ŠKODA TOUR LUXEMBOURG

nZero

2022 Sustainability report

nZero partnered with Škoda Tour LuXembourg to capture the emissions impact of the race across all 3 scopes, gathering data and providing insights on the event organizers, its vendors, and pro-cycling teams.

About the event

Total days
5-day event
13th–17th September 2022

5 stages
720.1km

Total GHG emissions
91.1 MT CO_2e
Equivalent to driving about 364,000 km in a passenger car, or 9 trips around the world

Participants
30+ stakeholders were involved in the data collection

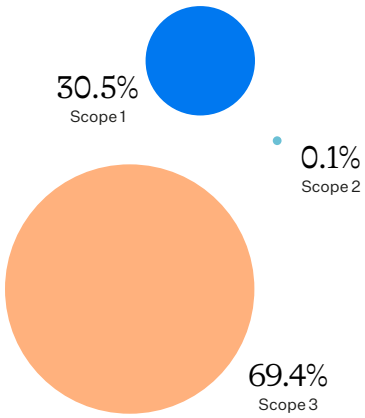
Emissions by scope

Quick reference
Scope definitions

Scope 1
Fuel consumption of vehicles and generators

Scope 2
Electricity consumption at the event and EVs

Scope 3
Fuel consumption of 3rd party vehicles, waste, hotel, and travel



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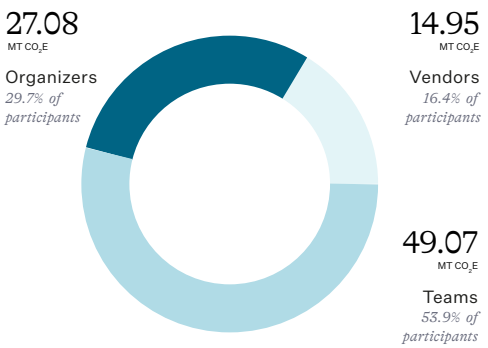
Total GHG emissions



The #1 driver of teams' emissions, was traveling to and from the event

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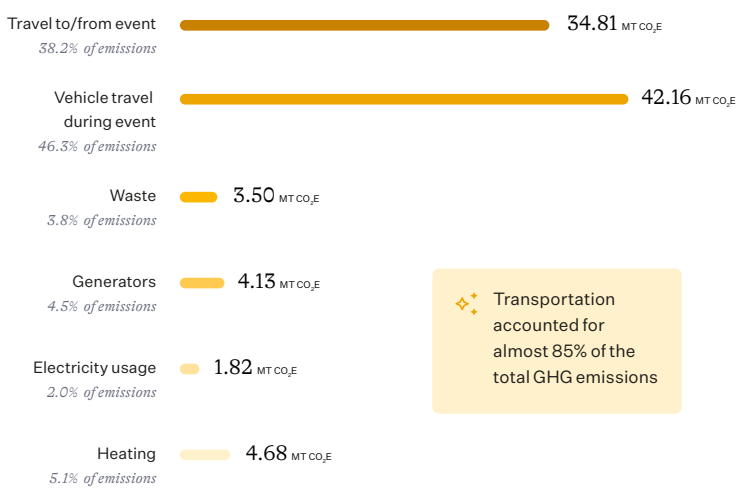
GHG emissions breakdown



Transportation accounted for almost 85% of the total GHG emissions

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Future decarbonization opportunities

Our Carbon Sustainability Analysts performed 'what-if' analyses to inform decarbonization opportunities for future events.

26%
potential reduction in total emissions (24 MT CO_2e)

If generators were using biodiesel, **4 MT CO_2e** could be avoided, representing **93.8% emission reduction** coming from the generators.

If passenger cars had been electric, **10.8 MT CO_2e** could have been avoided, a **58.4% reduction in passenger car emissions**. This was calculated considering the lifecycle emissions of the vehicles.

Transitioning to drone technology (for broadcasting) would not only reduce the event GHG emissions by 8.7%, but it would also considerably reduce its costs.

The VIP catering vendors proactively managed their climate impact by sourcing **70% of its products locally** and **50% of its menu was sustainably-sourced**.

If the catering vendor offered **15% more chicken dishes** instead of the same percentage of beef dishes, they would save **6.6 MT CO_2e**, or 33% of the 19.9 MT CO_2e of the total food-related emissions.

ARKEA SAMSIC
PRO CYCLING TEAM

nZero Hero award

Sprint to net zero

To encourage sustainable racing practices, we created the nZero Hero Award for the cycling team with the lowest carbon impact. Arkéa, the winning team, conducted **61% of its travel to and from the event by train**. This helped them reduce their total emissions by over 75% compared to traveling by air.

While the train contributed **13% to the total team travel**, it surprisingly accounted for only 0.37% of the total team travel emissions. Turns out, train travel has the lowest carbon impact when compared to other carbon-intensive modes of transportation, such as flying.