

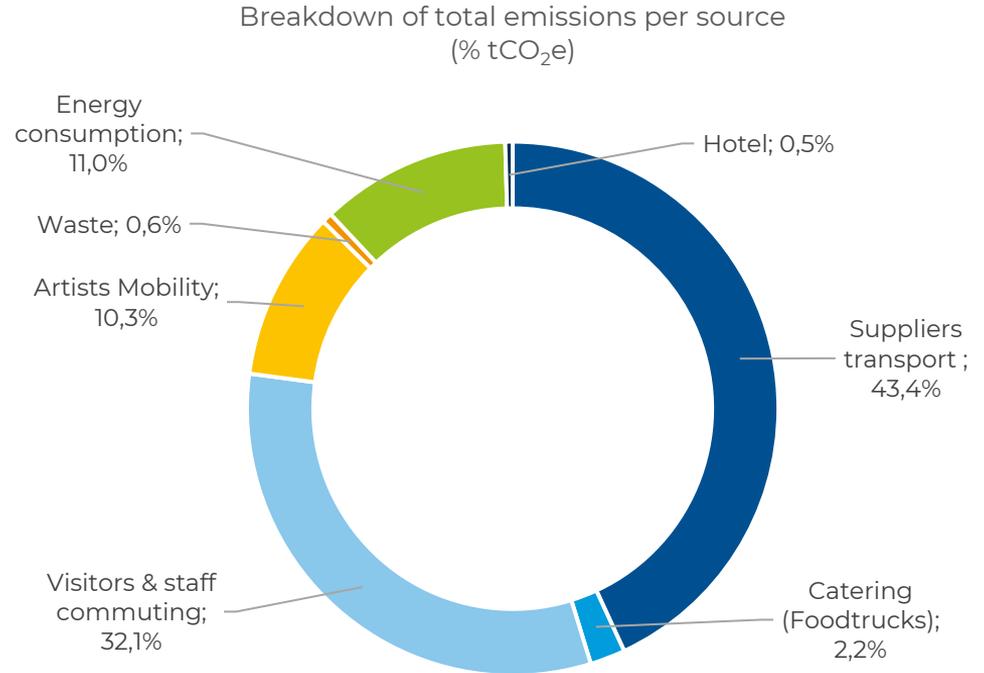
# Paradise Garten Carbon Footprint FY2022

December 2022



# Overall Carbon Footprint Results

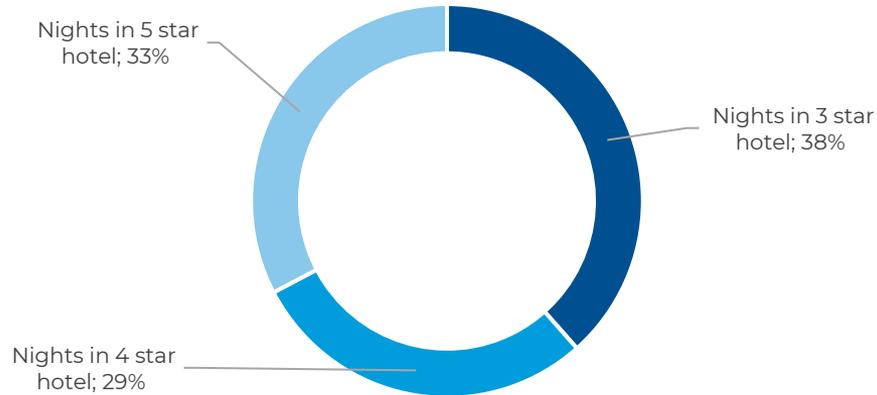
- Total emissions amount to 114,8 tCO<sub>2</sub>e in 2022. The relative **emissions per visitor amount to 15,8 kgCO<sub>2</sub>e**. In comparison, the Belgian edition of Paradise City, reported total emissions of 361 tCO<sub>2</sub>e and relative emissions per visitor of 10,5 kgCO<sub>2</sub>e in 2022. The higher relative emissions per visitor for Paradise Garten can be explained by the fact that 2022 was the first edition as well as its smaller size that does not allow for the same economies of scale.
- Scope 3 emissions are the main source of emissions, representing 89,1% of total emissions. The categories emitting the most are suppliers' transport (43,4%), visitors & staff commuting (32,1%) and artists' mobility (10,3%).



