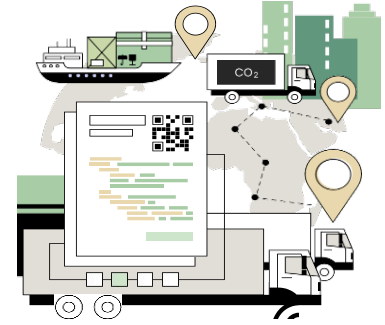


Let's create **greater Embodied Carbon awareness.**

The Carbon-ML Ecosystem collaborative, extensible, seamlessly integrating schemas and taxonomies, defining a global language for carbon.

<CarML> Carbon Messaging Language open-source, technology-agnostic, flexible standard for product and service CO2e information.



Track and trace CO2e for any product or service at any point along the supply chain



Consumer Goods

Supporting consumer goods would allow the "labelling" of approximately 100 million consumer products out of the box and be seamlessly integrated with existing inventory supply chains.

Procurement managers can compare based on Carbon quality. Informed consumers can take action.



Financial Markets

Supporting investment decisions by providing easier, more accurate tracking of embodied CO2e in companies products and services.



International Trade

Supporting international trade, customs and border agents, policies such as the EU Carbon Border Adjustment Mechanism (CBAM).

More accurate and standardized assessment of reporting of embodied carbon in products in line with customs carbon border policies.



Regulatory

Providing better CO2e data means cleaner procurement choices from suppliers and reduced scope 1, 2 & 3 upstream carbon.

Legislation, regulations and enforcement of Carbon policies like "buy clean" become manageable.

PoC Message Type - General

<CarML> Standard for CO2e Declaration
Fields can be customized based on message type, product and/or service.

General

Company Name: Aluminum Products Inc.

Product Name: Rolled Aluminum | Batch/Lot Number: 25/B23C4G5

Quantity: 25 | Unit of Measurement: Aluminum Roll

Is Verified Has Environmental Offset

Unique Id

Unique ID Source: Internal

Unique ID Type: Serial Number

Unique ID: 12345ABCDE

Amount

Declared Trait CO2e: 8300 | Amount: 8300 | Units: kg

Location of Purchase

City: Ingleside | State: TX | Country: USA

Longitude: -97.22409 | Latitude: 27.8665853

Declared Trait Data Source

Report Type: CarbonSig

Created By: Outside consultant | Approved By: COO

Declared Trait Measurement Methodology

Method: LCI | Date: 10/12/2021 08:00 am

Origin: US | Data Inputs: Absolute and Derived | Calculation: Cradle to Gate

Verifying Entity

Declared Trait Verifying entity: ISO Audit Firm | Credentials: ISO Auditor | Credentials Expiration Date: 12/31/2022 11:59 pm

Environmental Mitigation Instrument

Type: Carbon Credit

Vintage Year: 2018 | ID: 123456789

Amount: 8300 | Unit: kg

Product Destination

Business Name: Finished Aluminum Goods-R-Us

City: Frankfurt | State: | Country: Germany

Lng: 8.3495153 | Lot: 50.1210784

Business Transaction

Business Step: Sale of Aluminum | Disposition: Active

Transaction Type: Purchase Order | Transaction ID: 1234DGH | Transaction origination date: 08/15/2022 07:00 am

CANCEL CREATE