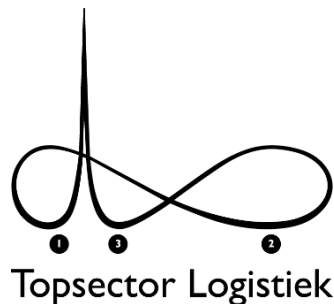


# Minimale footprint, maximale winst

Op basis van beschikbare data

Herman Wagter – Programma manager Topsector Logistiek



- Logistiek bevindt zich in een Perfect Storm
- Systeemniveau uitdagingen



### Leefbaarheid in steden

- Luchtkwaliteit
- Geluid
- Overlast
- Gevaar
- Ruimtebeslag(dure grond)
- Sterke stijging woonkosten
- Geeft druk op transportbewegingen



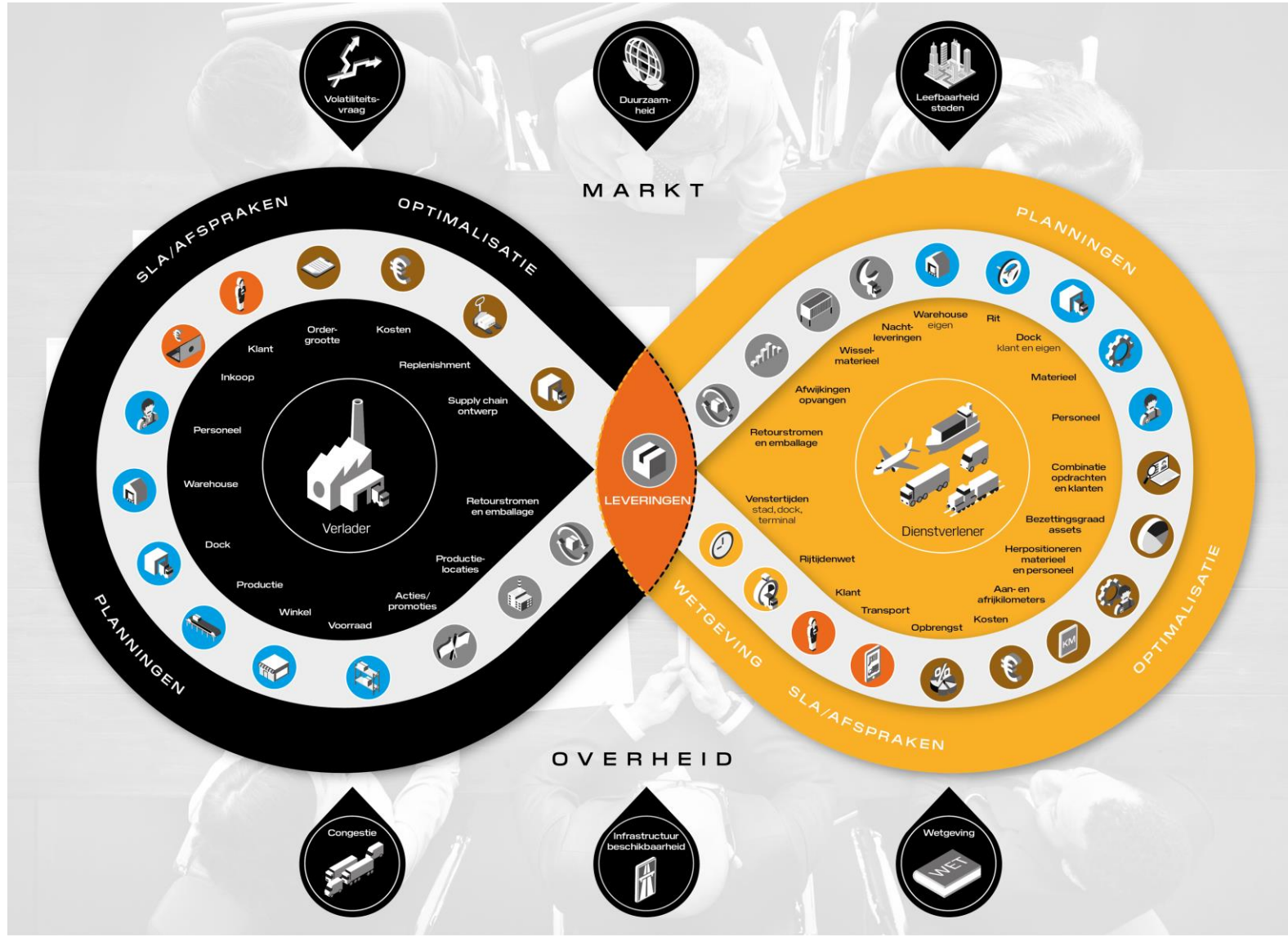
### Volatiliteit & Schaarste

- Toename volatiliteit consumentenvraag
- Marketing (acties) en aanbod diversificatie
- Instabiele Supply Chains (volatiliteit icm lage buffers)
- Personele schaarste
- Congestie
- Wachtrijproblemen (bottlenecks met vaste capaciteit -> docks, terminals)



### Klimaatverandering

- Reductie uitstoot maatschappelijke en wettelijke eis
- Onzekerheid over (des)-investeringen, technologische opties (versnipperd, onzeker)
- Onduidelijkheid wie initiatief neemt en wie wat betaalt
- Onduidelijk transitie pad
- Noodzaak om te monitoren en te rapporteren
- Noodzaak beheersing