# Hotel Carbon Footprint Results

- The nights in 3 stars hotels are the main source of CO<sub>2</sub>e emissions representing 38% of the total hotel emissions. This can be explained by the high number of artists (57%) being hosted in 3 stars hotels.
- On the other hand, a rising standing level goes hand in hand with an increasing emission factor (e.g. 3 stars hotels have 100% more emissions per night than 2 stars hotels but 50% less than 4 stars hotels). Further emissions reduction could be achieved by switching staff members and artists to lower hotel standings.

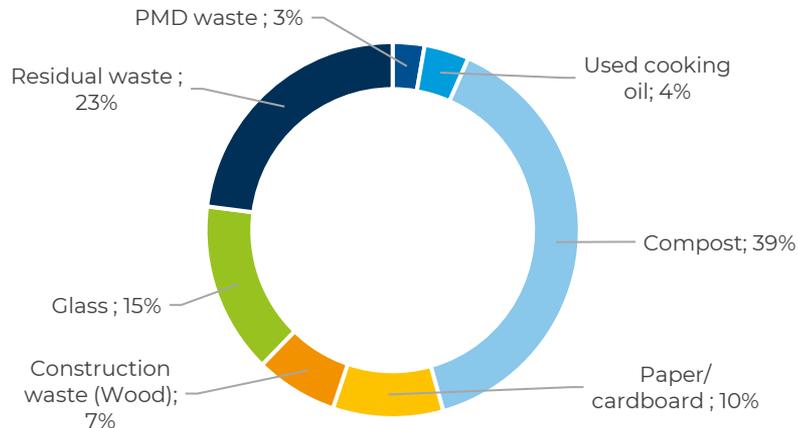
Breakdown of emissions (% tCO<sub>2</sub>e)



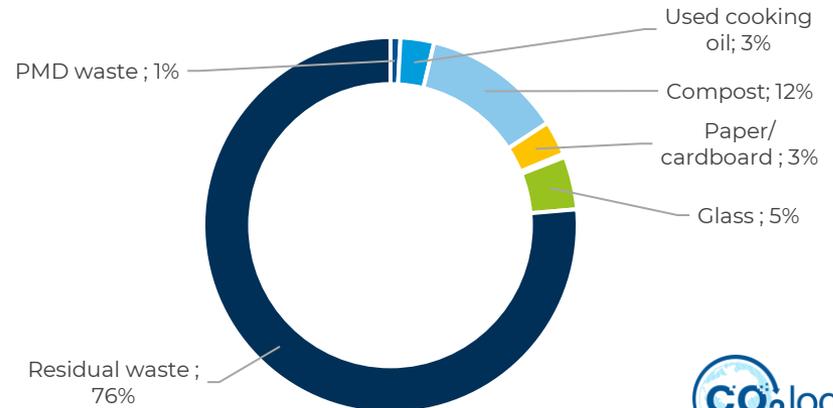
# Waste Carbon Footprint Results

- Compost is the main source of waste production representing 39% of the total amount of waste. Nevertheless, it's the residual waste that is responsible for most of the emissions (76%) because it cannot be recycled.
- Further emissions reduction could be achieved by:
  - › Reducing waste
  - › Increasing the share of recycled waste
  - › Increasing the share of reused waste

Breakdown of waste production by source (% kg)



