Steel emissions related data

Global Forum on Steel Excess Capacity

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World Steel Association

21 September 2022

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Disclaimer

worldsteel databases

worldsteel collects data from our members which are used for different purposes:

Steel production, trade and use	Life Cycle Inventory Data	Benchmarking System	Indirect Trade in Steel
Yearly, monthly, by countries, long timeseries, reported to public and members	The most comprehensive and accurate LCI dataset for steel products produced in the world	Six online assessment data collection or benchmarking systems are currently available via worldsteel	Huge database fully run in-house by worldsteel
Continuous from 1960s	16 steel products, from hot rolled coil to plate, rebar, sections and coated steels	Interactive comparison analysis tools	Flexible reporting

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worldsteel climate data

A subset of our data relates to climate impact and carbon intensity

- **Site-based carbon footprint data**, used for:
  - Tracking global industry performance and calculating global performance indicators
  - Allowing members to make site-based comparisons and benchmarks
  - Facilitating the development of site improvement plans through the step-up process
- **Product-based Life Cycle Inventory data**
  - Used by customers to assess and compare the environmental impact of products and applications, from the steel production stage to end-of-life, including recycling
  - Provides information on the environmental credentials of steel with the intention that specifiers and users of materials in applications have access to relevant data to facilitate informed decision-making
  - Increasingly used by regulators and governments

Demands for steel data are changing

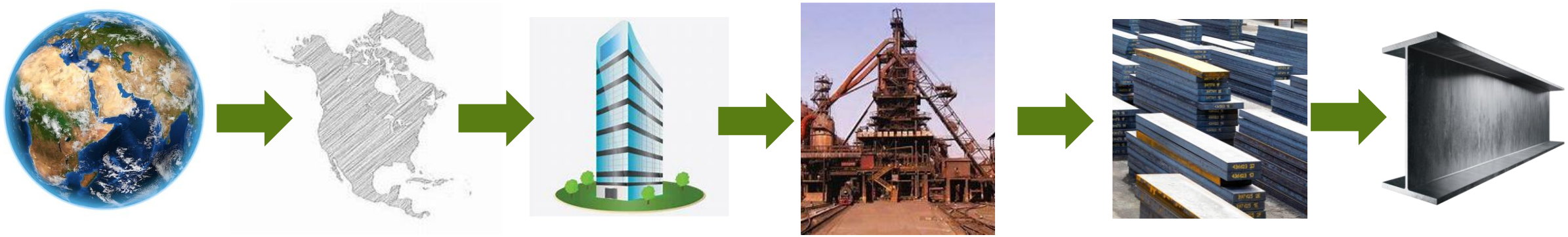
Granularity is becoming more important, e.g.

- Customers tracking their own scope 3 emissions and setting scope 3 targets
- Carbon intensity is becoming a differentiator
- To enable next-generation policy instruments (like Border Carbon Adjustment), increased granularity is needed

Increasing there will likely be a need to associate data with an actual product

Society will increasingly demand consistency, granularity, accuracy and traceability

Data needs in the 2020s and beyond



- For data to be usable in this way more granular data in needed, from average data to company data, to site data, to product level data
- There is a need for a consistent approach to carbon accounting:
  - Scope, boundaries, assumptions and emission factors

This leads to the need for an internationally standardised approach and ultimately common international standards for low and near-zero emission materials.

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