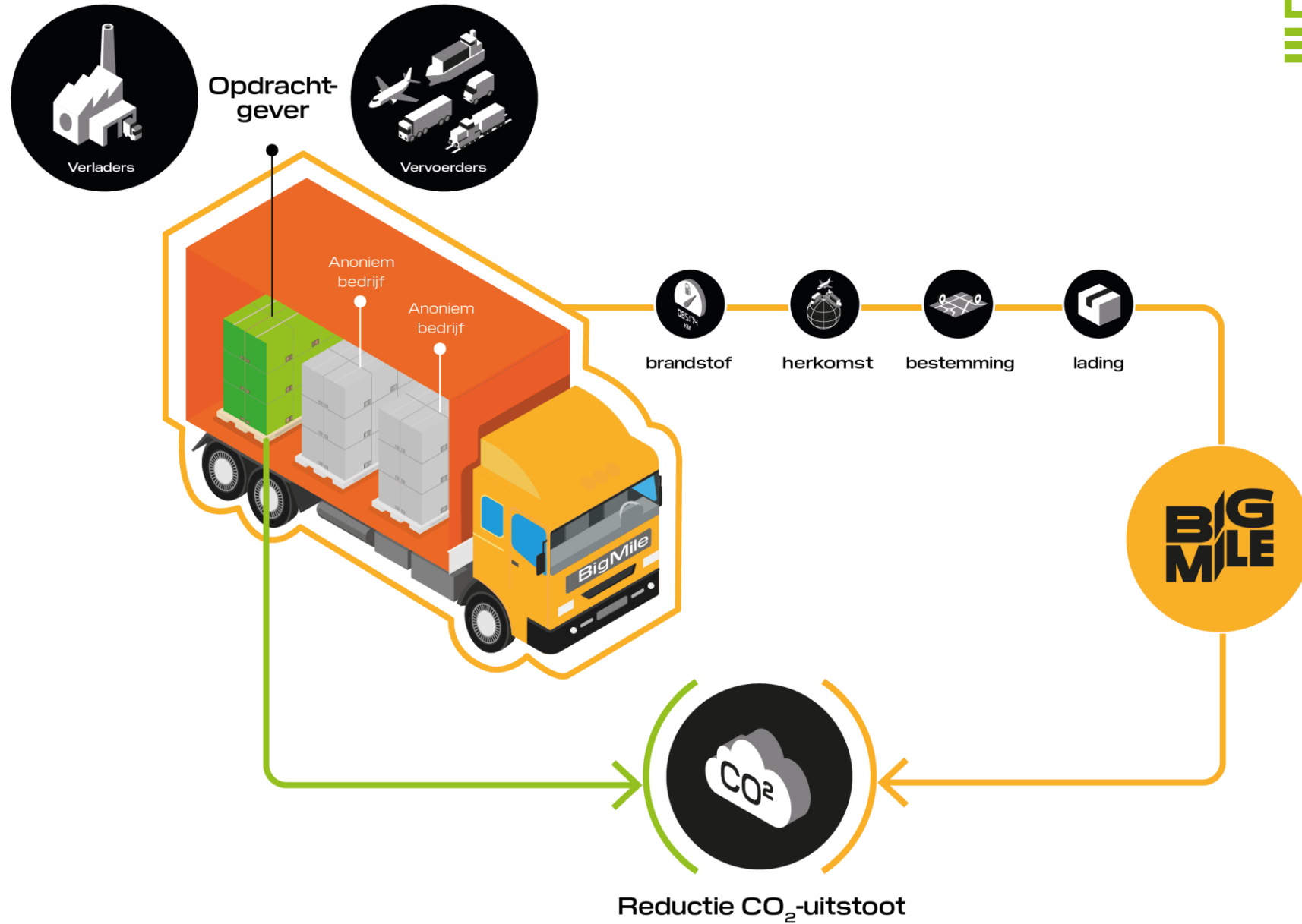


Tastbare verbeteringen liggen op het snijvlak van samenwerking tussen leverancier en klant.



Het BigMile platform is een vertrouwde partij met wie je logistieke data deelt.

Door data over elkaar heen te leggen wordt verbeterpotentie zichtbaar tussen samenwerkende partijen.



# Carbon Analytics

Customer number:

Report number:

**BIG  
MILE**



# Content

<b>Management Summary</b>	<b>3</b>
<b>CO<sub>2</sub> Emission per Customer</b>	<b>4</b>
<b>Transport Performance</b>	<b>6</b>
<b>Customers vs Own Average</b>	<b>8</b>
<b>Transport Performance Customers vs Own Average</b>	<b>10</b>
<b>Network</b>	<b>12</b>
<b>Benchmarks</b>	<b>14</b>
<b>Derived Indicators</b>	<b>16</b>



# Management Summary

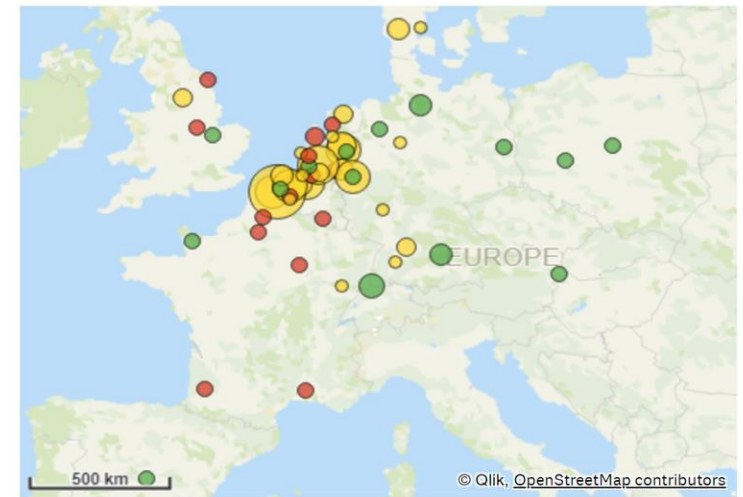
Emission (kg CO<sub>2</sub>) per Ton  
**14,38**