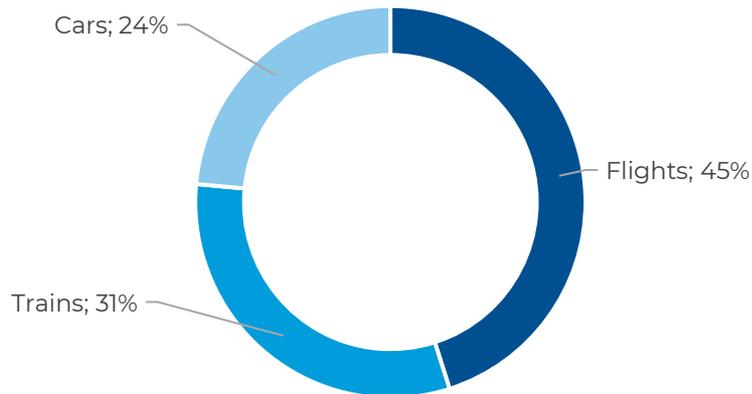
Breakdown of emissions (% tCO<sub>2</sub>e)



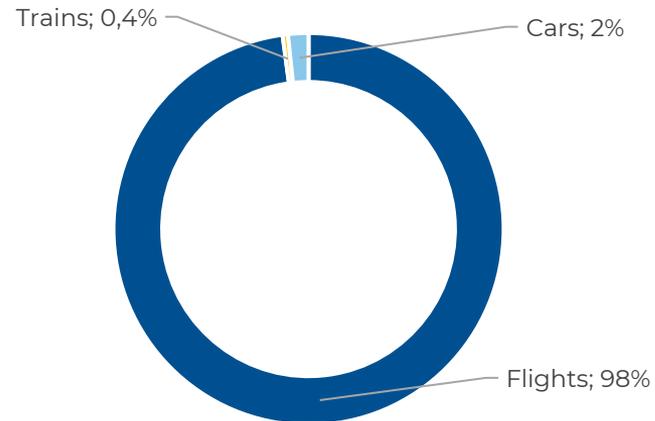
# Artists Mobility Carbon Footprint Results

- Even if only 45% of the artists took a flight to come to the festival, planes account for the highest emissions (98%). This can be explained by the higher emission factors for flights than for other transport modes.
- On the other hand, 31% of the artists took the train to go to the festival, which accounts for only 0,4% of the artists' mobility emissions. Further emissions reduction could be achieved by promoting train and shuttle transportation.

Breakdown of the number of artists per transport mode (% artists)

