

SCE Dashboard - CO2 Footprints

			CO2 (TO) + CO2 (TO) / km + CO2 (TO) / Transported Tons
			TIERS - CO2 Emissions QVSCE_BW_QRY_MVSDTR01_0013
Global Filters	Period	Month Year	Ship Actual for Ship [C_SHIPNU2__C_COMPMON]
	Geography	Zone	Ship Dep Geo Zone [C_PNTDP3__C_ZONE]
		Country	Ship Dep Country [C_PNTDP3__0COUNTRY]
	Organization	GBU	BFC GBU [C_SUBACT2__CPFCTR1_2]
		Legal Entity	Company code [C_COMPCDE]
		BU	BFC Group of activity [C_SUBACT2__CPFCTR2_2]
		Site	Purchasing Site [C_PLANT__C_PSITE]
Specific Filters	Transportation	Transport Mode	Stage Transportation [C_SHPTP_2__C_TR_MODE]
	Destination	Ship Dest Country	Ship Dest Country [C_PNTDS3__0COUNTRY]
		Ship Dest Zone	Ship Dest Geo Zone [C_PNTDS3__C_ZONE]

Reference date:

Shipment completion date

KPI:

CO₂ & CO₂ / km & CO₂ / Transported Tons

**Solvay's carbon price**

Since January 1st, 2016, Solvay applies an internal price for CO₂ emissions at **25 €/TO CO₂** to take into account climate challenges in its investment decisions.

Formula for CO₂ calculation:

Tons of CO₂ =
$$\frac{\text{Transported tons}^{(1)} \times \text{Distance (km)}^{(2)} \times \text{CO}_2 \text{ emission factor}^{(3)}}{1\,000\,000}$$

⁽¹⁾ Transported tons = Delivery Item Gross Weight

⁽²⁾ Distance = provided by EcoTransIT

⁽³⁾ CO₂ emission factor = based on CEFIC guidelines

Transport Mode	gCO2/tonne-km
Air	602
Barge	31
Intermodal Road Rail	26
Intermodal Road Barge	34
Ocean	8
Pick-Up	8
Rail	22
Road	62



Shipment file

CO2 footprint is calculated for each and every one shipment file present in TIERS. (Inbound and Outbound)

TIERS: Number of single shipment files (shipment operation assigned to one Forwarding Agent) Thus, it depends on each GBU process.