	0.00556	1.47	0.00309	0.818
CO <sub>2</sub> e	1	283	283	283	283
<b>Total</b>			<b>649</b>		<b>687</b>

# Summary of Scope 2 Market-Based Method for Polen

## Energy Consumed and Emissions By Factor Type In Scope 2 Market-Based Method

Scope 2 Market-Based Energy



Scope 2 Market-Based Emissions



Emission Factor Type	Energy		Market-Based Emissions	
	MWh	%	tCO <sub>2</sub> e	%
Client-supplied market-based instrument	0	0	0	0
Residual mix factors	252	57.9	214	87.2
Default location-based factors	183	42.1	31.3	12.8
<b>Total</b>	<b>435</b>	<b>100</b>	<b>245</b>	<b>100</b>