Total Ton Shipped  
**842,3k**

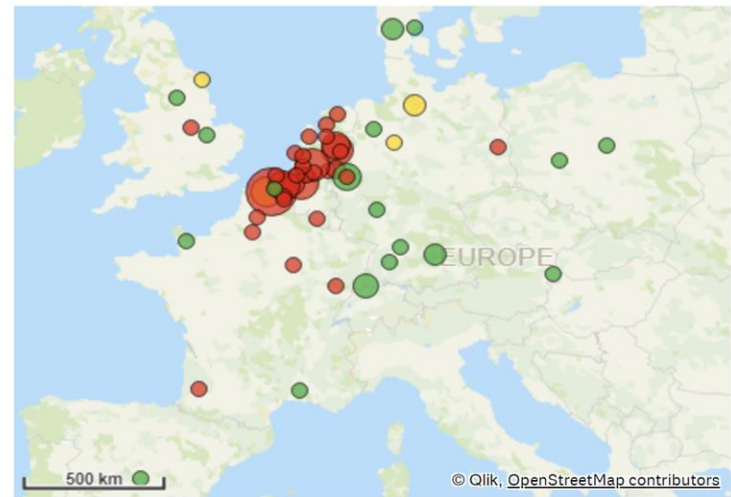
Total kg CO<sub>2</sub>  
**12,11M**

Emission (kg CO<sub>2</sub>) per Ton.km  
**0,053**

CO<sub>2</sub> per Ton (color) vs Ton shipped (bubble)



CO<sub>2</sub> per Ton.km(GCD) (color) vs Ton shipped (bubble)



