

Emission inventory and CO2 footprint

Systemex Nederland BV – January - December 2014

This inventory of emissions provides information on the various energy flows within Systemex Nederland BV. Besides the inventory, this report has also calculated the CO2 footprint. This report on the CO2 footprint uses the conversion factors of the “Stichting Klimaatvriendelijk Aanbesteden & Ondernemen” (SKAO), version 3.0. This footprint describes all the items outlined in § 7.3 of standard ISO 14064-1.

Here are the scopes within Systemex:

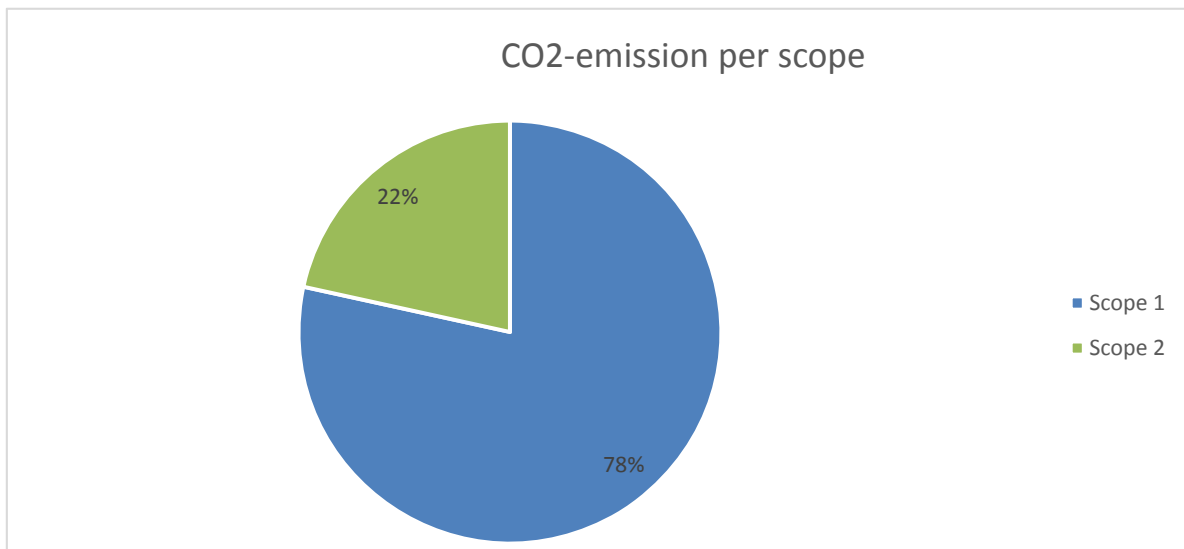
Scope 1:

- Gas for the heating of offices and outbuildings	16.110 m3	30,4 tons of CO2
- Consumption of fuel by leased cars (diesel, LPG and petrol)	172.380 liter Diesel	556,8 tons of CO2
	11.642 liter Petrol	31,9 tons of CO2
	361 liter LPG	0,7 tons of CO2

Scope 2:

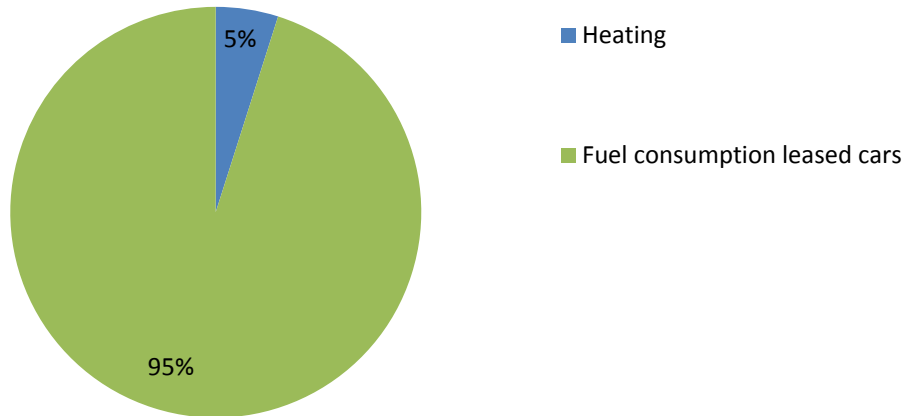
- Indirect emissions from purchased electricity (offices, outbuildings and machinery)	191.532 kWh	124,3 tons of CO2
- Number of work-related kilometers using a private car	41.277 km	9,1 tons of CO2
- Air travel for business reasons	70.252 km Local flights	20,9 tons of CO2
	53.974 km European flights	10,8 tons of CO2
	36.242 km International flights	5,3 tons of CO2

CO ₂ -emission per scope	Tons CO ₂	Percentage
Scope 1	620	78%
Scope 2	170	22%
Totaal	790	100%



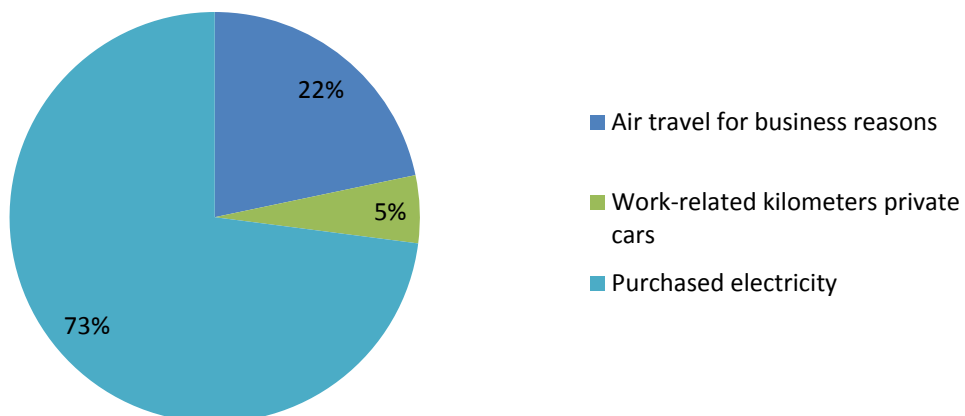
CO2-emission scope 1	Ton CO ₂	Percentage
Heating	30	5%
Machinery	0	0%
Other fuel	0	0%
Fuel consumption leased cars	589	95%
Fuel consumption private cars	0	0%
Totaal	620	100%

CO2-emission scope 1



CO2-emission scope 2	Tons CO ₂	Percentage
Air travel for business reasons	37	22%
Work-related kilometers private cars	9	5%
Purchased electricity	124	73%
Totaal	170	100%

CO2-uitstoot scope 2



Carbon footprint:

790,2 tons of CO₂

As the graphs above illustrate it, the consumption of fuel by leased cars correspond to the most significant emission of CO₂.

The emissions in scope 2 are mostly the result of purchased electricity, followed by air travel for business reasons.