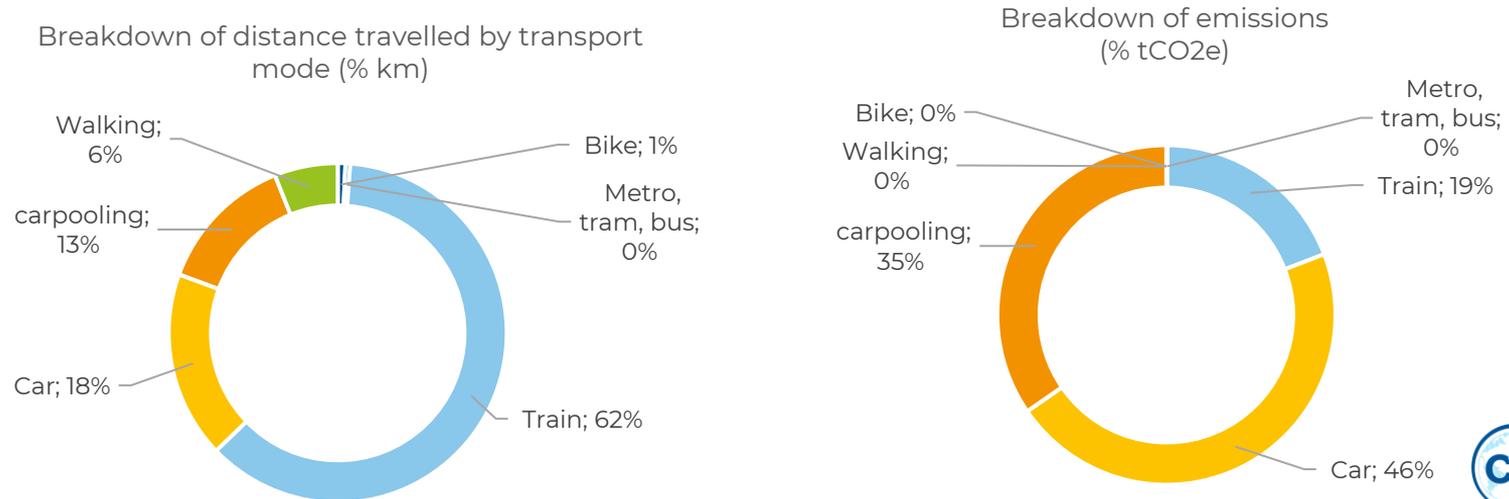


Breakdown of emissions (% tCO<sub>2</sub>e)



# Commuting Carbon Footprint Results

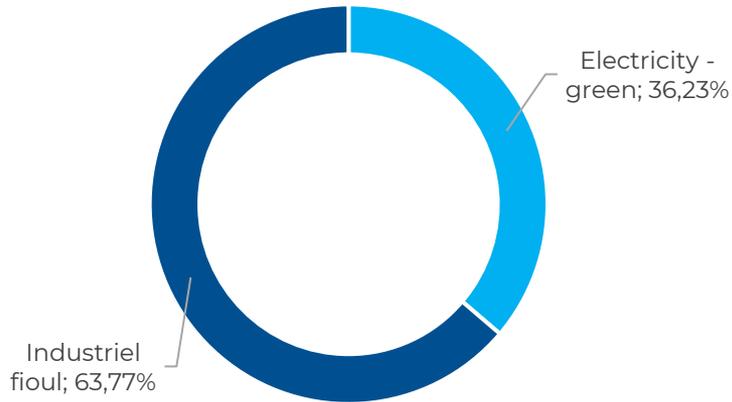
- Trains are the main source of distances traveled, representing 62% of the total distances, while cars are the main source of emissions representing 46% of the total emissions. This is mainly linked to the high emission factor for this mode of transportation.
- Paradise Garten could further decrease its emissions by promoting public transport through, for instance, partnerships with local train companies. It could also favor the use of the bike through price reductions for festivalgoers coming by bike, for example.



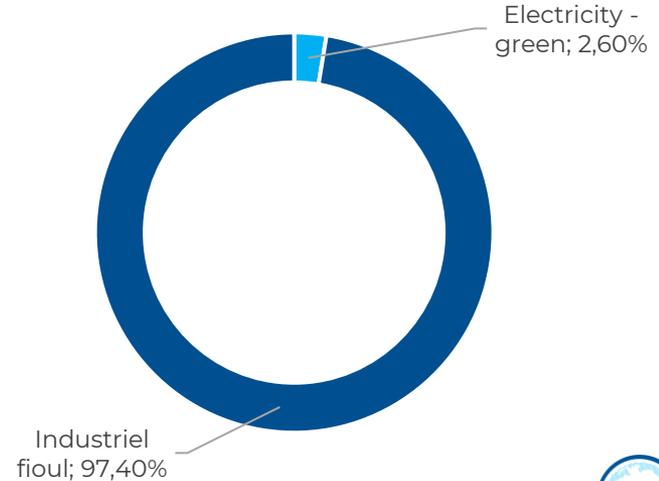
# Energy Carbon Footprint Results

- Industrial fuel used by generators represents 63,77% of the total kWh consumed and 97,40% of the total emissions.
- The amount of green electricity currently used originates from a wind farm located next to the festival.

