



# LCA Tools

## EPD Automation 14.05.2024

*Trond Edvardsen, CEO*





# Who we are?

LCA.no AS established by Norsus (Norwegian Institute for Sustainability Research).

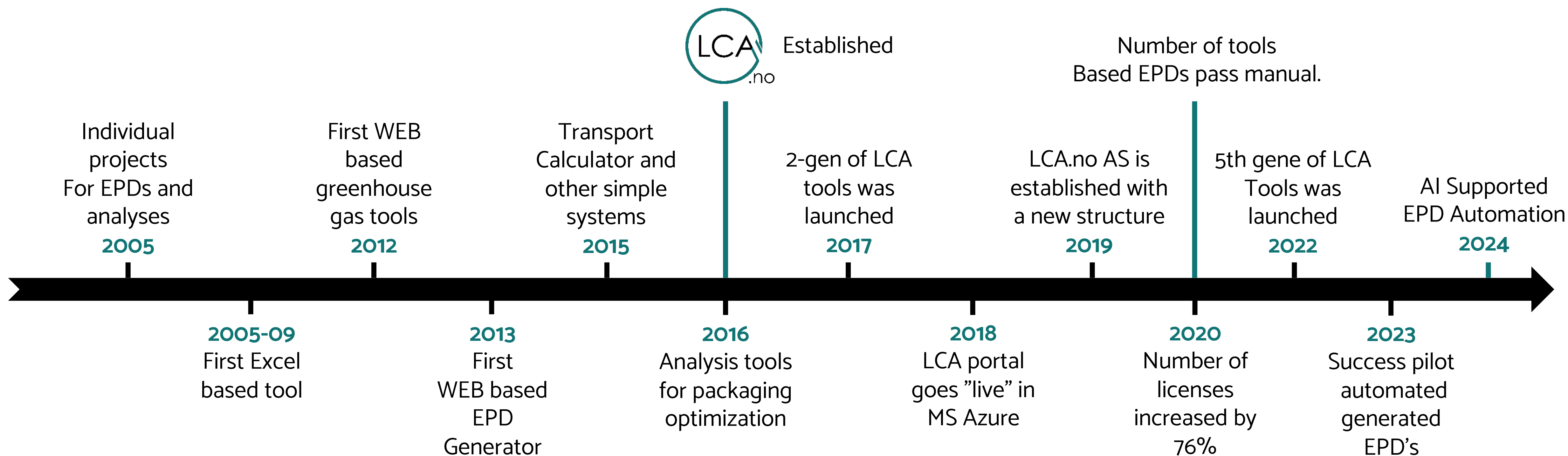
30 years of experience in developing environmental documentation as a basis for sustainable innovation

LCA is an internationally recognized and ISO-standardized method for environmental documentation

LCA.no AS is a supplier of SaaS application for automated verified digital environmental documentation



