Climate-friendly trade fair participation at InnoTrans 2024

Berlin, 24.-27. September 2024

InnoTrans – The future of mobility

24 – 27 September 2024 for the fourteenth time in BerlinAround 2,771 exhibitors from 56 countries and >135,000 visitors

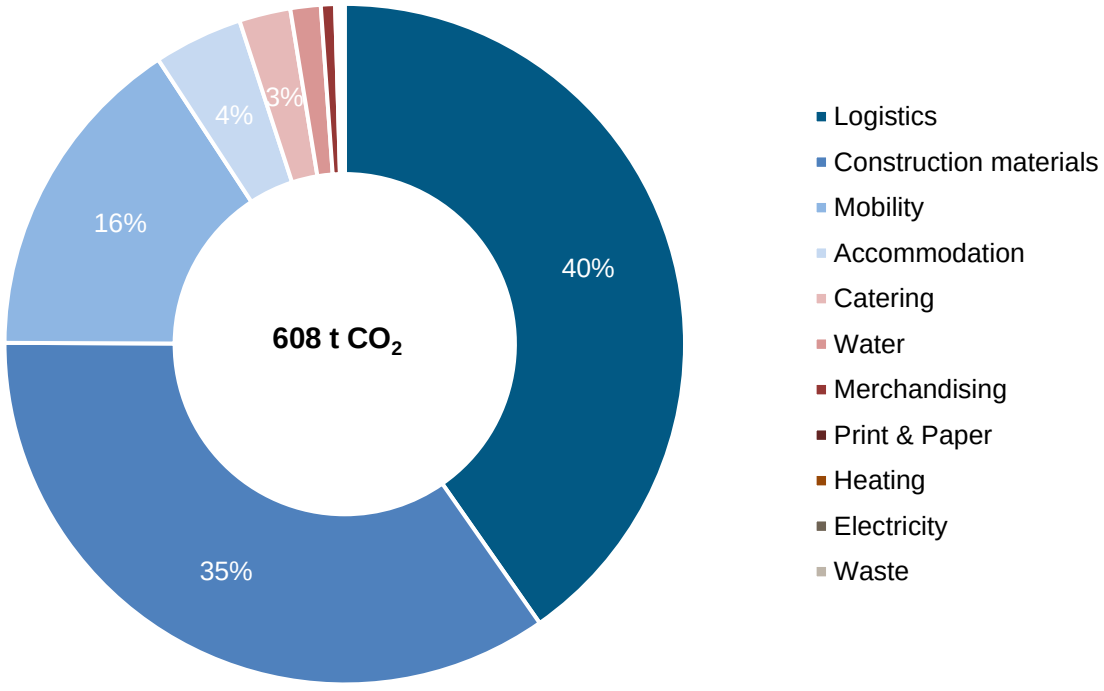
Future-orientated mobility, responsible handling of emissions: Swissrail's emissions at the trade fair are around 4.2 kg CO_2 per visitor

Measure and reduce - Swissrail takes responsibility

– 39 % Travelling by public transport
– 50 % share of vegetarian me

Climate-conscious display at InnoTrans 2024

Event emissions 2024



The biggest emission on the carbon footprint:

Logistics (40 %)

