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Creating positive impact in Supply Chains with the help of Blockchain Technology

EUBOF Panel Keynote
Joerg Walden, iPoint-systems



Generational transformation



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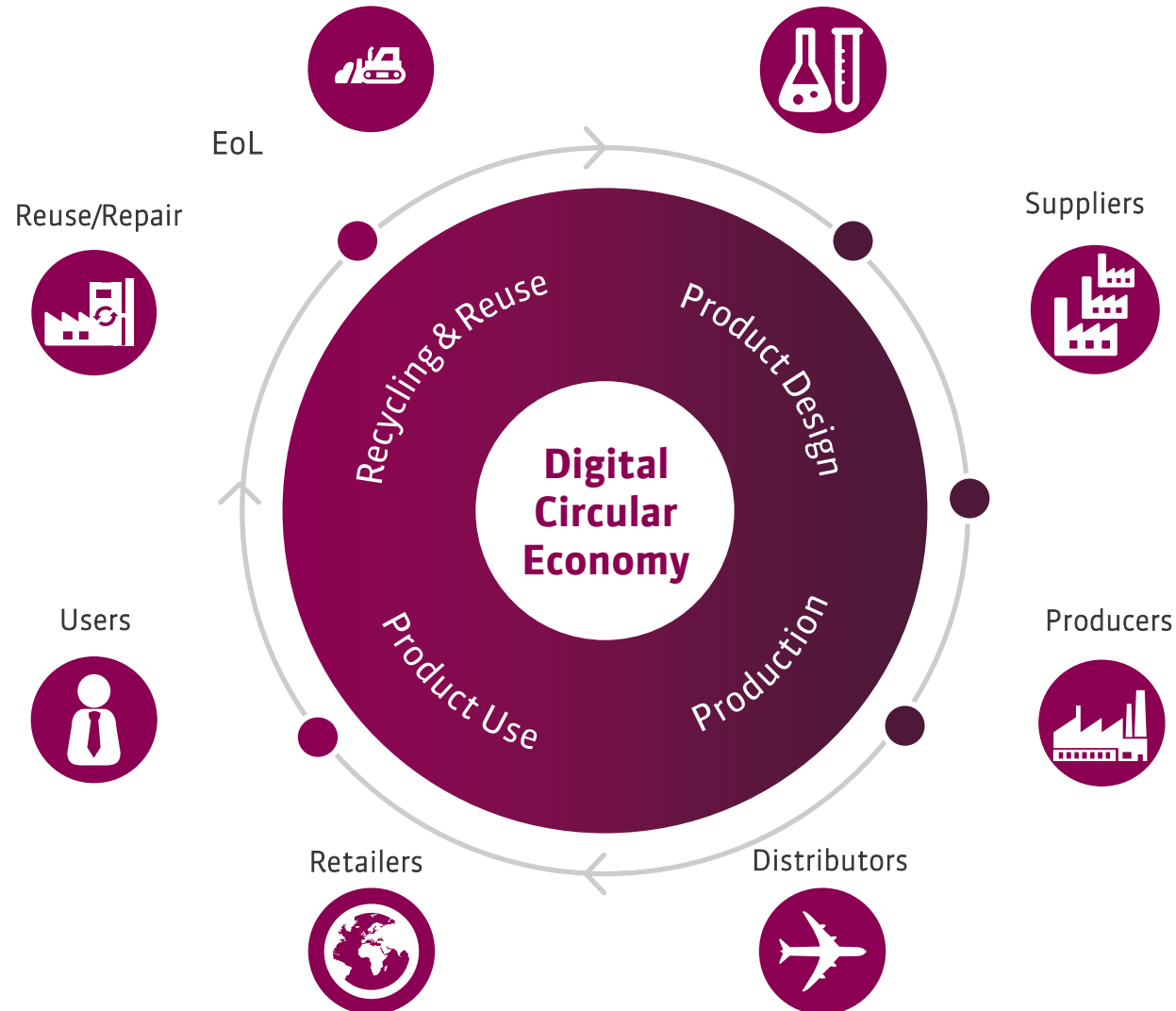
Sustainable Recycling

Sustainable Materials

Sustainable Supply Chain

Sustainable Use

Sustainable Manufacturing



The impact of supply chains is massive













Greenhouse gas emissions comprise three scopes:

Scope 1
Direct emissions

Scope 2
Indirect emissions from purchased energy

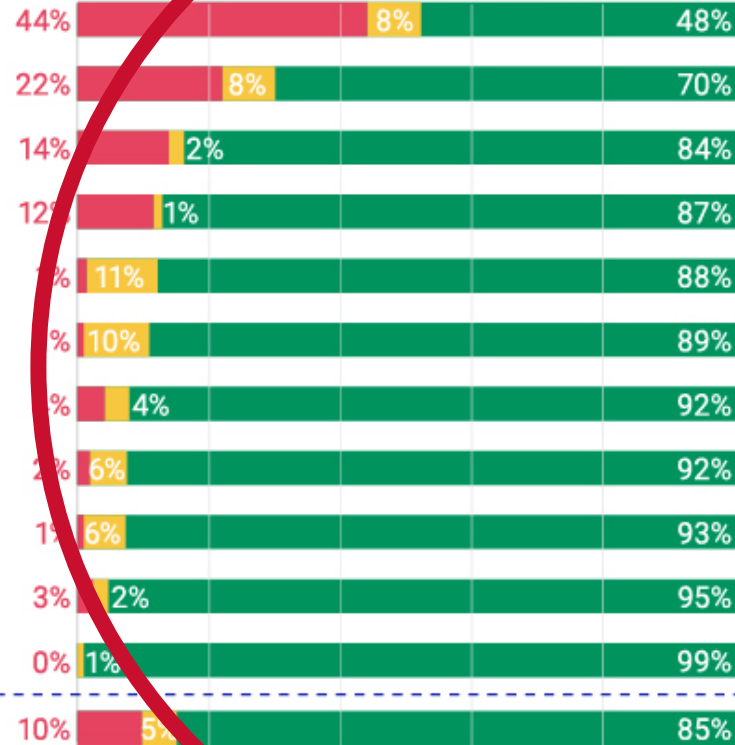
Scope 3
Value-chain emissions, both upstream (supply chain) and downstream (use of a company's products)

Sector emissions by scope:

-  Utilities n=79
-  Materials n=117
-  Industrials n=163
-  Energy n=163
-  Real Estate n=64
-  Communication Services n=63
-  Consumer Staples n=109
-  Consumer Discretionary n=104
-  Info Tech n=109
-  Health Care n=54
-  Financials n=138
-  Global publicly listed companies*

Scope 3 emissions dominate most companies' carbon footprints

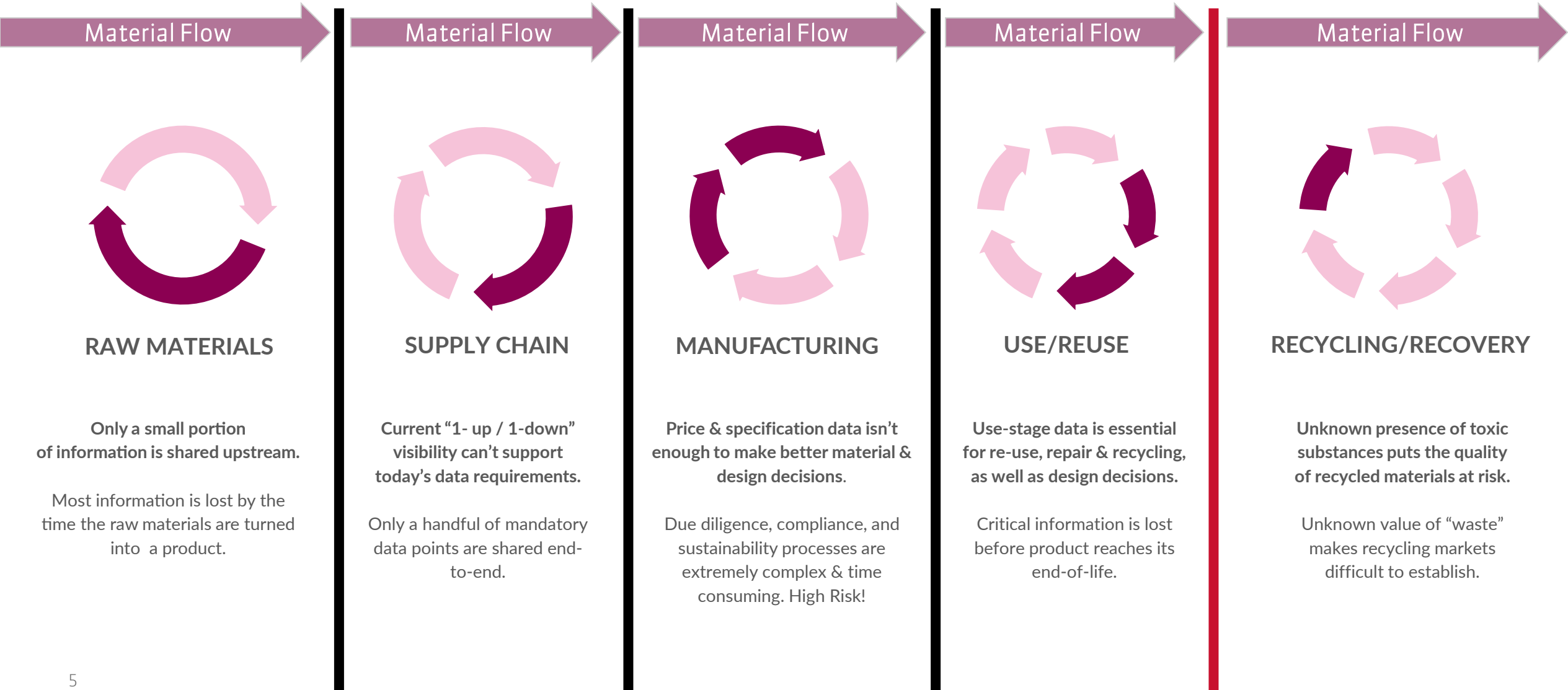
Sector average of carbon emissions per scope