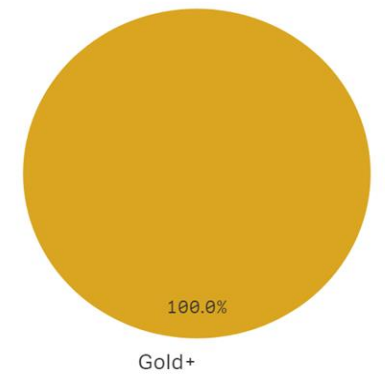
Data Completeness  
**100%**

# Countries  
**11**

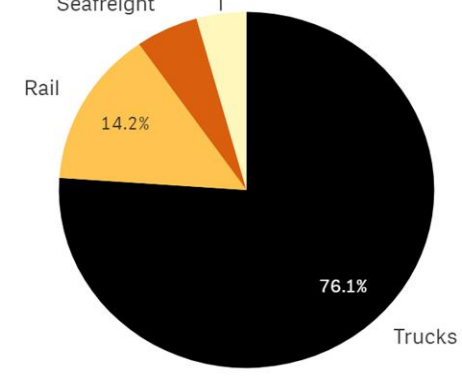
Number of shipments  
**2.333**

Data quality

Gold+



Domestic Shipping  
 Seafreight



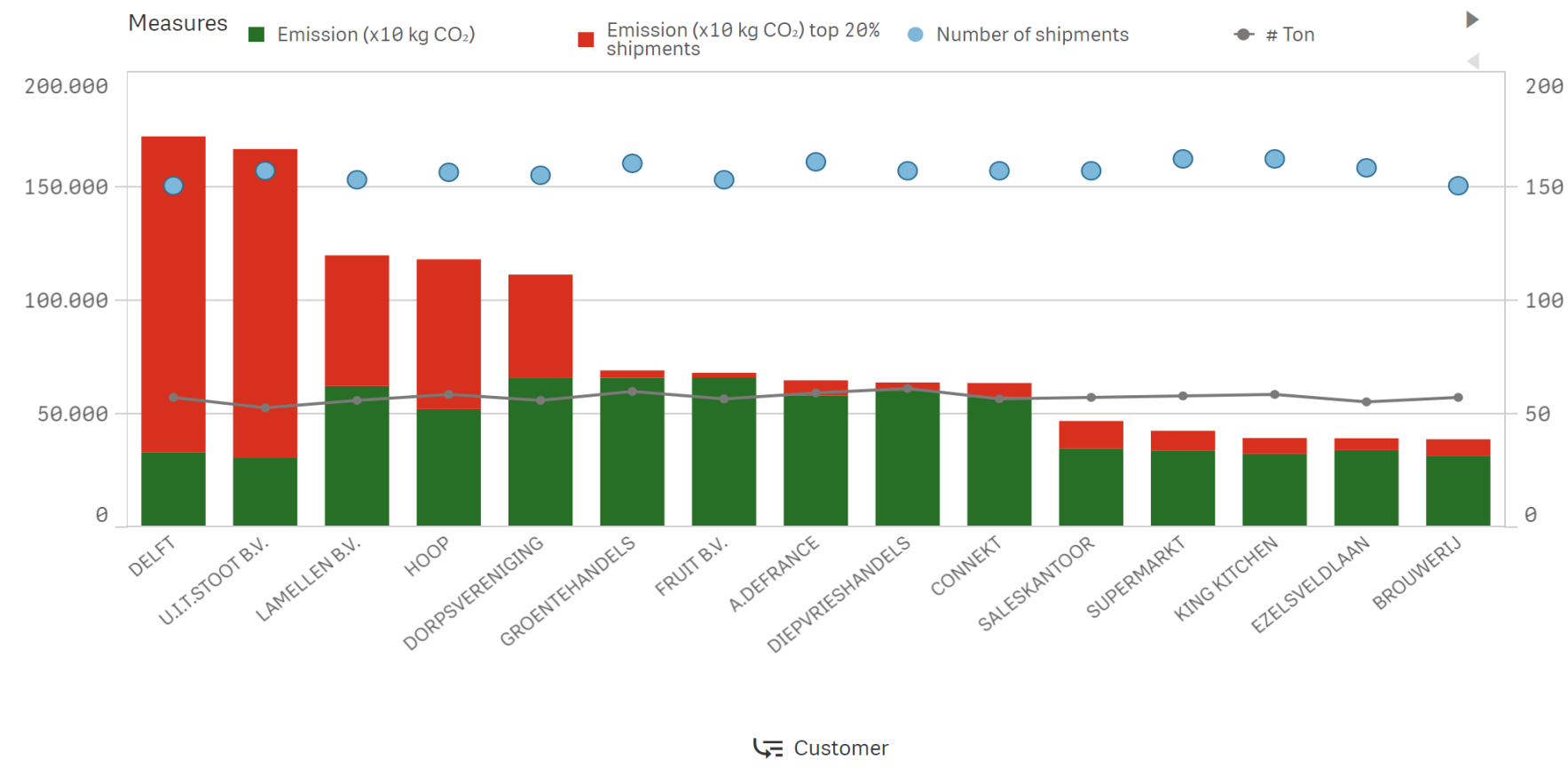
Modalities

- Trucks
- Rail
- Seafreight
- Domestic Shipping



## CO<sub>2</sub> Emission per Customer

20% shipments with highest emission per Ton



