

We enable Product Carbon Footprint Automation

May 11, 2023 | CLEPA MRS Event | Andreas Fröhlich

Challenges for Automotive Companies

Product Carbon Footprint Requirements



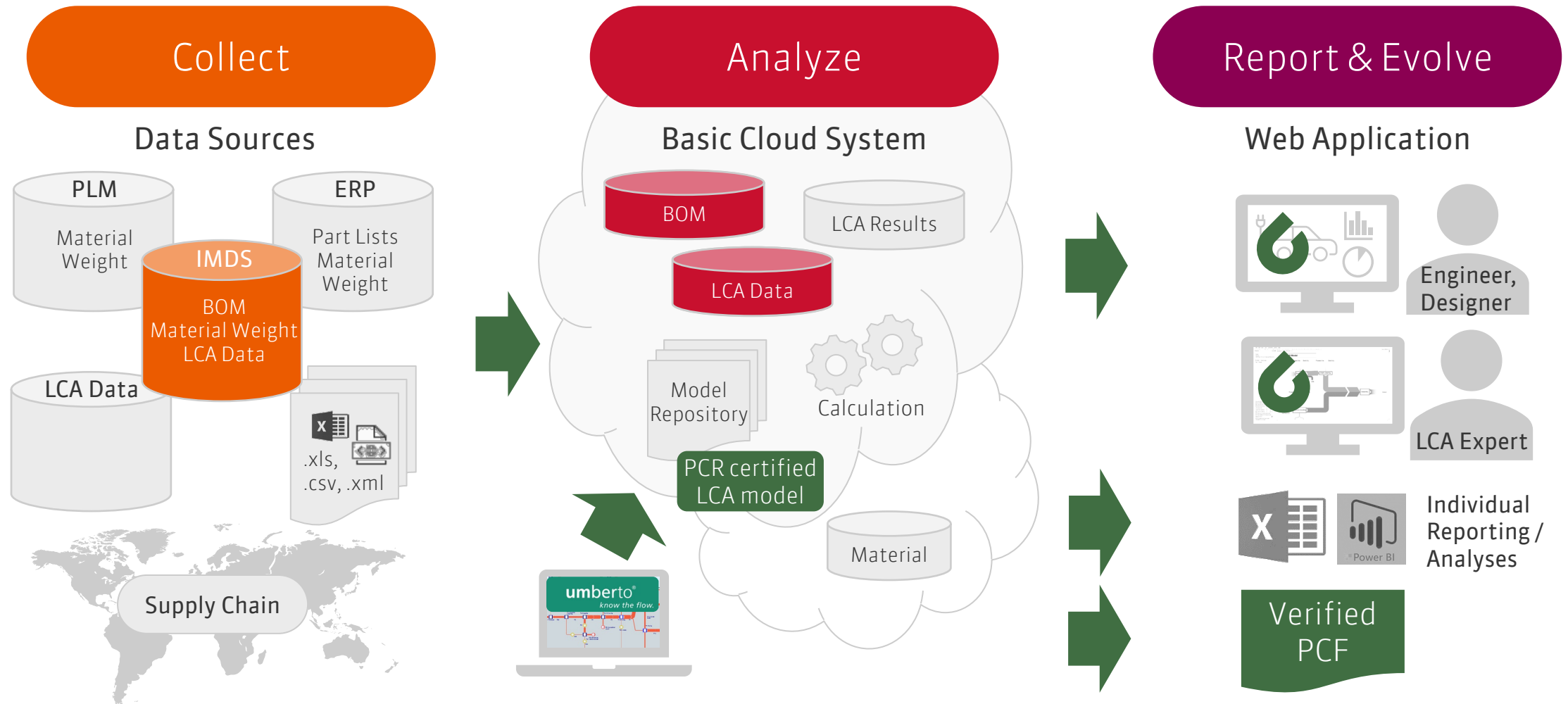
What Classic Reduction Methods may achieve

Focus: Scope 3



Workflow iPoint Product Sustainability

Combining Compliance & Sustainability



Automation of Life Cycle Assessments / PCFs

Mapping materials to LCA datasets

- Smart Mapping
- Machine learning system
- Import of BOM information
- Selection/confirmation of LCA datasets
- 80% of materials can typically be mapped automatically

Material Mapping (2 of 27)

Creation of Class Hints

1. Mark the text block that you want to use as classification hint

Name

SP251-440P

Component

MBR-CROSS,4TH LWR

Vda

1.1.2

2. Click the 'Add as Hint' button to apply the selected text.

+ Add as Hint

Classification Hints

sp251

1.1.2

LCA Dataset Mapping +

The dataset is selected according to the classification. You can change the selection or connect further LCA datasets to the selected Classification.