Breakdown of energy consumption by source (% kWh)



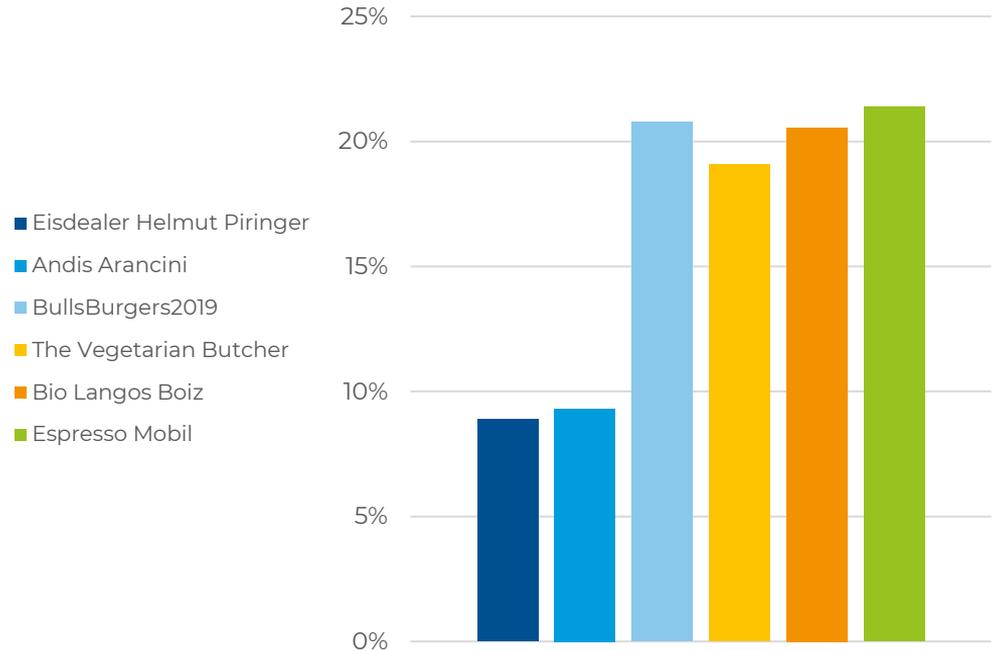
Breakdown of emissions by source of energy (% tCO2e)



# Foodtrucks Carbon Footprint Results

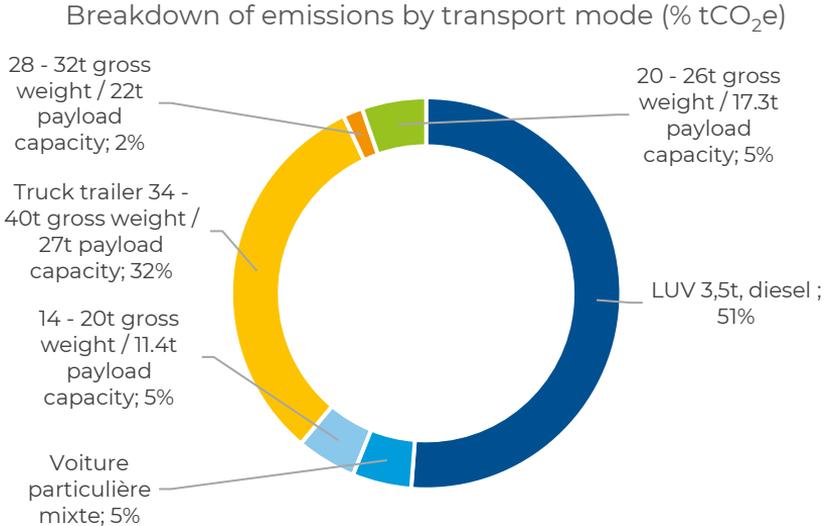
- Emissions per foodtruck are proportional to the number of dishes sold during the festival. In order to be able to distinguish emissions between the different types of meals, more information is required on the composition of the dishes.
- Further emissions reduction could be achieved by promoting and partnering with more vegan food trucks.

Breakdown of emissions by foodtruck (% tCO<sub>2</sub>e)



# Suppliers Transportation Carbon Footprint Results

- Diesel light utility vehicles are the main source of CO<sub>2</sub>e emissions representing 51% of the total emissions. This comes from the high emission factor for such mode of transport and from the large distances travelled and weight transported by this type of transportation.
- Further emissions reduction could be achieved by partnering with suppliers working with trains and electric transportation modes.



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