- Transport of materials used by event vehicles

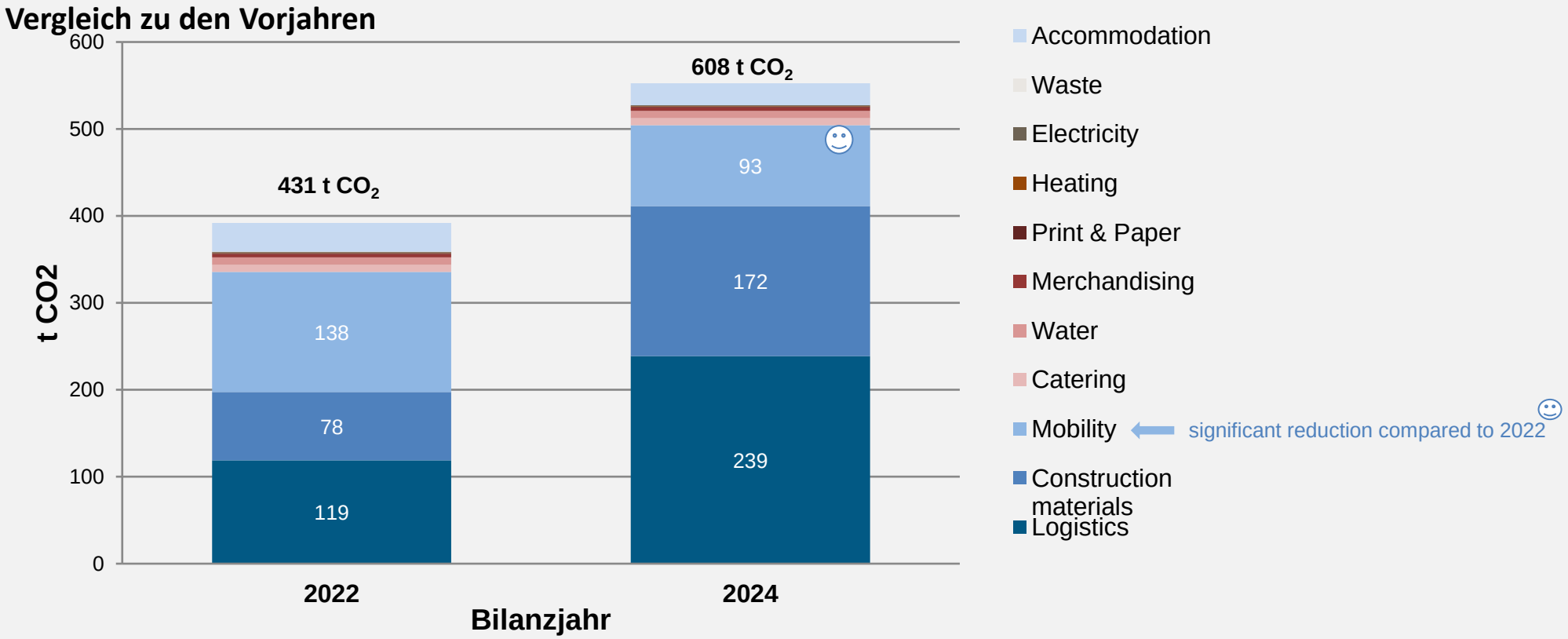
Building materials for stand construction (35 %)

- The materials for the stand, such as wood, aluminium, steel and graphics, are largely reused.
- Aluminium alone accounts for 26% of emissions in this
- Category

Arrival and departure of participants (35 %)

