

Semantic Interoperability

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SFC's mission: decarbonize the freight sector

...by creating standards, fostering collaboration and educating our members!

We guide the global logistics industry to track and reduce its GHG emissions to

Reduce
ONE
billion tonnes
CO₂e
by 2030

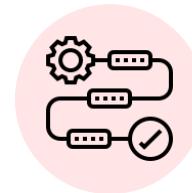
and to reach

ZERO
emissions
by 2050
or earlier!

We have published a **methodology** which is now an ISO standard and is also the **backbone** of CSRD and CountEmissions.EU

We **collaborate** with our global partners to quantify impact, enable emissions monitoring and fast-track logistics decarbonization strategies

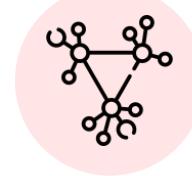
We do that by leading participatory projects where the industry can convene, debate and reach consensus



We are testing **methodologies** on calculation and allocation of logistics GHG emissions on transport legs & shipment level.



We are a **neutral party** allowing for knowledge sharing on carbon accounting & activating the industry to act!

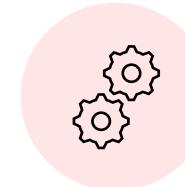


We work on **semantics & technologies** to promote interoperability between datasets and empower the stakeholders to create GHG emissions transparency!



It's all about semantics...

What have we accomplished and the way forward...



Our data model is framed **ex-post** for the calculation of logistics emissions on leg & fleet level per ISO14083. It is complementing the event-based FEDeRATED ontology.



Practical application of our semantics are the **use cases** of multi-modal emissions accounting, reporting and we are working towards B2G.



EU legislations are moving towards incentivizing increased data quality & transparency. This calls for cross-sector interoperable data standards.