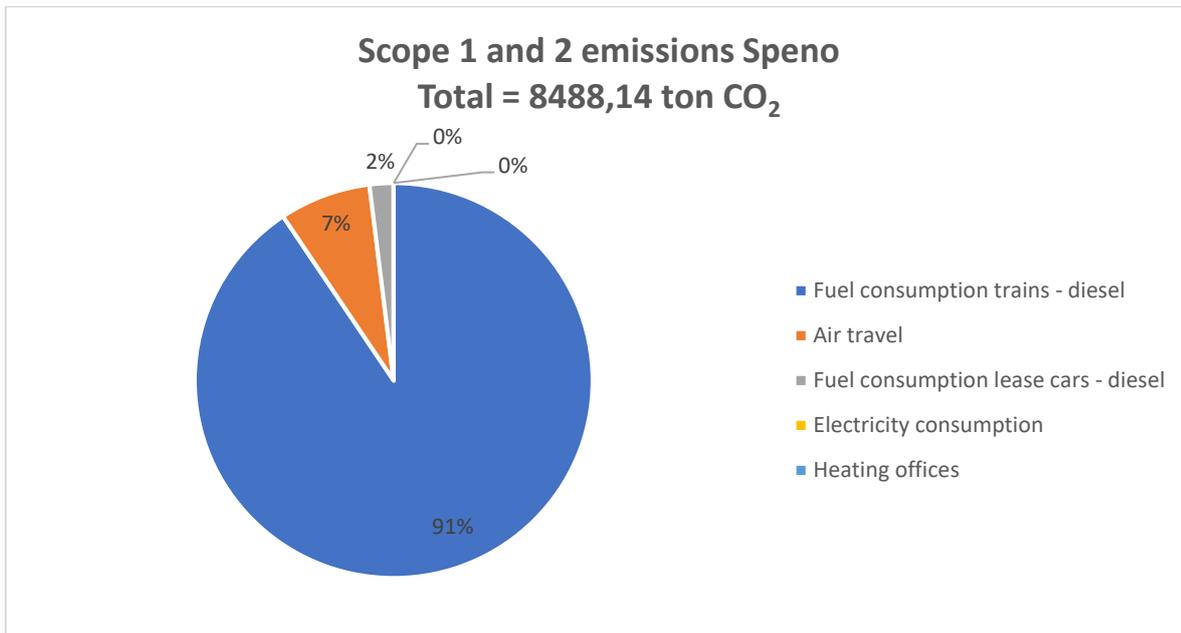




Speno International S.A. contributes to a more sustainable world

Speno has been calculating the company’s CO₂ emissions since 2012. They have been doing this because of the ongoing discussion on climate change. Speno International S.A. is conscious about the emissions that contribute to climate change and has taken the responsibility to ensure that its business activities and products are conducted in a sustainable and responsible manner.

Every six months Speno International calculates the total amount of its CO₂ emissions within Europe and takes measures to reduce these as much as possible. The calculation for the first half of 2019 is depicted below. The total CO₂ emissions during that period amount to 8488,14 metric tonnes of CO₂.



To reduce these emissions, Speno has set a reduction objective to reduce their emissions by 22,5% in 2021 in comparison to 2012.

Scope 1 & 2 objectives Speno International S.A.*
Speno International S.A. produces 20% less CO ₂ in 2021 compared to 2012.

*These objectives are related to finished ground kilometers of the train fleet.

Reaching the reduction targets

The bulk of the CO₂ Speno emits is still due to the diesel consumption of their trains. Compared to 2012 Speno has reduced the consumption of diesel in absolute numbers as well as in relative numbers. Compared to 2012 there is a 27% reduction CO₂ emissions per ground kilometer. This number is even better than expected and for 2020 SPENO has to reassess whether a new, more fitting, target should be established.