Scope 3

*As indicated by constituents of the MSCI ACWI Index whose Scope 1, 2, and 3 emissions were reported by the companies or estimated by the MSCI Climate Change Metrics Methodology
Source: Carbon Disclosure Project, MSCI ESG Research LLC as of Jan. 5, 2022

Globally, it is an “information & coordination” problem





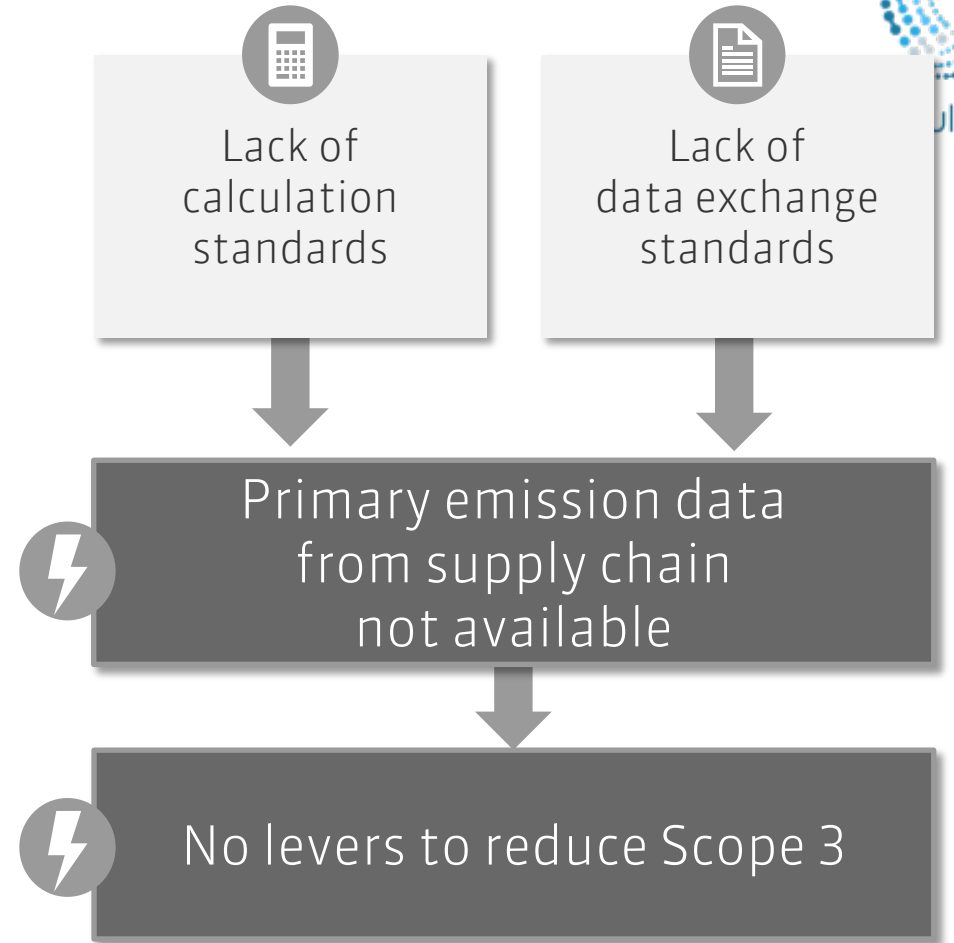
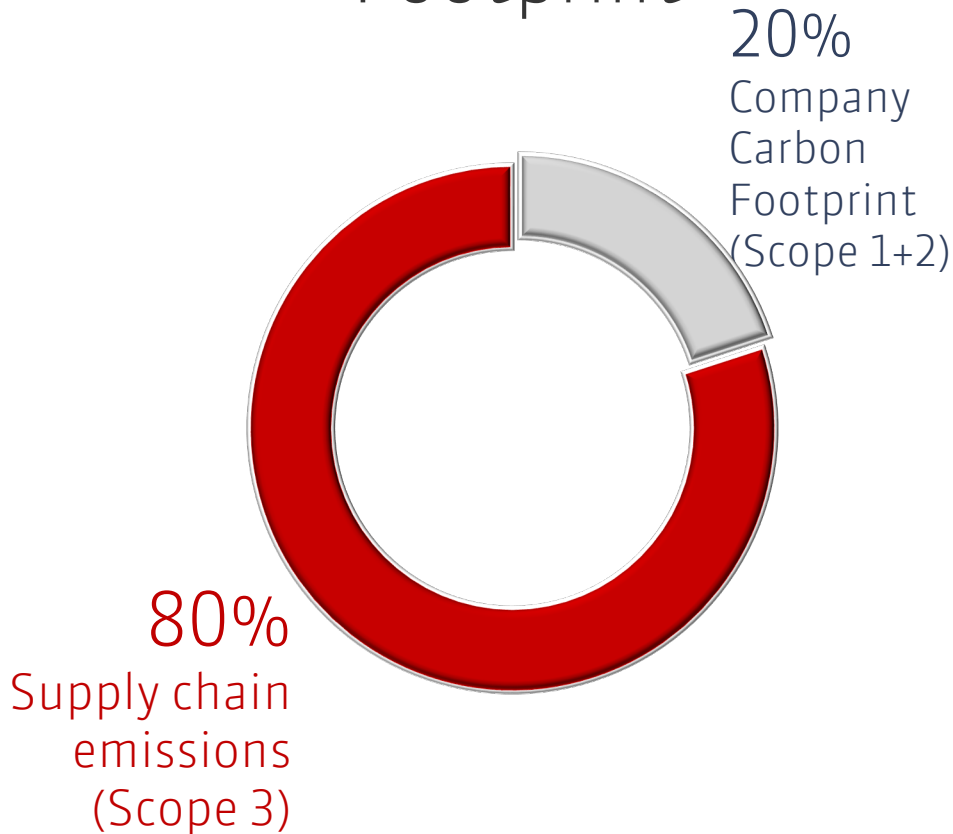
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CarbonBlock