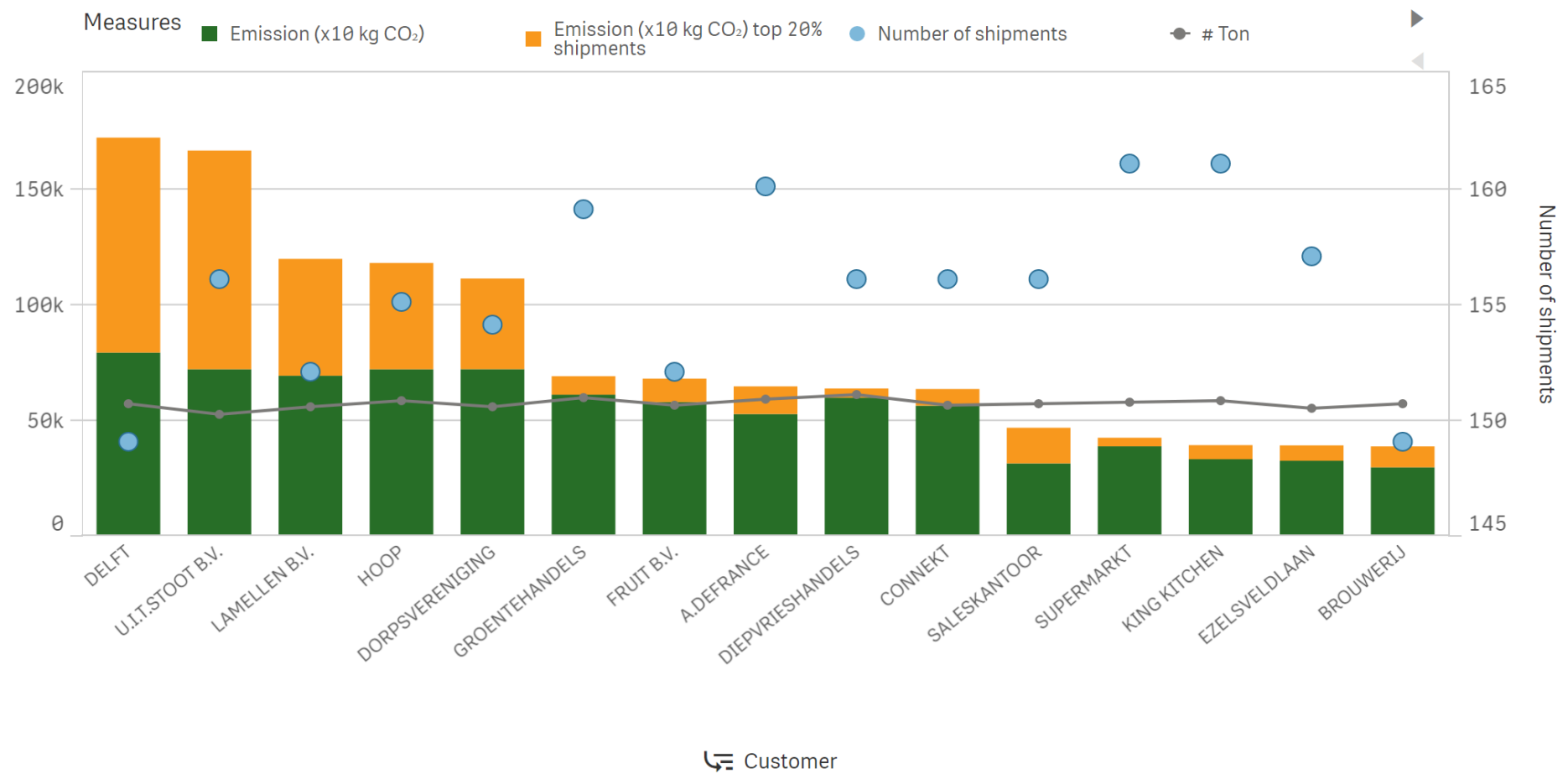
Total Ton Shipped  
**842,3k**

Total kg CO<sub>2</sub>  
**12,11M**

Emission (kg CO<sub>2</sub>) per Ton  
**14,38**

# Transport Performance

20% shipments with highest emission per Ton.km



Total Ton Shipped  
**842,3k**

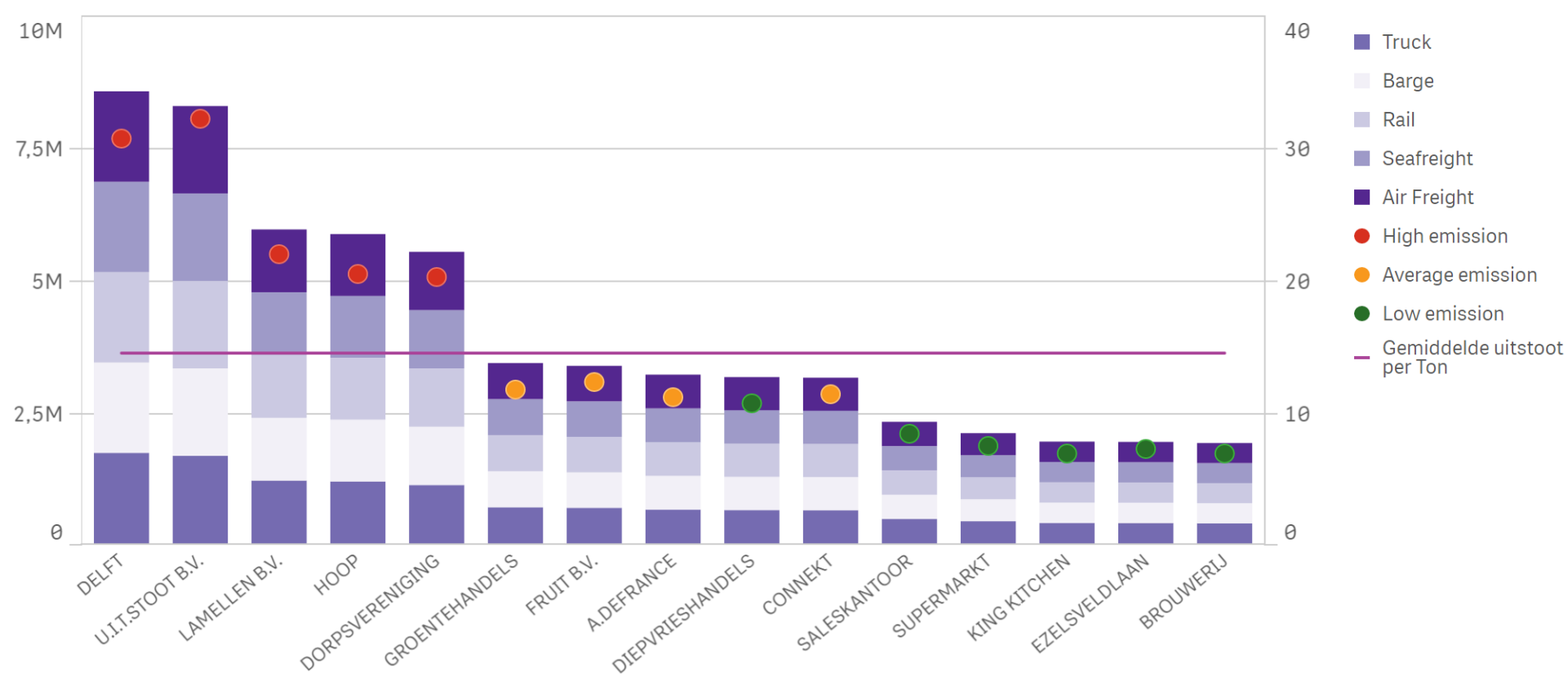
Total kg CO<sub>2</sub>  