- 45% by own members
- 55 % of the visitors assigned to Swissrail

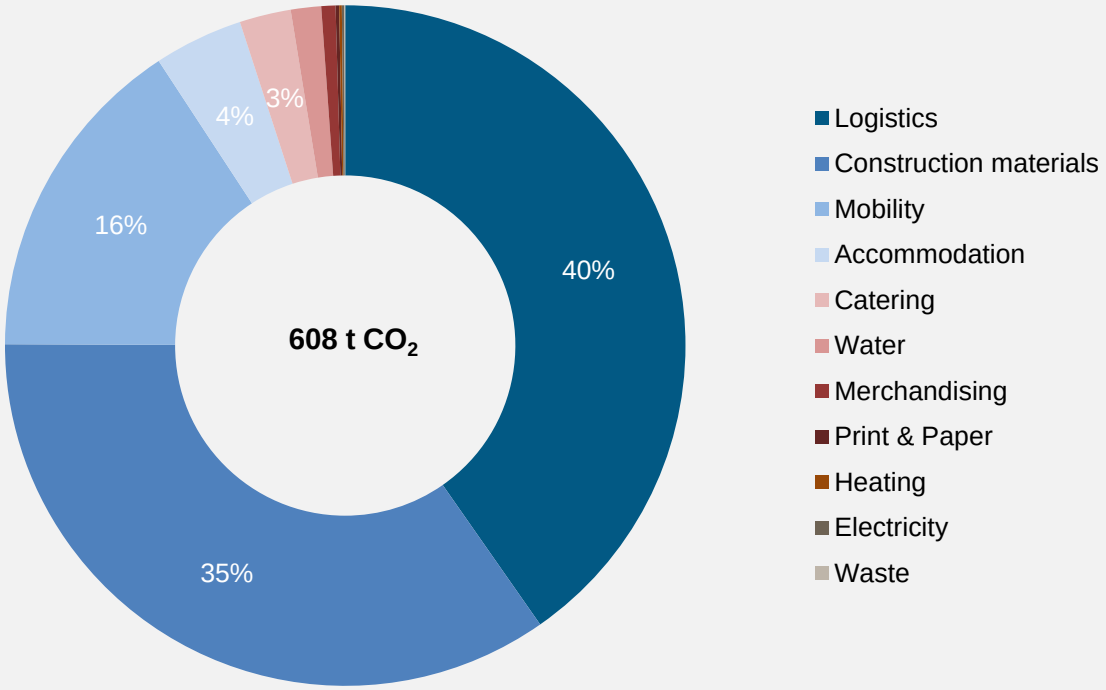
Entwicklung zum letzten Event 2022



CO2 footprint calculated by

SWISS CLIMATE

Sustainable Business



CO_2-Bilanz berechnet durch

SWISS CLIMATE
Sustainable Business

Taking responsibility, supporting climate protection projects

Climate protection and sustainable management in Swiss forests

Detailed description

In the course of their lives, trees absorb CO_2 from the air and store it in their biomass. The local forest therefore makes an important contribution to Swiss climate protection. Sustainable management is essential if it is to retain its diverse functions as a wood supplier, protective forest and recreational area.

Without the project contributions, the management of the forest of the Oberallmeindkorporation Schwyz in deficit. The timber stock would stagnate and sustainable growth would not be possible.

As a result of this project, the wood stock will be increased from 281 m3/ha to 300 m3/ha in addition to the existing stock. As a result, more CO_2 will also be stored.

The project also enables the corporation to sustainably extract energy wood from the forest without reducing the wood supply in the long term. The wood is processed locally and used to produce renewable energy in the region.

Thanks to the project contributions, both native biodiversity in the forest and the protective function against natural hazards can be supported.

Projektstandard: SC-FCS

The project secures the storage of CO_2 and the sustainable management of 7,279 hectares of forest in the canton of Schwyz. This protects the climate, preserves biodiversity in the Swiss forest and enables the production of energy wood for renewable energy production. Thanks to the project

contributions, the native biodiversity in the forest can be preserved and its protective function against

natural hazards can be guaranteed.

Guaranteed Swiss Climate quality for credible offsetting

Taking responsibility, supporting climate protection projects

Wind energy in Karnataka, Indiain Karnataka, Indien

Project description

A wind power project with a capacity of 60 MW has been established in the villages around Gurmitkal Mandal in the Yadgir district, Karnataka. The project's objective is to generate electric power from wind energy by operating wind power plants.

The project activity replaces an equivalent amount of electricity that would otherwise have been consumed by a fossil fuel-fired power grid, resulting in a reduction in associated CO_2 emissions.

The project consists of 30 wind generators, each with a capacity of 2 MW. The electricity generated by the project is fed into the Indian power grid.

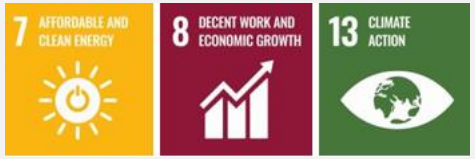
Numerous jobs have already been created and achieved social progress. This not only improves the livelihoods of the local population, but also ensures that the project is well anchored.

The project activity results in an emission reduction of 898,870 t CO2 for the crediting period of 7 years.

Gold Standard
Climate Security & Sustainable Development

The wind project promotes the generation of renewable energy through wind power plants in Karnataka, India. The project activity generates clean electricity by harnessing wind power. Sustainable development in the region is supported by a variety of measures and programmes.