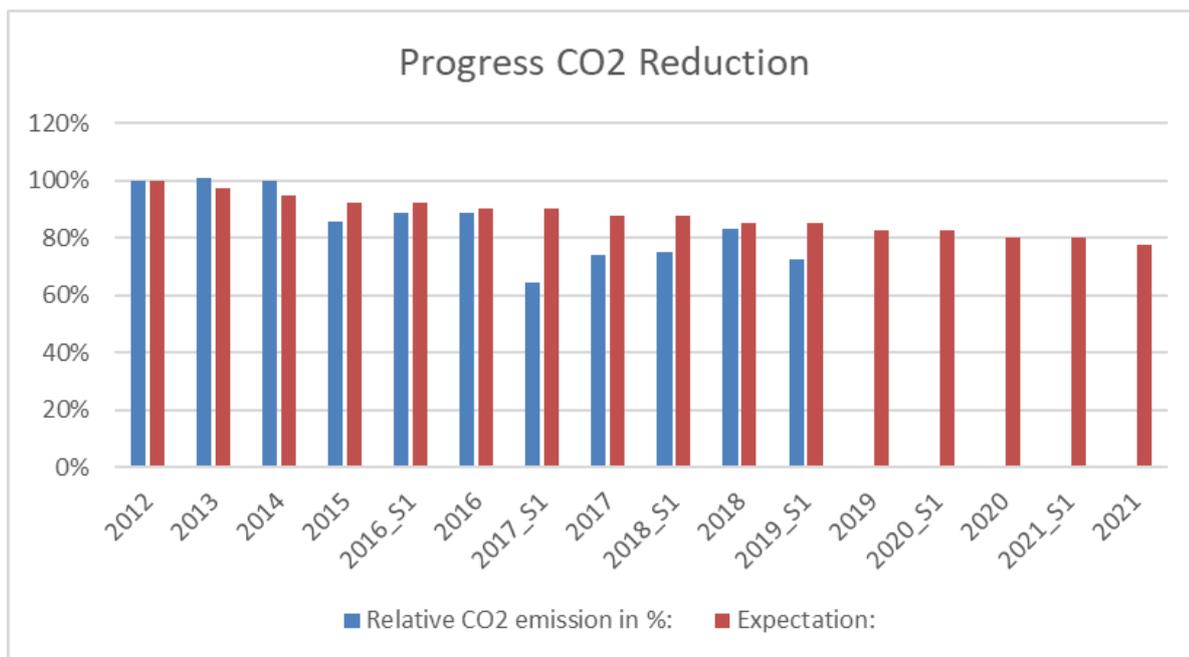
Compared to previous years SPENO has also achieved a slight reduction in scope 2 emissions which is thanks to the fewer flights. As flying is an inherent component to the international growth of SPENO, it is difficult to reduce flights in great numbers. However, SPENO is pleased with the small reduction while continuing our growth, this is realized thanks to efficient planning of flights.



Emissions overview

Progress CO2 emissions											
Scope 1	2012	2013	2014	2015	2016_S1	2016	2017_S1	2017	2018_S1	2018	2019_S1
Gas consumption (office)	13,08	21,47	19,16	14,44	6,89	13,79	-	-			-
Fuel consumption (office)	8,44	5,17	6,93	7,20	3,55	7,11	-	-			-
Fuel consumption lease cars - diesel	128,00	375,73	323,11	256,84	146,31	292,61	155,04	315,83	185,86	395,04	165,50
Fuel consumption trains - diesel	17099,58	16426,22	17404,68	16789,49	8570,28	17140,56	6739,58	14.688,64	8.820,55	16.804,60	7.692,02
Total scope 1	17.249,10	16.828,59	17.753,89	17.067,98	8.727,03	17.454,06	6.894,62	15.004,46	9.006,41	17.199,63	7.857,52
Scope 2											
Electricity consumption - grey	60,20	30,10	53,56	51,65	21,18	42,36	-	-			-
Electricity consumption trains - gray	-	-	-	-	-	-	10,93	10,93			-
Electricity consumption - green	-	-	-	-	-	-	-	-			-
Air travel < 700 km	213,93	223,01	242,52	230,22	100,48	200,97	119,07	224,31	108,18	245,16	114,79
Air travel 700 - 2500 km	698,05	763,96	847,64	805,39	367,85	735,70	381,88	760,28	379,69	836,75	351,81
Air travel > 2500 km	374,47	491,65	337,23	352,30	141,70	283,40	176,58	354,50	153,09	280,16	164,02
Total scope 2	1.346,66	1.508,71	1.480,96	1.439,57	631,21	1.262,42	688,47	1.350,02	640,96	1.362,08	630,62
	18.595,76	18.337,30	19.234,84	18.507,55	9.358,24	18.716,49	7.583,08	16.354,49	9.647,37	18.561,71	8.488,14

The graph below shows the progression in the reduction of relative CO₂ emissions. The emissions of scope 1 and 2 are related to the total amount of ground kilometers. The blue bars show the actual reduction while the grey bars show the target for the given year based on the 2021 objective.



Progress of our reduction measures

Two of the main measures that we have identified over the past year are the efficient planning of maintenance and getting more insight in employee commuting.

-By planning the allocation of trains and scheduling maintenance correctly, we can reduce travel kilometers for the grinding trains, this will reduce the ‘unnecessary’ kilometers driven and subsequently reduce our fuel consumption. This measure has proven to be effective over the past years and we are currently looking at different systems across Europe to schedule our maintenance effectively.

-For most people working in our office, the station next to our office is a frequently used form of transport, especially after the renovations. In 2019 we hope to get better insights in how many employees use the train and how we can potentially stimulate more sustainable, daily commuting.



Our energy policy and management plans

We acknowledge that this newsletter only gives a brief overview of all the measures we take as a company. We encourage everyone to be critical and informed about the steps that we take to reduce our CO₂ emissions. On our website you can find the Management- and reductionplan which further describe ambitions we have and the measures we take to achieve this.

<https://www.speno.ch/sustainable-world-fr>

Your contribution matters

If you have any ideas or suggestions to speed up our CO₂ reduction please contact Yamine. A combined effort to is needed to make sure we realize our goals in 2021.