Accounting for real primary
carbon footprint of supply chains

The Challenge

Product Carbon Footprint



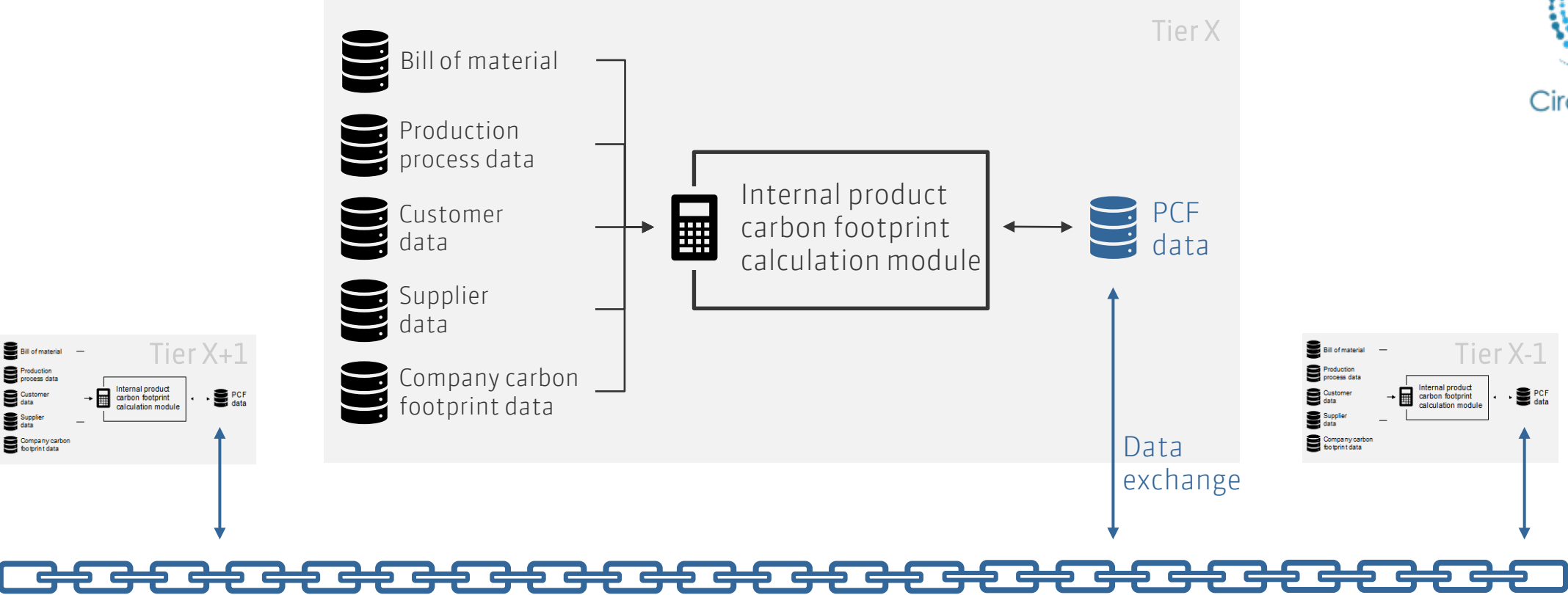
How it works



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CircularTree



CarbonBlock

How it works



BASF
We create chemistry



PCF
Granulate

motherson

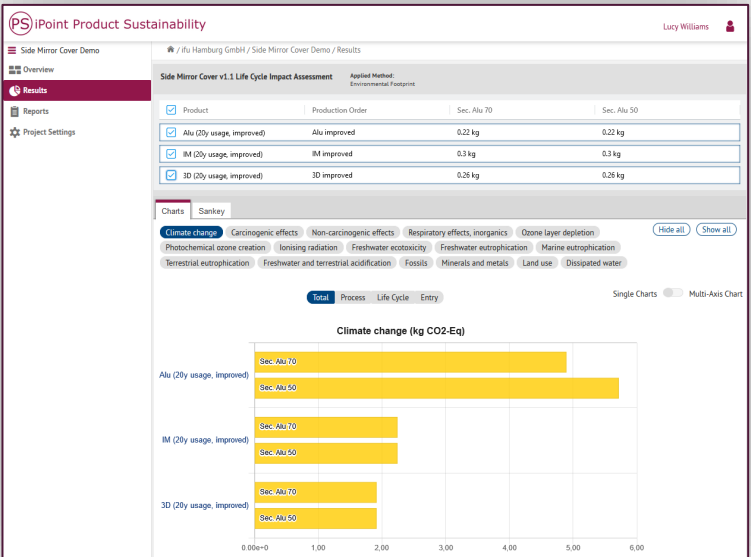


PCF
Bumper

PORSCHE



PCF
Porsche



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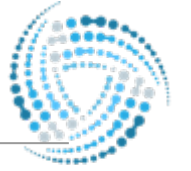


CircularTree



CarbonBlock

CarbonBlock Ecosystem



CircularTree

Solution providers



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Supply chain actors

Aptar

HONDA



DOW

BASF
We create chemistry

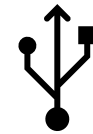


Givaudan



Methodology

Building a consistent methodology that enables generation of comparable, verified product-level primary emissions data



Technology / interoperability

Developing open technology standards that allow for secure data exchange across different technology solutions



Ecosystem

Reaching a wide ecosystem – piloting in the Fast-Moving Consumer Goods sector and scaling to multiple industry value chain



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SustainBlock

Blockchain-based supply chain accountability,
traceability and data reporting system

SustainBlock is a platform for supply chain accountability, traceability and data reporting.