# Timeline

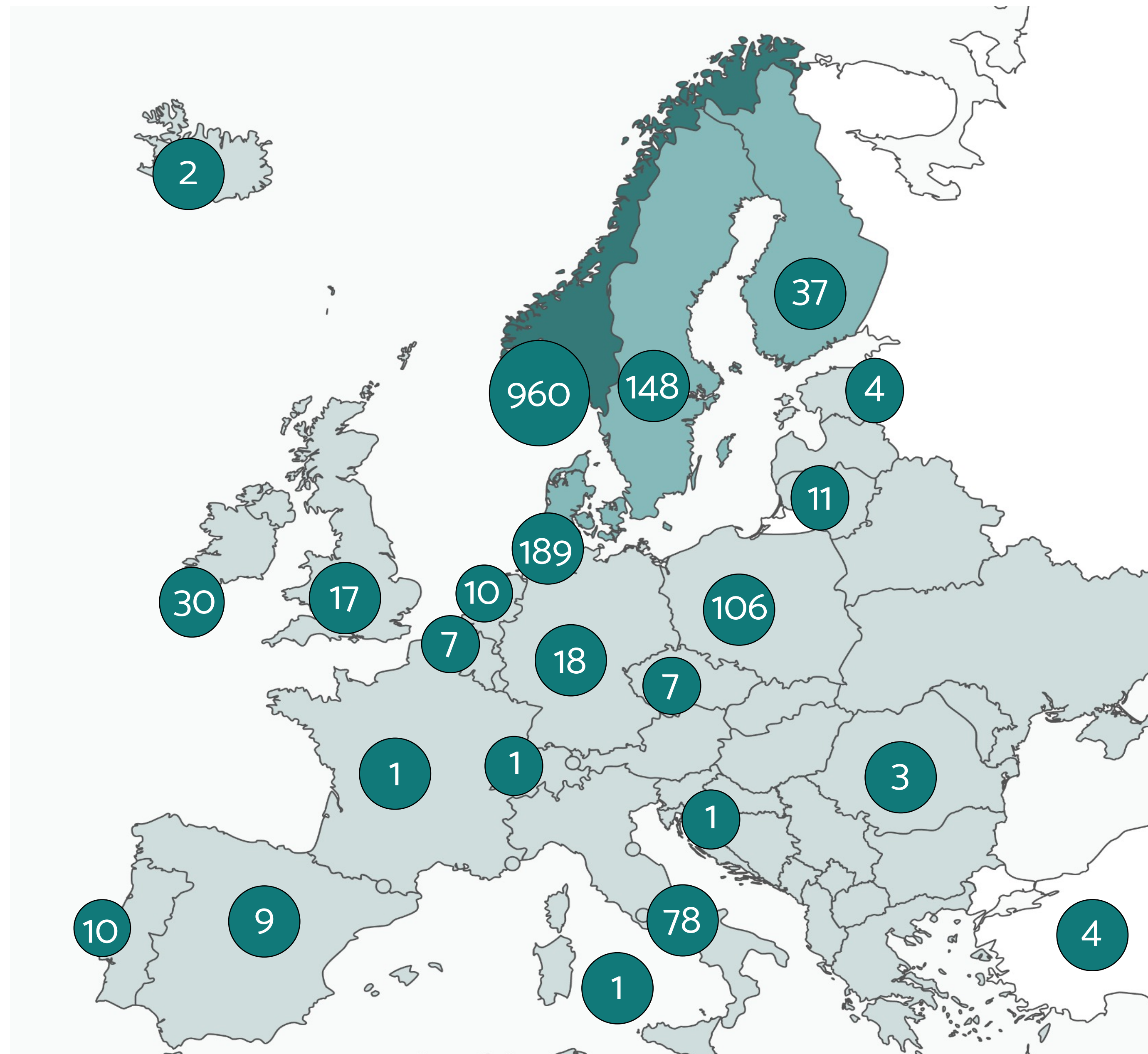


# LCA.no customer locations and production sites

Supplier of SaaS-based tools for analysis and documentation of environmental performance

