

Emission inventory and CO2 footprint

Sysmex Belgium NV – January - June 2018

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:

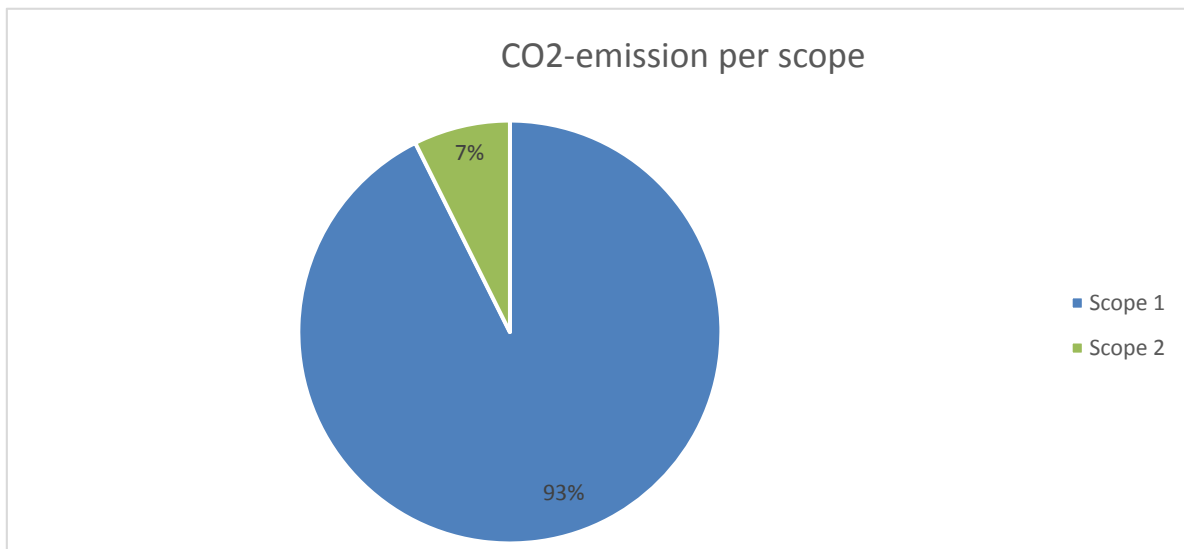
Scope 1:

- Gas for the heating of offices and outbuildings	2.689 m3	5,1 tons of CO2
- Consumption of fuel by leased cars (diesel, LPG and petrol)	63.968 liter Diesel	206,6 tons of CO2
	2.951 liter Petrol	8,1 tons of CO2
	0 liter LPG	0,0 tons of CO2

Scope 2:

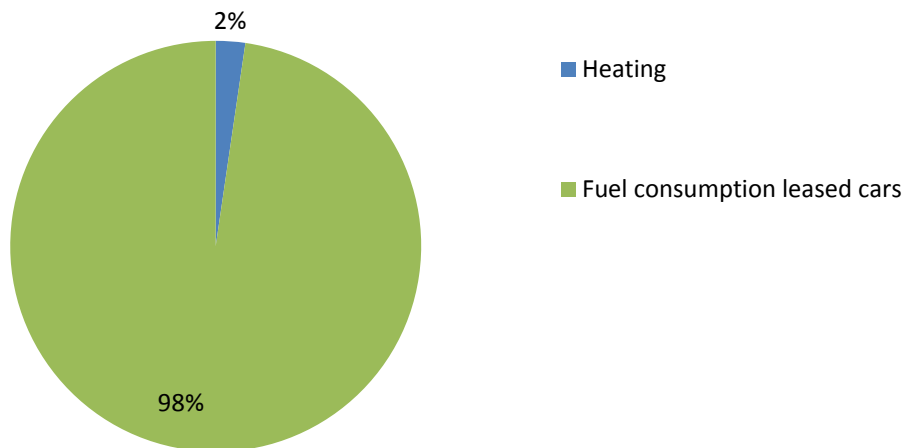
- Indirect emissions from purchased electricity (offices, outbuildings and machinery)	8.254 kWh	5,4 tons of CO2
- Number of work-related kilometers using a private car	1.500 km	0,3 tons of CO2
- Air travel for business reasons	1.847 km Local flights	0,5 tons of CO2
	46.185 km European flights	9,2 tons of CO2
	14.008 km International flights	2,1 tons of CO2

CO ₂ -emission per scope	Tons CO ₂	Percentage
Scope 1	220	93%
Scope 2	18	7%
Totaal	237	100%



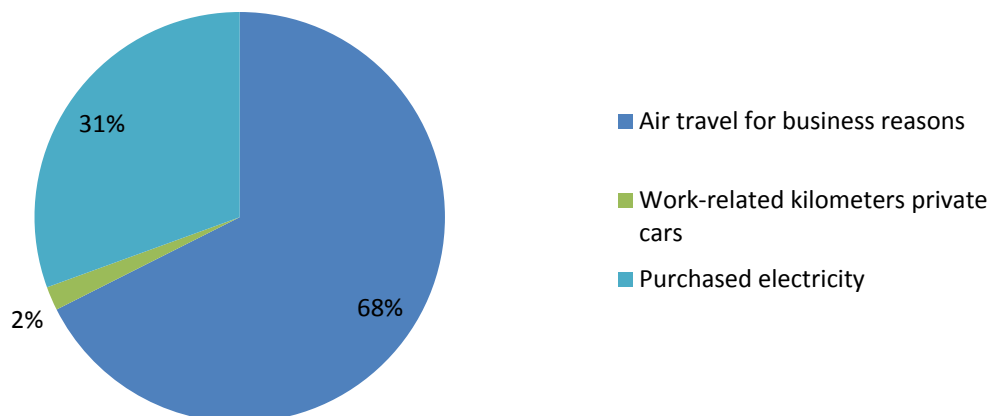
CO2-emission scope 1	Ton CO ₂	Percentage
Heating	5	2%
Machinery	0	0%
Other fuel	0	0%
Fuel consumption leased cars	215	98%
Fuel consumption private cars	0	0%
Totaal	220	100%

CO2-emission scope 1



CO2-emission scope 2	Tons CO ₂	Percentage
Air travel for business reasons	12	68%
Work-related kilometers private cars	0,3	2%
Purchased electricity	5	31%
Totaal	18	100%

CO2-uitstoot scope 2



Carbon footprint:

237,3 tons of CO2

As the graphs above illustrate it, the work-related kilometers with leased cars correspond to the most significant emission of CO2. Therefore Sysmex decided to participate in 2018 in the workgroup 'Mobility'. By participating in this workgroup, Sysmex will be able to discover the possibilities to reduce CO2 in work-related kilometers with leased cars.

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

The planning tool is still in development.

The decision to use Skype more has been taken in the management meeting and is communicated towards the employees. In department meetings this topic will be further discussed.