Guaranteed Swiss Climate quality for credible offsetting



Detailed results 2024

Energy		2022	2024	Δ previous year	2022	2024	Δ previous year
Source	**Unit**		**Amount**			**t CO_2**	
Heating							
Heating oil	kWh	10	10	+0%	0.00	0.00	+13%
Natural gas	kWh	2’669	2’669	+0%	0.68	0.67	-2%
Wood (pellets, chips or logs)	kWh	809	809	+0%	0.05	0.05	-2%
Total Heating	**kWh**	**3’488**	**3’488**	+0%	**0.74**	**0.72**	-2%
Electricity consumption							
Electricity consumption,mix	kWh	837	837	+0%	0.70	0.70	+0%
Total electricity consumption					**0.70**	**0.70**	+0%
Total emissions energy					**1.44**	**1.43**	

Logisitcs		2022	2024	Δ previous year	2022	2024	Δ previous year
Source	**Unit**		**Amount**			**t CO_2**	
Logistics							
Lorry	tkm	184’150	268’936	+46%	78	119	+52%
Total Logistics	**tkm**	**184’150**	**268’936**	+46%	**78**	**119**	+52%
Total Emissionen Logistics					**78**	**239**	

Detailed results 2024

Baumaterialien		2022	2024	Δ previous year	2022	2024	Δ previous year
Source	**Unit**		**Amount**			**t CO_2**	
Construction material							
Wood	kg	16’000	16’000	+0%	4.31	4.31	+0%
Aluminium	kg	16’667	16’667	+0%	111.67	165.30	+48%
Steel	kg	667	667	+0%	2.77	2.77	+0%
Graphics	kg	60	60	+0%	0.07	0.07	-0%
Construction material		**33’393**	**33’393**	+0%	**119**	**172**	+45%
Total emissions construction materials					**119**	**172**	

Mobility		2022	2024	Δ previous year	2022	2024	Δ previous year
Source	**Unit**		**Amount**			**t CO_2**	
Travel of members incl. Other personnel							
Personnel, Car	pkm	7’288	40’424	+455%	1.7	9.8	+492%
Personnel, Train	pkm	320’261	254’901	-20%	0.3	0.2	-22%
Personnel, Aeroplane	pkm	479’379	351’250	-27%	86.0	32.8	-62%
Travel of members incl. Other personnel	**pkm**	**806’927**	**646’576**	-20%	**87.9**	**42.8**	-51%
Travel of visitors							
Travel of visitors (Swissrail Share)	t CO_2e				50.3	50.3	
Travel of visitors					**50**	**50**	
Total emissions mobility					**138**	**93**	

SWISS CLIMATE
Sustainable Business

Detailed results 2024

Catering		2022	2024	Δ previous year	2022	2024	Δ previous year
Source	**Unit**		**Amount**			**t CO_2**	
Meals							
Hot meals with meat	Portions	1'120	520	-54%	4.03	1.87	-54%
Hot meals with fish	Portions		130		0.00	0.36	
Hot veggi meals	Portions	280	650	+132%	0.48	1.11	+132%
Cold meals with meat	Portions	462	173	-63%	0.69	0.52	-25%
Cold meals with fish	Portions		43		0.00	0.12	
Cold veggie meals	Portions		217		0.00	0.22	
Fruits (mixed)	kg	400	400	+0%	0.18	0.18	+0%
Snacks (crisps, chocolate bars, …)	#	1'800	1'720	-4%	0.16	0.31	+91%
Soup	Portions	462	433	-6%	0.22	0.41	+87%
Ice-cream	kg	95	76	-20%	0.19	0.30	+60%
Oats & Friends	Portions	400	400	+0%	0.13	0.27	+100%
Croissants and bread rolls	Piece	800	800	+0%	0.53	0.53	+0%
Salad with dressing	Portions	462	433	-6%	0.02	0.03	+87%
Meals					**7**	**6**	
Drinks							
Mineral water	l	300	660	+120%	0.03	0.07	+120%
Softdrinks	l	270	570	+111%	0.05	0.10	+111%
Orange juice	l	110	110	+0%	0.24	0.24	+0%
Fruit juice	l	75	75	+0%	0.12	0.12	+0%
Beer	l	666	607	-9%	0.28	0.26	-9%
Red wine - CH	l	90	90	+0%	0.12	0.12	+0%
Red wine - abroad	l	0	0		0.00	0.00	
White wine - CH	l	128	128	+0%	0.18	0.18	+0%
White wine - abroad	l	23	23	+2%	0.08	0.08	+2%
Spirits	l	80	80	+0%	0.29	0.29	+0%
Milk	l	0	71		0.00	0.10	
Coffee	Cups	500	1'770	+254%	0.06	0.20	+254%
Tea	Cups	80	60	-25%	0.00	0.00	-25%
Drinks					**1**	**2**	+21%
Dinnerware & Cutlery							
Plates, reusable	#	9'800	9'800	+0%	0.00	0.00	+0%
Cutlery, reusable	#	19'600	19'600	+0%	0.00	0.00	+0%
Glasses/cups, reusable	#	28'000	28'000	+0%	0.00	0.00	+0%
Dinnerware & Cutlery					**0**	**0**	
Total emissions catering					**8**	**8**	