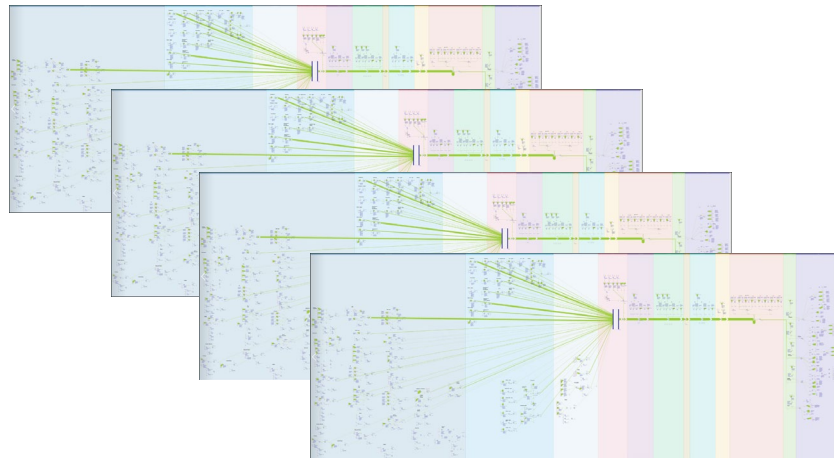
Factor	Product Name	Activity Name	Location	Source	Unit
☒	1 deep drawing, steel, 10000 kN press, automode	market for deep drawing, ...	GLO	ecoinvent 3.7	kg
☐	1 steel, low-alloyed	market for steel, low-alloy...	GLO	ecoinvent 3.7	kg
☒	1 steel, chromium steel 18/8	market for steel, chromiu...	GLO	ecoinvent 3.7	kg
☐	1 steel, chromium steel 18/8, hot rolled	market for steel, chromiu...	GLO	ecoinvent 3.7	kg
☒	1 sheet rolling, chromium steel	sheet rolling, chromium st...	RER	ecoinvent 3.7	kg
☐	1 sheet rolling, chromium steel	sheet rolling, chromium st...	RoW	ecoinvent 3.7	kg