Head office in Norway

Customers on 4 continents, the majority in Europe







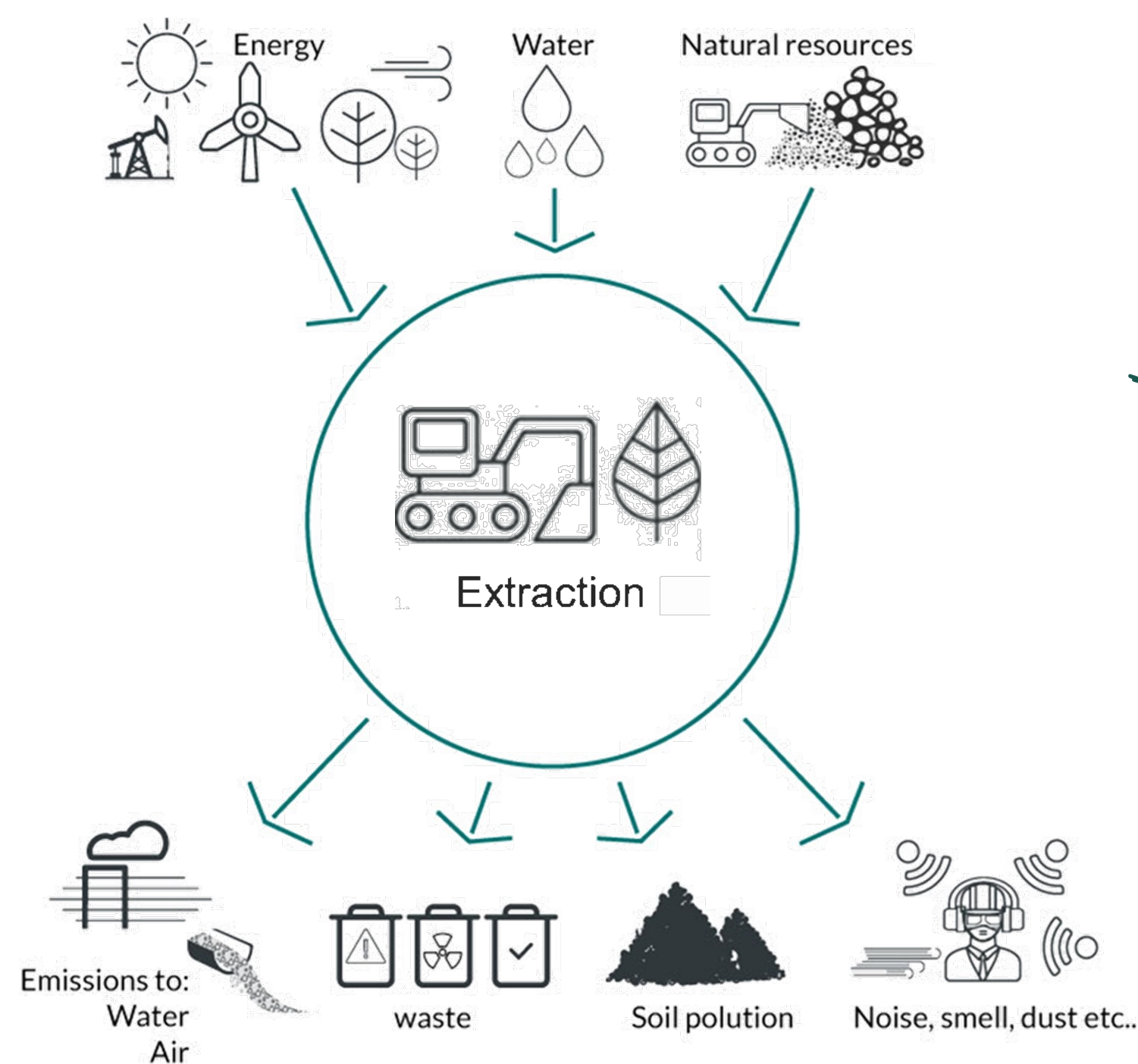
LCA DATA FLOW

# Data Flow





# EPD – from data collection to digital documentation

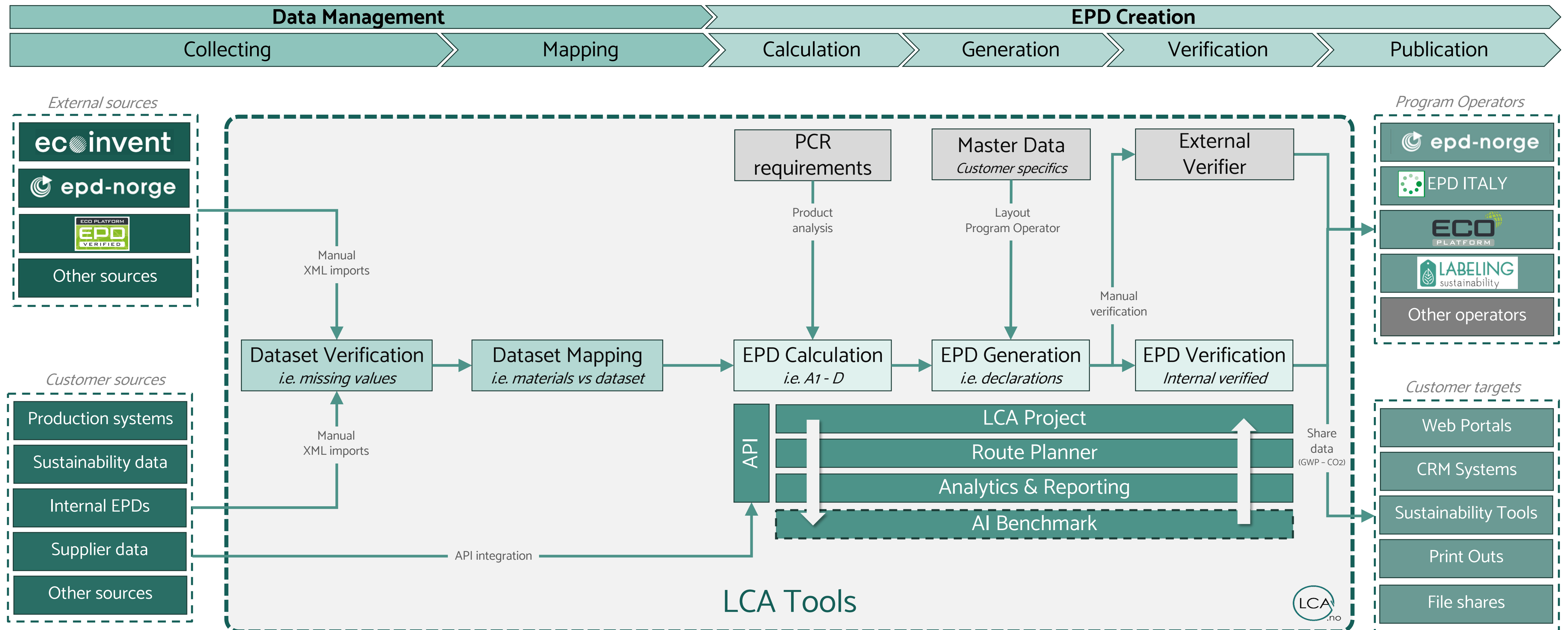


LCA.no has developed standardized tools and solutions to simplify the documentation process.

With our tools, our customers can independently develop ready-verified EPDs (Environmental Product Declarations)



# LCA Tools: Data Flow Overview



# Product Data Input

Our APIs are flexible and support different levels of data inputs



Air



Bloc



April



Kong



Hvilan



Stoop

Aluminium, CIRCAL 75%  
Tettelist  
Kjerneved  
Isolasjon  
Sink Primer  
Energiglass  
Sertifisert furu (Pinus)  
Terskel, eik  
Pulverlakk  
Maling  
Sparkeplate, kobber

