2023 Skoda Tour de Luxembourg

Sustainability Report

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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. This year, more primary data from the teams (+46%) and vendors (+50%) was able to be gathered, providing more accurate reporting and identification of future decarbonization interventions.
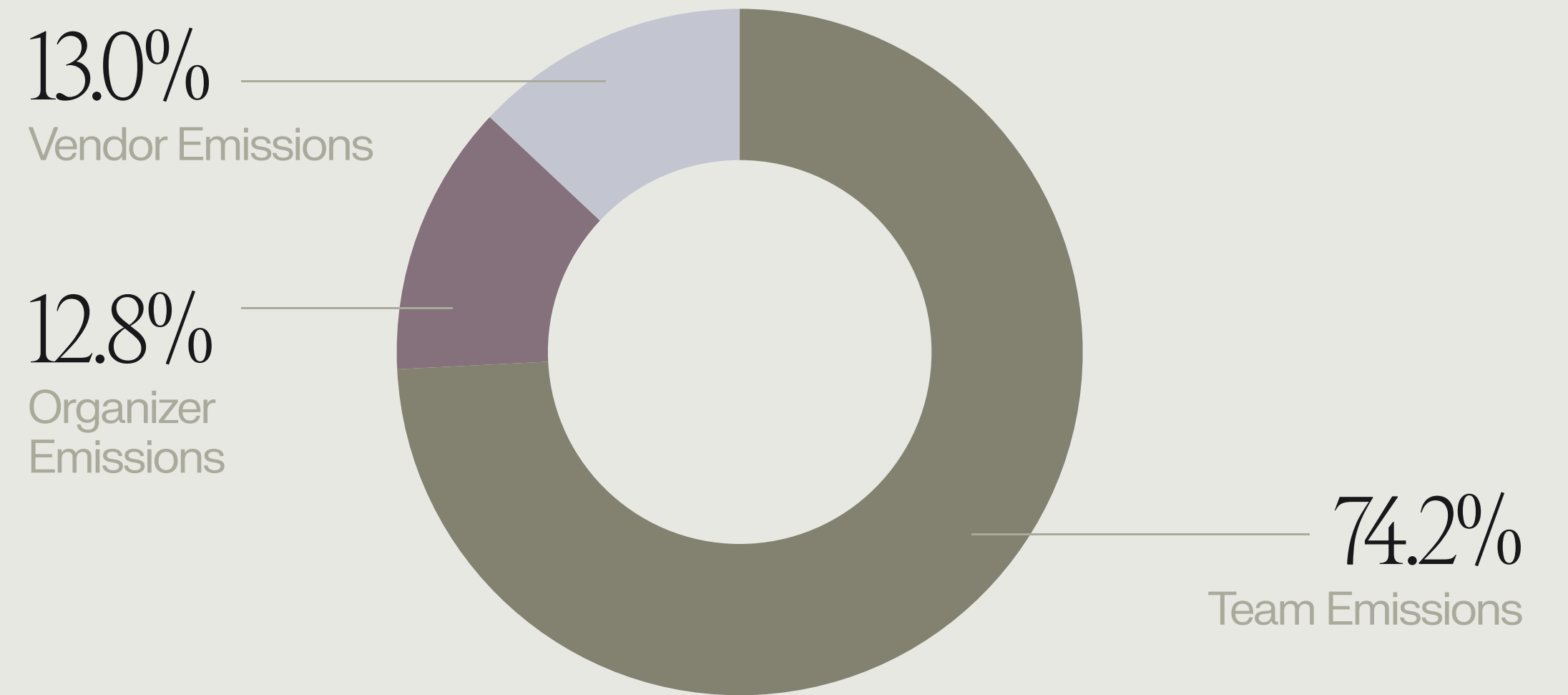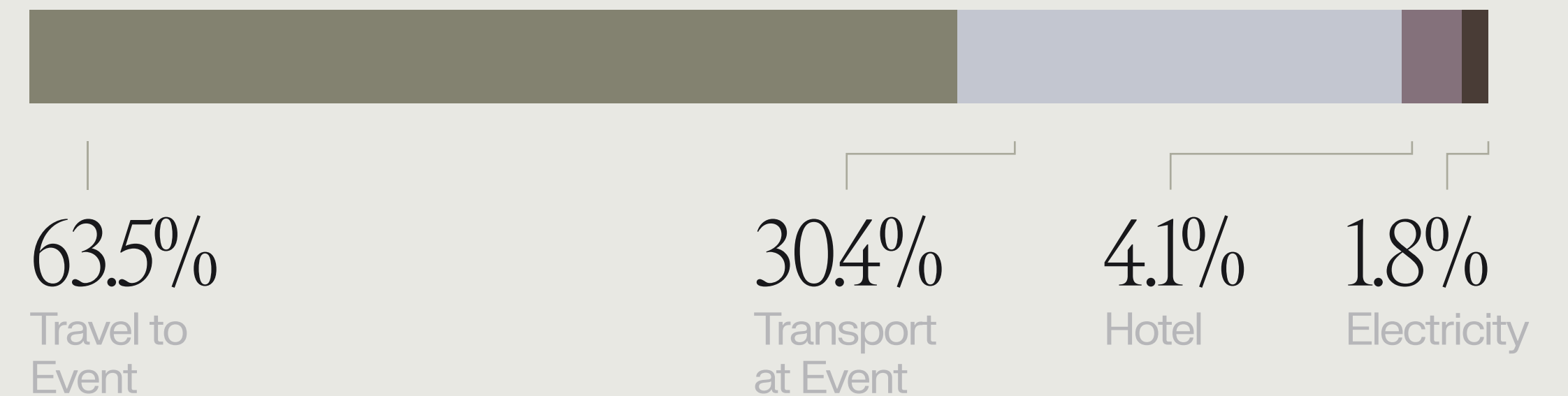
Total Event Emissions by Scope

87.2%
Scope 3

12.8%
Scope 1

0.1%
Scope 2

About the Event

Total Days	5 Stages	Total GHG emissions	Participants
5-day event 20th-24th, Sept 2023	709.8 km	165 MTCO2e Equivalent to flying 761,484 miles, or flying around theworld 30 times.	30+ stakeholders were involved in the data collection

2023 Tour De Luxembourg Emissions Breakdown (MTCO2e)

13.0%
Vendor Emissions

12.8%
Organizer Emissions

74.2%
Team Emissions

GHG Emissions Breakdown

Transportation continued to be the highest emitter, accounting for almost 94% of total GHG emissions

63.5%
Travel to Event

30.4%
Transport at Event

4.1%
Hotel

1.8%
Electricity

Future Decarbonization Opportunities

Film Race with Drones Versus Helicopters   01

Using drones opposed to helicopters to film the race could
help avoid over 5 MTCO2e, 20% of all vendor emissions.

Switch From Jet Fuel to Sustainable Aviation Fuel   02

Had sustainable aviation fuel (SAF), a lower-carbon alternative
to jet fuel, been used, emissions from helicopters would have
decreased by 28%, and emissions from travel during the event
would have decreased 11%.

Adjust Your Transportation and Room Bookings   03

Teams and vendors can reduce the emissions associated with
hotel stays by booking more double rooms over single rooms.

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. Alpecin Deceuninck, the winning team, had 50% of
their travel by bus and 27% by train. By limiting carbon-
intensive modes of transportation, such as flying, the team was
able to reduce their total emissions by ~300%!

nzero™ + SKODA

Skoda Tour de Luxembourg   nzero.com