**12,11M**

Emission (kg CO<sub>2</sub>) per Ton  
**14,38**

Customer

# Customers vs Own Average

Total emission & emission per Ton



Total Ton Shipped  
**842,3k**

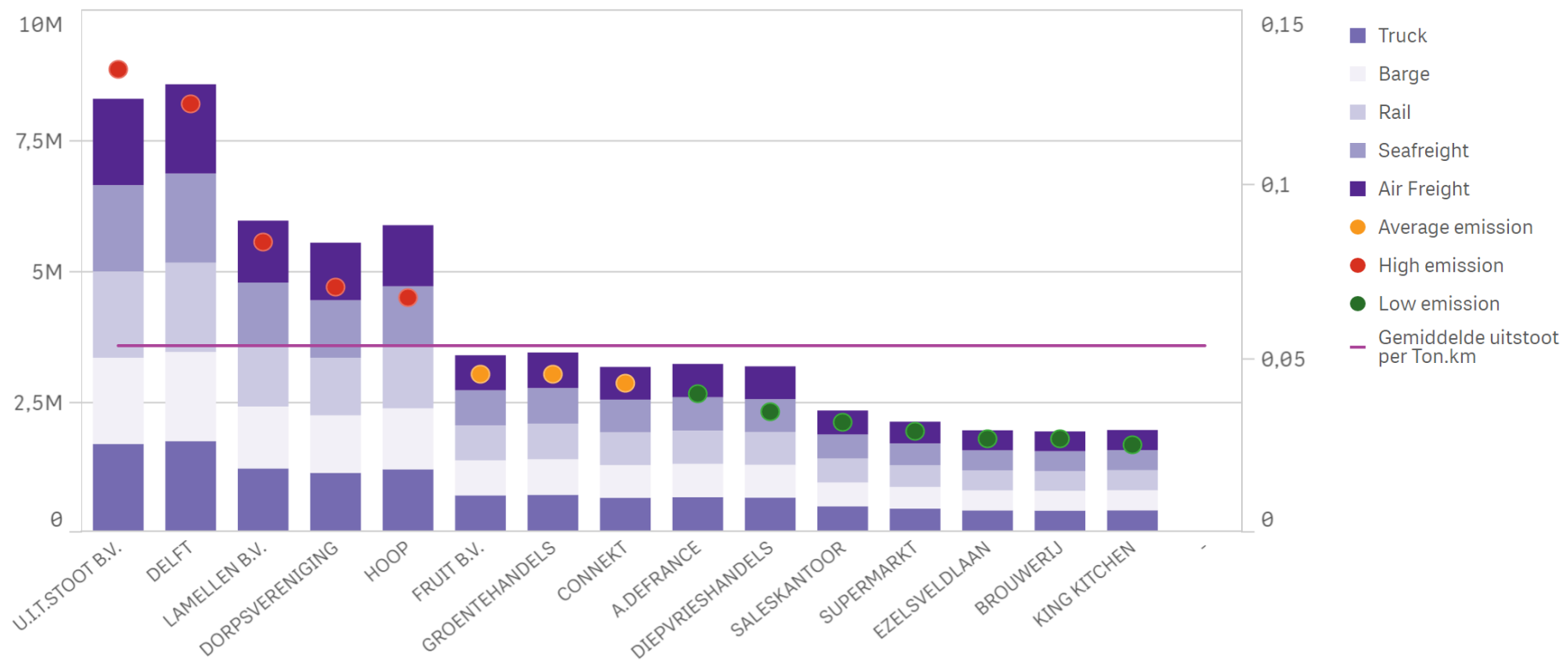
Total kg CO<sub>2</sub>  
**12,11M**

Emission (kg CO<sub>2</sub>) per Ton  
**14,38**

Customer

## Transport Performance Customers vs Own Average

Total emission & emission per Ton.km(GCD)



