

# Emission inventory and CO2 footprint

Sysmex Belgium NV – January - December 2014

This inventory of emissions provides information on the various energy flows within Sysmex 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 Sysmex:

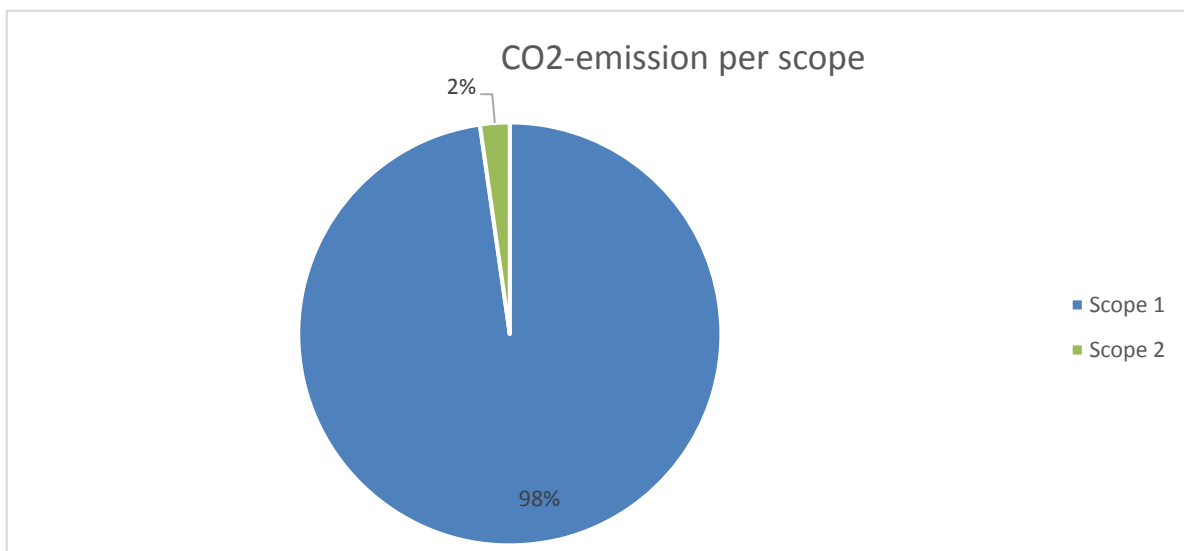
## Scope 1:

- Gas for the heating of offices and outbuildings	45.706 m3	86,4 tons of CO2
- Consumption of fuel by leased cars (diesel, LPG and petrol)	115.862 liter Diesel	374,2 tons of CO2
	111 liter Petrol	0,3 tons of CO2
	0 liter LPG	0,0 tons of CO2

## Scope 2:

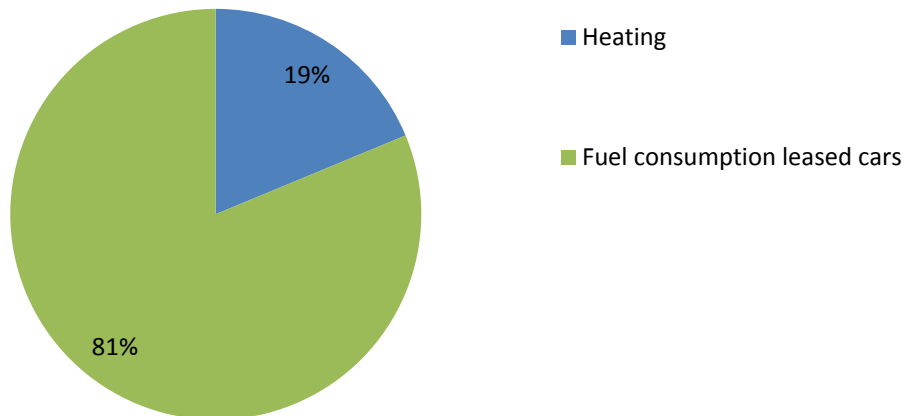
- Indirect emissions from purchased electricity (offices, outbuildings and machinery)	15.488 kWh	10,1 tons of CO2
- Number of work-related kilometers using a private car	2.779 km	0,6 tons of CO2
- Air travel for business reasons	0 km Local flights	0,0 tons of CO2
	0 km European flights	0,0 tons of CO2
	0 km International flights	0,0 tons of CO2

CO <sub>2</sub> -emission per scope	Tons CO <sub>2</sub>	Percentage
Scope 1	461	98%
Scope 2	11	2%
Totaal	472	100%



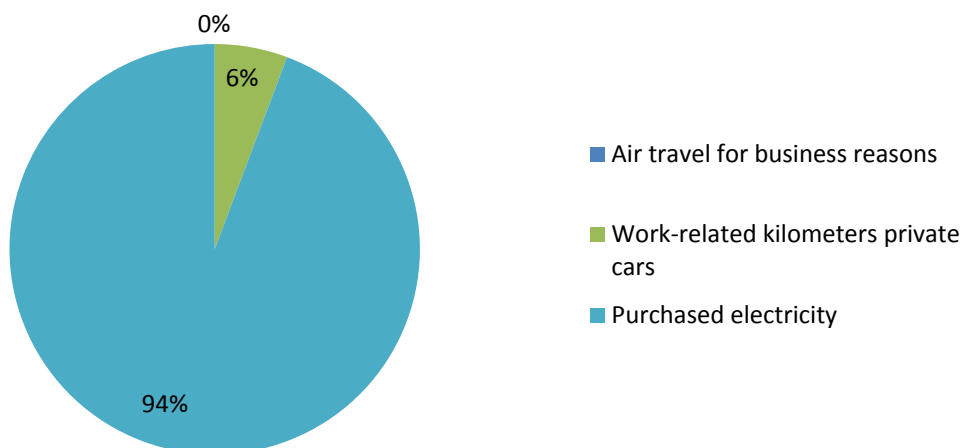
CO2-emission scope 1	Ton CO <sub>2</sub>	Percentage
Heating	86	19%
Machinery	0	0%
Other fuel	0	0%
Fuel consumption leased cars	375	81%
Fuel consumption private cars	0	0%
Totaal	461	100%

### CO2-emission scope 1



CO2-emission scope 2	Tons CO <sub>2</sub>	Percentage
Air travel for business reasons	0	0%
Work-related kilometers private cars	1	6%
Purchased electricity	10	94%
Totaal	11	100%

### CO2-uitstoot scope 2



Carbon footprint:

471,6 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 work-related kilometers by private cars.