207823	033 Aluminium Handle, Hoppe, ALMg3, Europe (kg)
207824	034 Acrylonitrile butadiene styrene (ABS), plastic parts, Global (kg)
207825	035 Nylon 6 or polyamide 6 (PA6), 25 % glass fibre, plastic parts, global (kg)
207904	036 Aluminium sliding door gear, ASSA, Winkhaus, Europe (kg)
207905	037 Wood components, pine, Sweden (kg)
207906	038 Metal, windows fittings, Siegenia/ROTO/Winkhaus/ASSA, Europe (kg)
207907	039 Metal, stainless steel 304, (18/8), global (kg)
207908	040 Metal, steel, FN-205, sintered, Europe (kg)
207909	041 Plastic parts, acrylonitrile styrene acrylate (ASA), global (kg)
207910	042 Metal, generic handles, Europe (kg)
207911	043 Aluminium, generic, Europe (kg)
207912	044 Plastic parts, nylon 66 or polyamide 66 (PA66), Europe (kg)
207913	045 Plastic parts, high density polyethylene (HDPE), Sweden (kg)
207826	046 Nylon 6 or polyamide 6 (PA6), plastic parts, Europe (kg)
207914	047 Powder coating application inc.powder prod., steel or alu., generic (kg) - GLO
207915	048 Metal, steel, Europe (kg)
207916	049 Metal, stainless Steel, Europe (kg)
207917	051 Metal, unalloyed structural steel, S185, Europe (kg)
208019	052 Metal, non-alloy quality steel, DC01, Europe (kg) - NorDan

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POST /api/Integration/CreateEPDHeading

POST /api/Integration/CreateEPDData/{epdHeadingId}

Products



Components



Datasets



API input



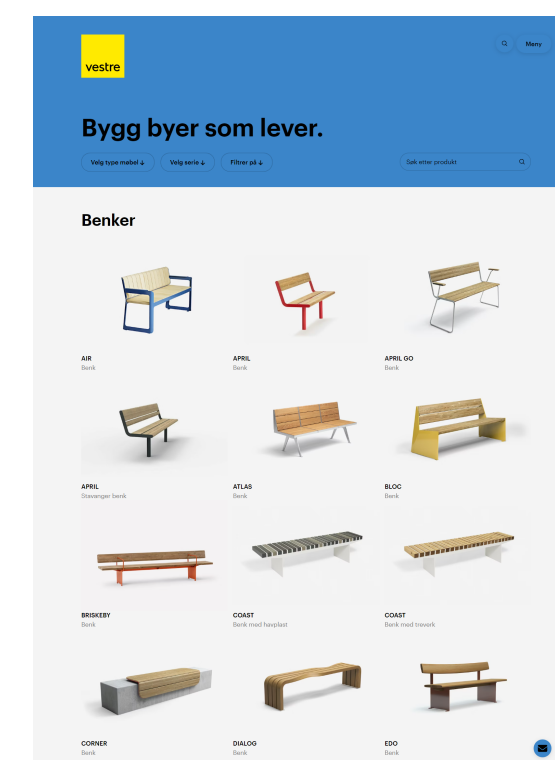
# Product Data Output

Calculated data are ready to be used anywhere

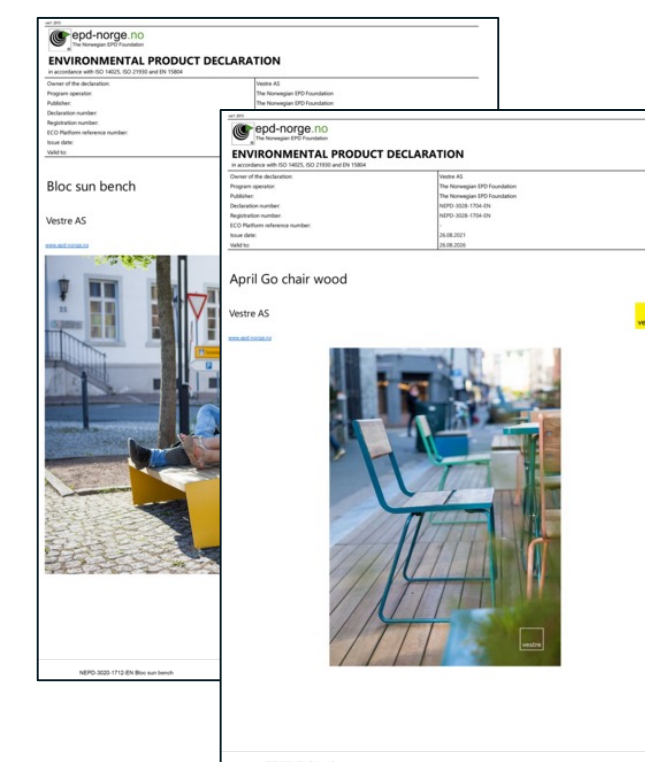
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GET	/api/Integration/GetDatasetup	🔒
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All data in the tool is available through APIs