Total Ton Shipped  
**842,3k**

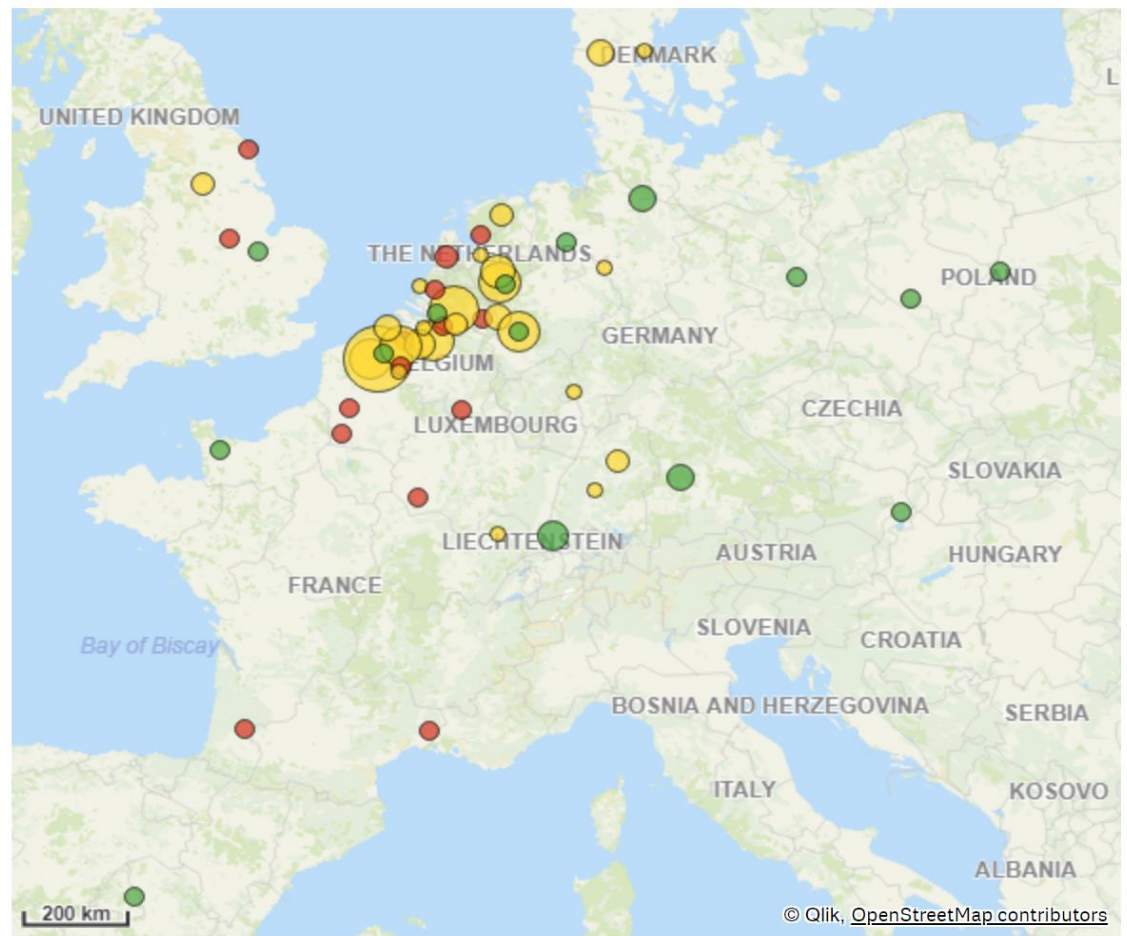
Total kg CO<sub>2</sub>  
**12,11M**

Emission (kg CO<sub>2</sub>) per Ton  
**14,38**

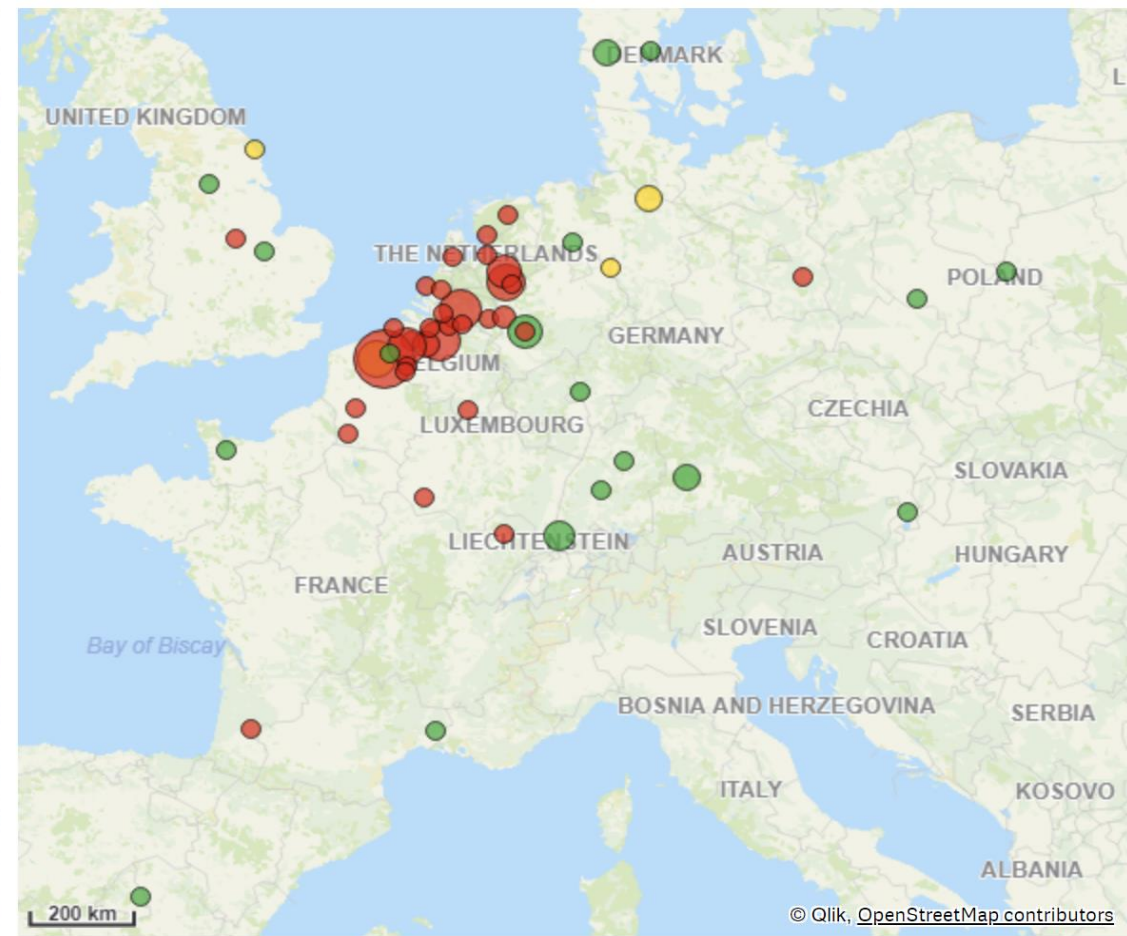
Customer

# Networks

CO<sub>2</sub> per Ton (color) vs Ton shipped (bubble size)

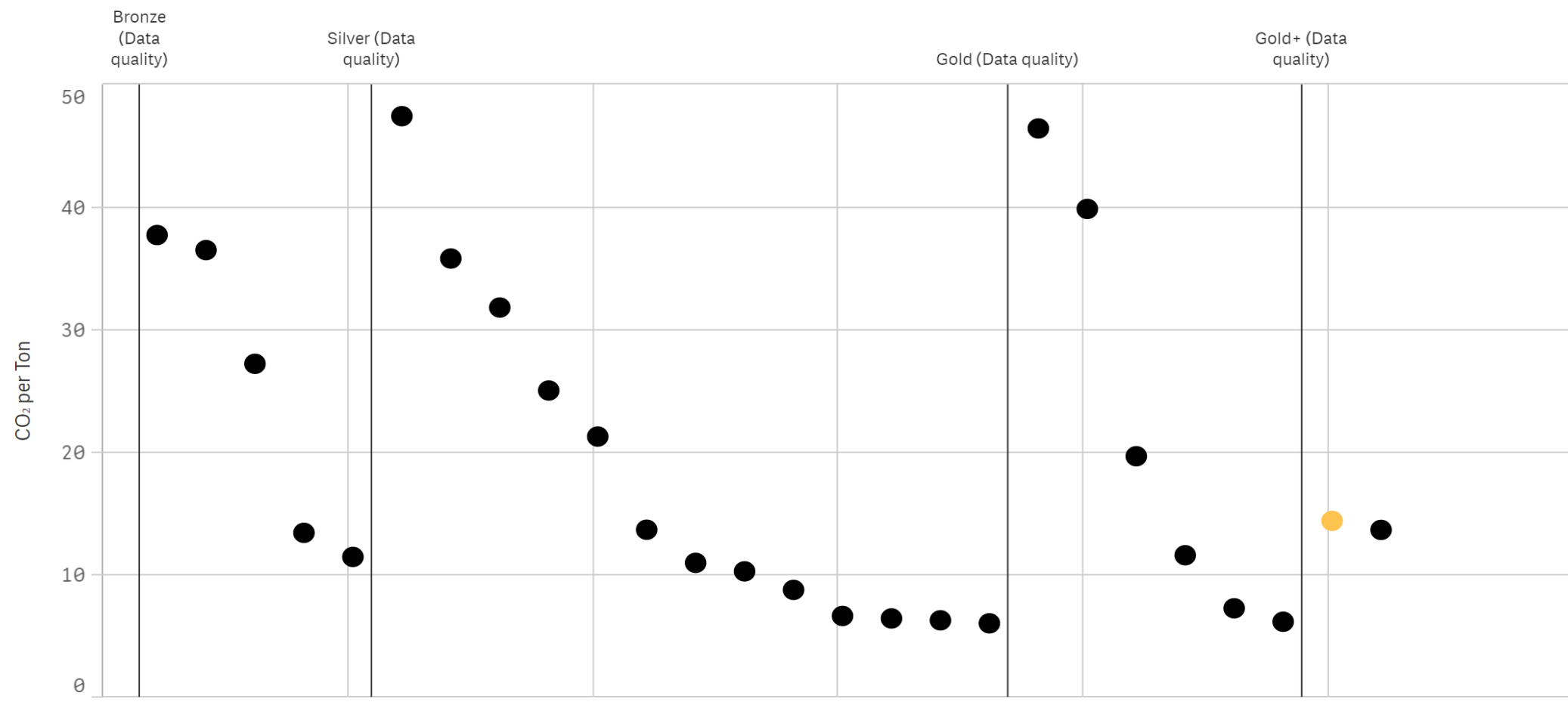


CO<sub>2</sub> per Ton.km(GCD) (color) vs Ton shipped (bubble size)