Detailed results 2024

Accommodation		2022	2024	Δ previous year	2022	2024	Δ previous year
Source	**Unit**		**Amount**			**t CO_2**	
Accommodation							
Hotel 4-5*	Overnight stays	963	318	-67%	23.59	7.79	-67%
Hotel 2-3*	Overnight stays	627	1’272	+103%	7.52	15.26	+103%
Visitor accommodation (Swissrail share)	t CO_2e		0		2.00	2.00	+0%
Accommodation					**33**	**25**	-24%
Total emissions Accommodation					**33**	**25**	

Print & Paper		2022	2024	Δ previous year	2022	2024	Δ previous year
Source	**Unit**		**Amount**			**t CO_2**	
Print & Paper							
Print & Paper*[1]	kg	833	833	+0%	1.01	1	-0%
Print & Paper	**kg**	**833**	**833**	+0%	**1**	**1**	-0%
Total emissions Print & Paper					**1**	**1**	

*[1]Calculations are based on projections and estimates, also based on the number of visitors. A more precise recording of the data is being sought. .

SWISS CLIMATE
Sustainable Business

Detailed results 2024

Merchandising		2022	2024	Δ previous year	2022	2024	Δ previous year
Source	**Unit**		**Amount**			**t CO_2**	
Merchandising*[1]							
Caps	#	40	40	+0%	0.06	0.06	+0%
Mug	#	30	30	+0%	0.02	0.02	+0%
Pocket knives / other tools	#	498	498	+0%	0.22	0.22	+0%
Packaging	#	0	0		0.00	0.00	
Pens	#	6'130	6'130	+0%	0.23	0.23	+0%
Backpack	#	8	8	+0%	0.03	0.03	+0%
Pins	0	80	80	+0%	0.00	0.00	+0%
Lanyards	0	959	959	+0%	0.09	0.09	+0%
USB	0	278	278	+0%	0.12	0.12	+0%
Chocolat	0	47	47	+0%	0.17	0.17	+0%
Scale	0	200	200	+0%	0.02	0.02	+0%
Carrier bag	0	3'810	3'810	+0%	2.52	2.52	+0%
Plug	0	30	30	+0%	0.00	0.00	
Powerbank	0	100	100	+0%	0.15	0.15	+0%
Lighter	0	530	530	+0%	0.03	0.03	+0%
Notebooks	0	319	319	+0%	0.32	0.32	+0%
Merchandising			**849**		**4**	**4**	
Total emissions merchandising					**4**	**4**	

Waste		2022	2024	Δ previous year	2022	2024	Δ previous year
Source	**Unit**		**Amount**			**t CO_2**	
Waste							
Non-recycled waste	kg	475	467	-2%	0.2	0.2	-2%
Recycled waste	kg	9'701	9'662	-0%	0.0	0.0	
Composted waste	kg	109	104	-5%	0.0	0.0	
Waste		**10'285**	**10'233**		**0**	**0**	
Total emisisons waste					**0.2**	**0.2**	

Wasser		2022	2024	Δ previous year	2022	2024	Δ previous year
Source	**Unit**		**Amount**			**t CO_2**	
Water							
Water consumption	m³	19'680	19'680	+0%	9	9	+0%
Water	**m³**	**19'680**	**19'680**		**9**	**9**	
Total emissions water					**8.53**	**8.53**	

Total					**392**	**553**	
Safety margin + 10%					39	55	

*[1]Calculations are based on projections and estimates, also based on the number of visitors. A more precise recording of the data is being sought. .