Digital Product Catalogue

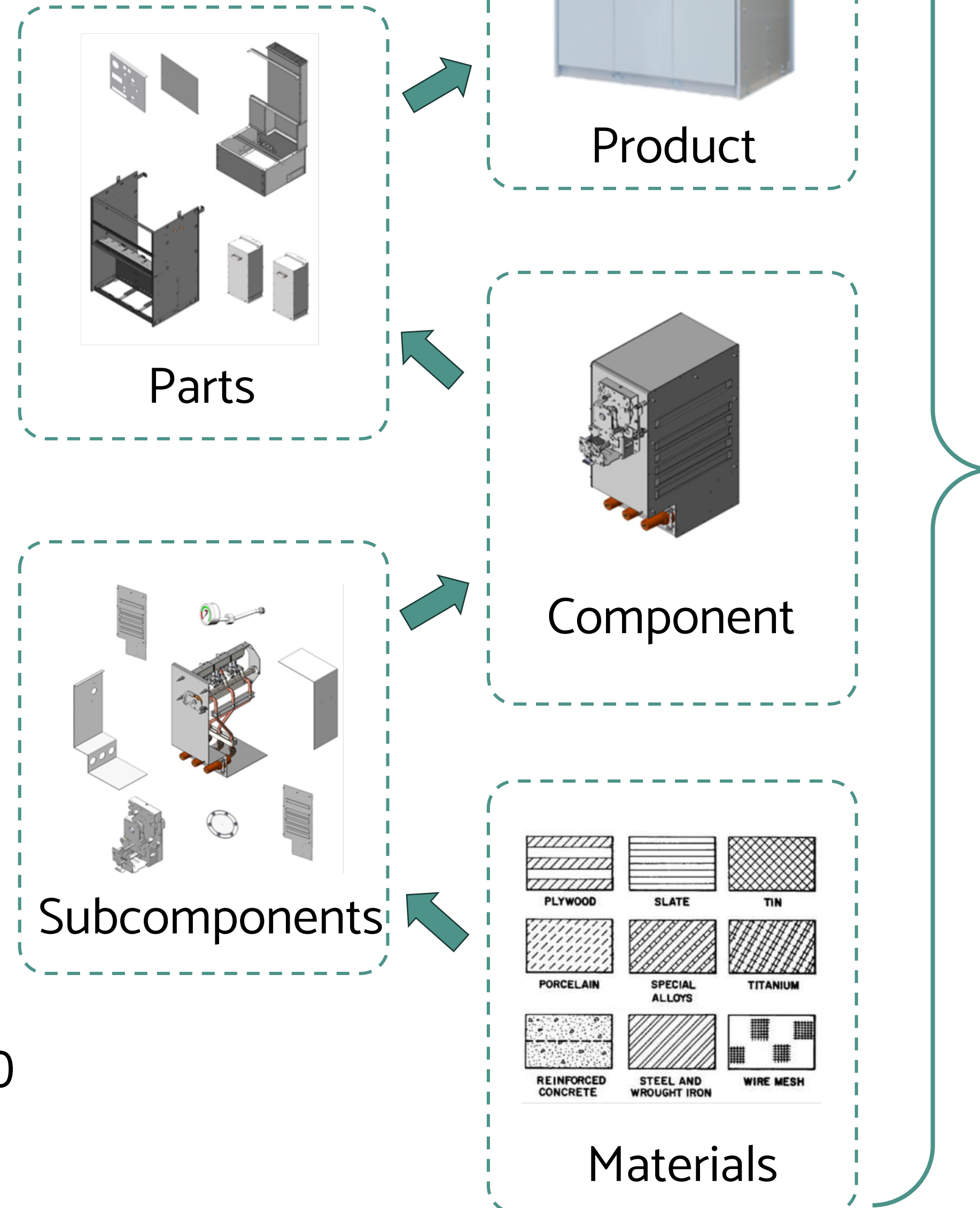


EPDs as PDFs



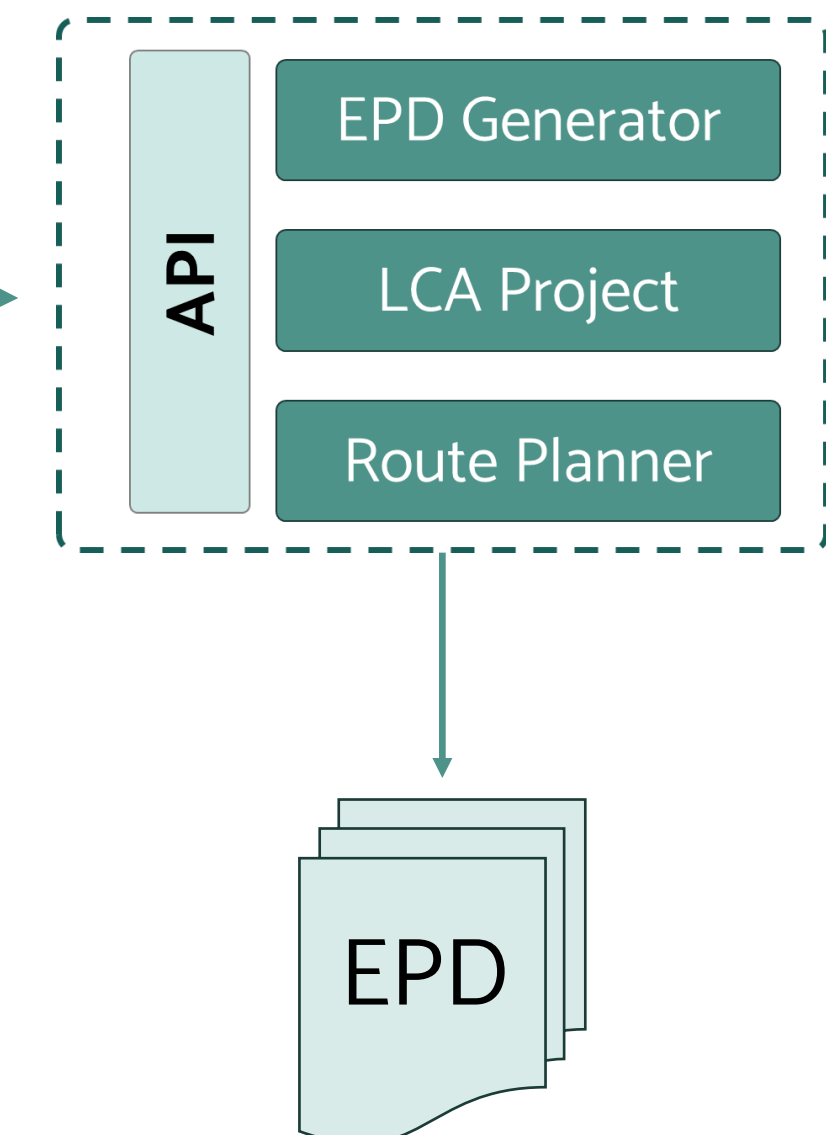


# Goal: Use Bill of Materials as input



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  </feature>
</reporter>
</IDOC>
```

XML format








**Prysmian**  
Group

**onninen** 

  
**TENSIO**

*“Only through close cooperation between customers and suppliers throughout the value chain can we achieve the UN's sustainability goals»*