Automation of Life Cycle Assessments

Based on Generic Modelling

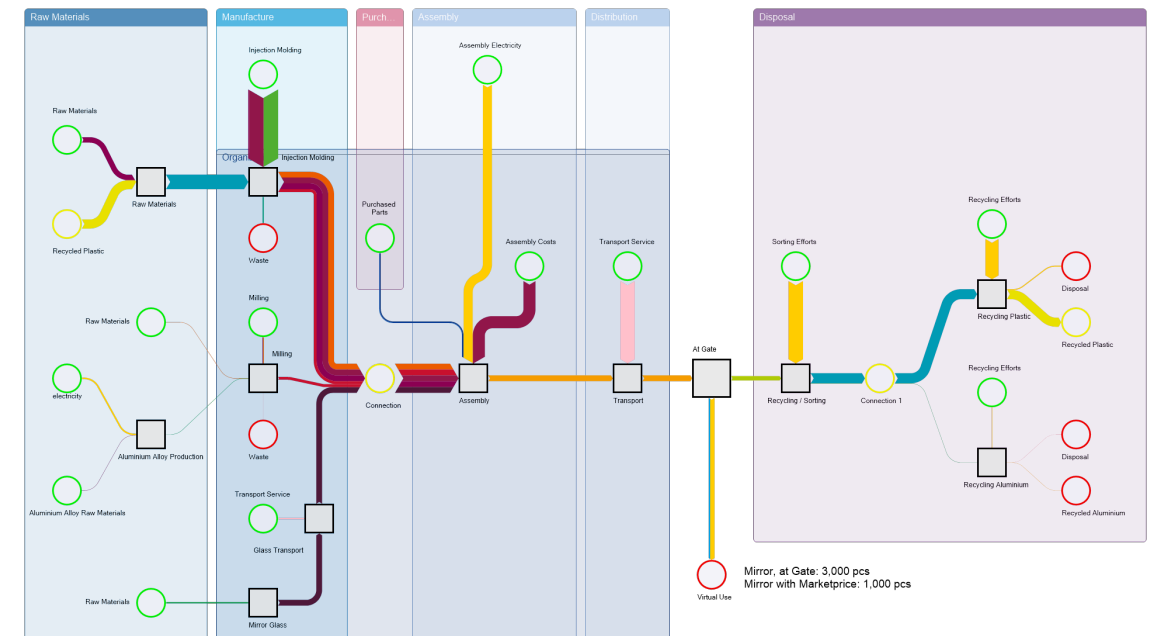
Product specific models

1 model → 1 product



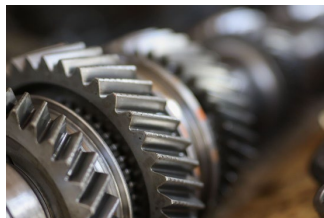
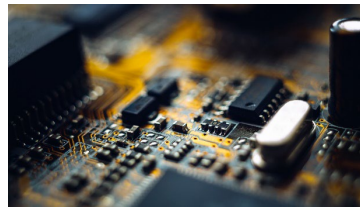
Generic Modelling

1 model → n products

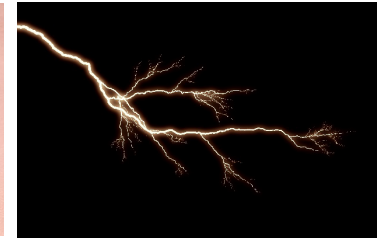


Automation of Life Cycle Assessments

Addressing Product Categories with Generic Models



Materials & Components



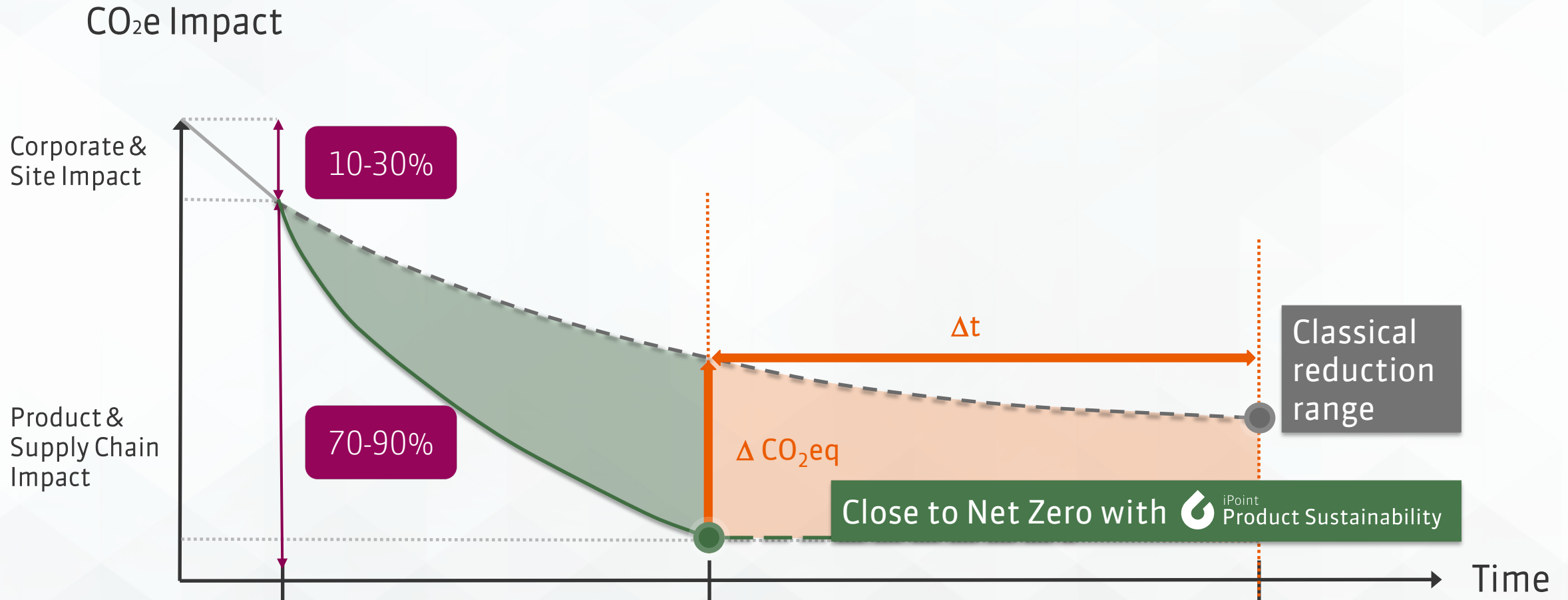
Utilities & Services



Various Products

How iPoint speeds up Net Zero Ambitions

Faster to the Point



Single Point of Information

Product Compliance



Product Sustainability

Automate your Processes

Hands-on during Closing Session

Synergies between Compliance & Sustainability



Thank you for your Attention!



Let's Talk

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