

Green House Gas Report VeloPlus

Initial situation



VeloPlus is a team of 190 enthusiastic cyclists and a leading specialist bicycle shop. Compared to private transport with combustion engines, cycling advances towards a low emission mobility and therefore makes an important contribution to climate protection and improving air quality. By signing the "Bike Charter" and the shiftcyclingculture initiative in autumn 2022, VeloPlus wants to drive sustainability within the company and the industry and significantly reduce its own footprint.

Project Goals


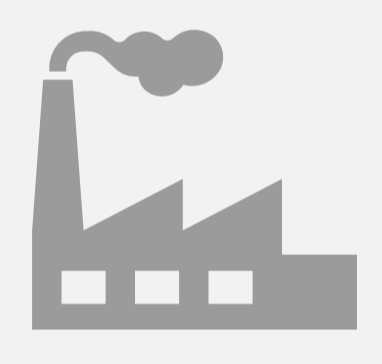
- Determine...
 - Scope 1 Emissions:** Direct and controllable emissions generated in stationary plants, in the vehicle fleet and for heating and cooling
 - Scope 2 Emissions:** Indirect emissions resulting from the provision of electricity, district heating or steam for all buildings
 - Scope 3 Emissions:** Indirect emissions resulting from employee mobility, business travel and internal transport of good
- The three Scopes will be summarized in a CO₂ environmental balance





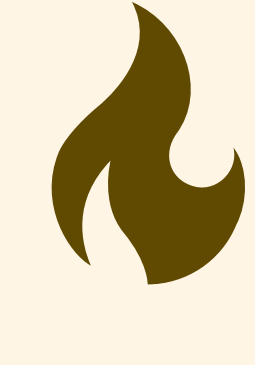
Scope 1 Direct GHG-Emissions

Emissions	kg CO ₂ eq
 Fuel Consumption of heating systems	113'322
 Fuel consumption of internal transport vehicles	4'363

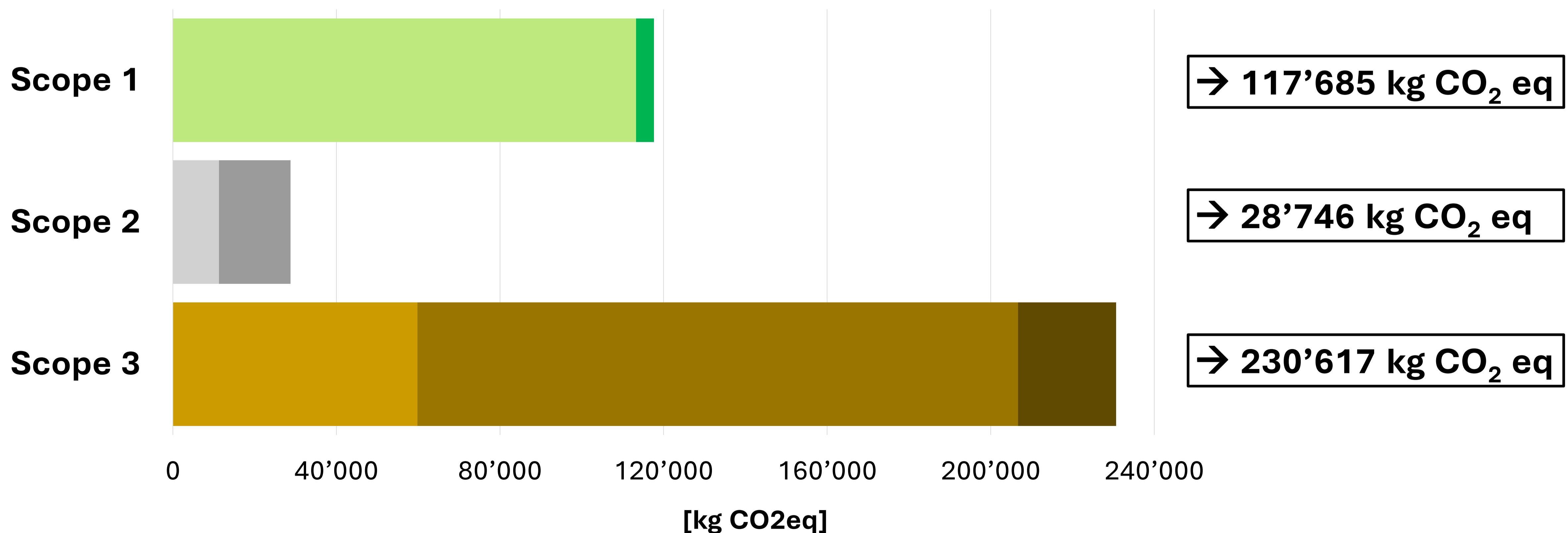
Scope 2 Indirect GHG-Emissions of electricity and external heat

Emissions	kg CO ₂ eq
 Electricity	11'277
 District heating	17'469

Scope 3 Other indirect GHG-Emissions

Emissions	kg CO ₂ eq
 Employee Mobility and business travels	59'788
 Fuel consumption of external transport vehicles	146'929
 Production of fuel and energy	23'899

Total emissions



Recommendation

The graph shows the results of the GHG analysis. The largest emissions occur in the buildings and in external deliveries. The team recommends VeloPlus to analyse these areas in more detail and to quantify uncertainties regarding energy counting and percentage emissions of the delivery more precisely.

In the buildings owned by the company, renewable energy sources like heat pumps can contribute towards reducing GHG emissions. External delivery could be partially replaced by company-owned vehicles and therefore enabling the reduction of emissions by using more efficient vehicles.