## Optional: Benchmark against Market

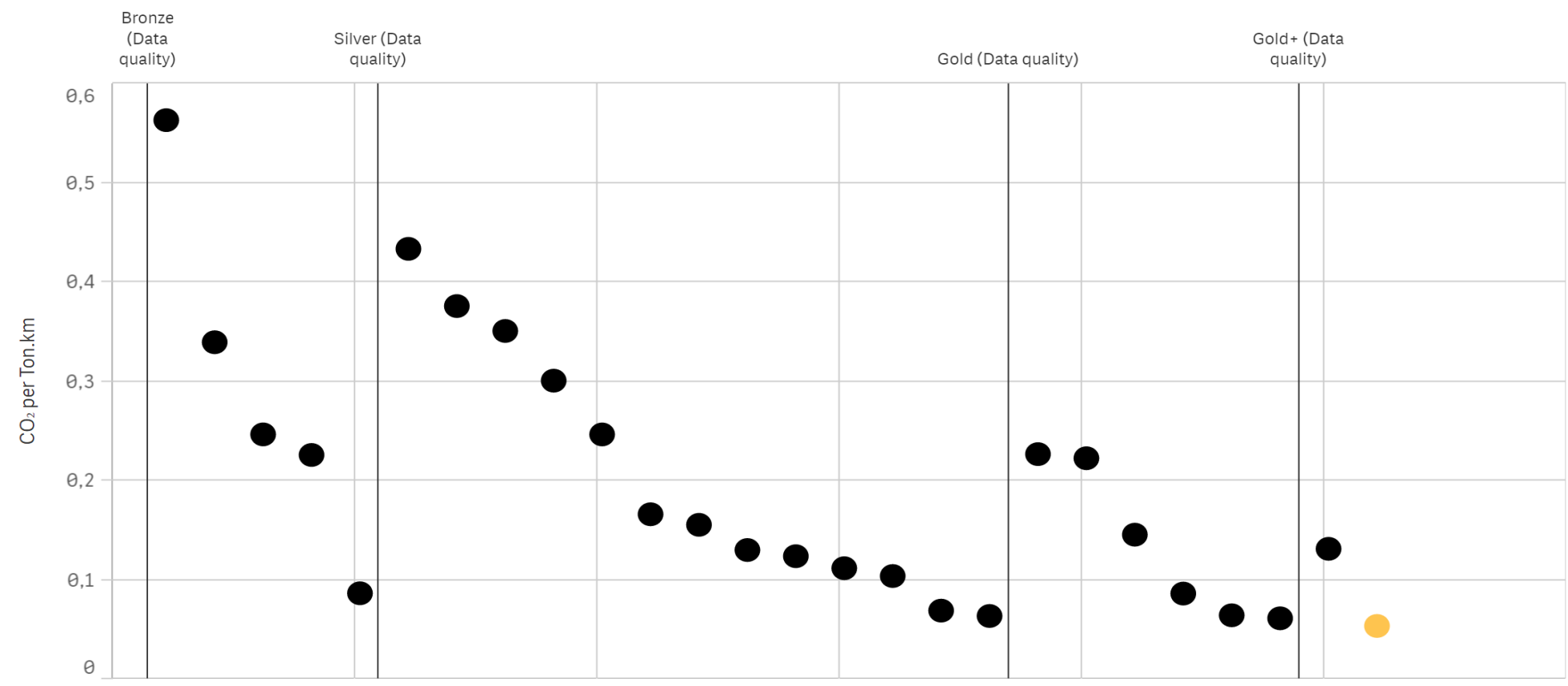
Benchmark: Emission (kg CO<sub>2</sub>) per Ton





# Benchmark your Transport Performance

**Benchmark: Emission (kg CO<sub>2</sub>) per Ton.km**



## Derived Indicators



Kg CO<sub>2</sub>  
**12,11M**

Kg CO<sub>2</sub> per Ton      Kg CO<sub>2</sub> per Ton.km  
**14,38      0,053**



Kg CO<sub>2</sub>  
**11,62M**

Kg CO<sub>2</sub> per Ton.km  
**0,042**



Kg CO<sub>2</sub>  
**10,14M**

Liters of Fuel  
**3,78M**



Kg CO<sub>2</sub>  
**12M**

Brandstof (liter diesel) per Ton.km  
**0,013**

# Voorbeelden uit de praktijk





**MOONEN**  
packaging

- Magazijn
- Uitbesteed transport
- Kilometers reductie
- CO<sub>2</sub> per ton en ton.km
- CO<sub>2</sub> per klant
- Belading & LZV
- Derde Lean & Green ster

# CHEP

A Brambles Company

- Inzicht door analyse
- Samenwerking / retourlading
- Transport op behoefte ipv lijndienst
- Volle vrachten



ahead with  
smart logistics

- Target, CO2 -/- 40%
- Target fijnstof -/- 80%
- Elektrisch/brandstof
- LNG en Euro6
- Bakwagens aangepast
- Het nieuwe rijden & software
- Bakfietsen
- Samenwerking met grootste concurrent





**Royal Swinkels**  
family brewers

- Landvervoer, barge en zeevracht
- Obv analyse, samen met dienstverlener verbeteren
- Derde Lean & Green ster!

Bedankt!

Heeft u vragen?