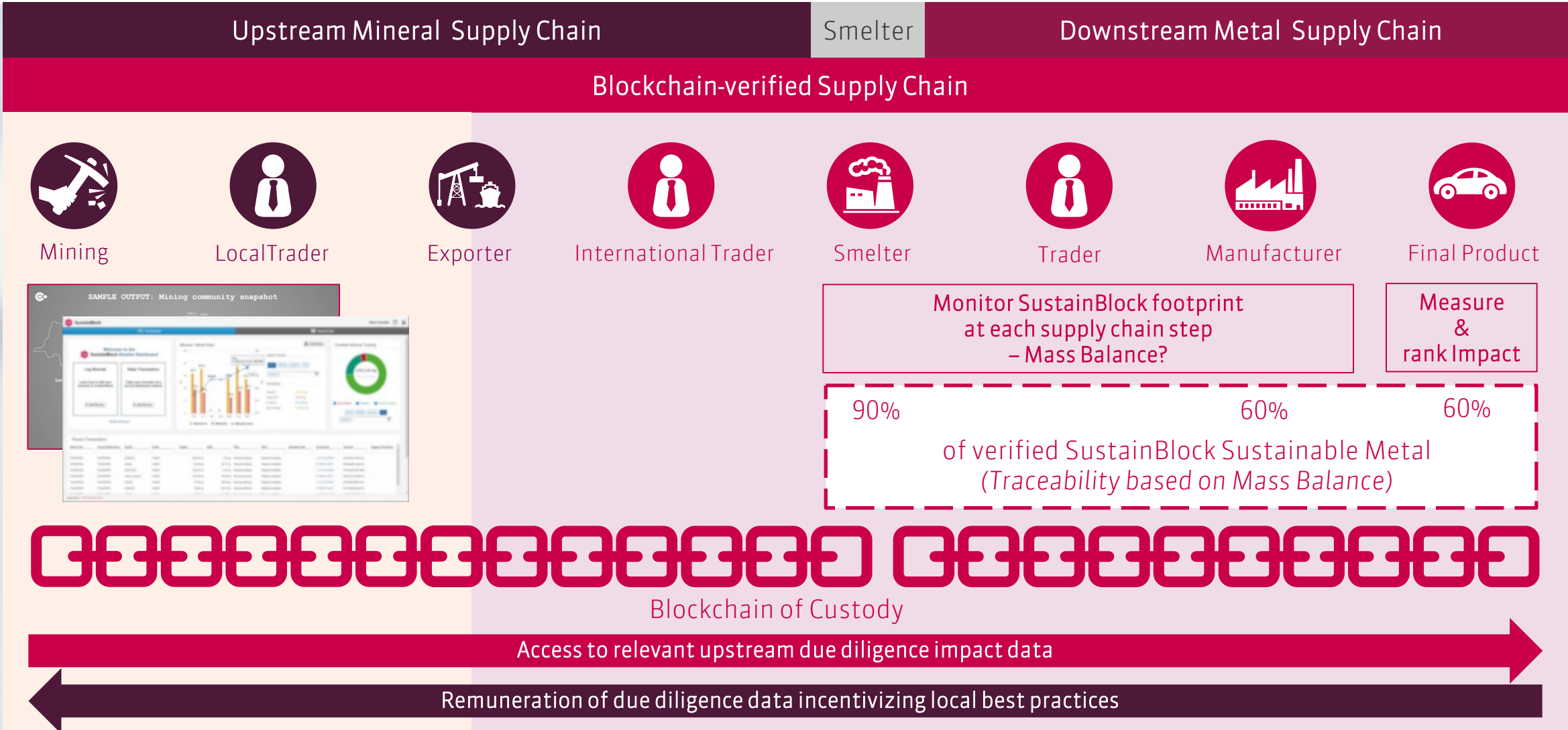
It enables supply chain participants to:

- demonstrate supply chain accountability from (ASM) mine sites all the way to mineral and metal end-users, and in turn
- provide downstream companies with access to information on the provenance of minerals contained in their products;
- unlock value from upstream due diligence data and generate incentives for responsible procurement of minerals from CAHRAs, in compliance with the OECD Due Diligence Guidance.

SustainBlock pilot involves a Tungsten mineral supply chain starting in the African Great Lakes Region.



“Blockchain-based supply chain accountability, traceability and data reporting system”

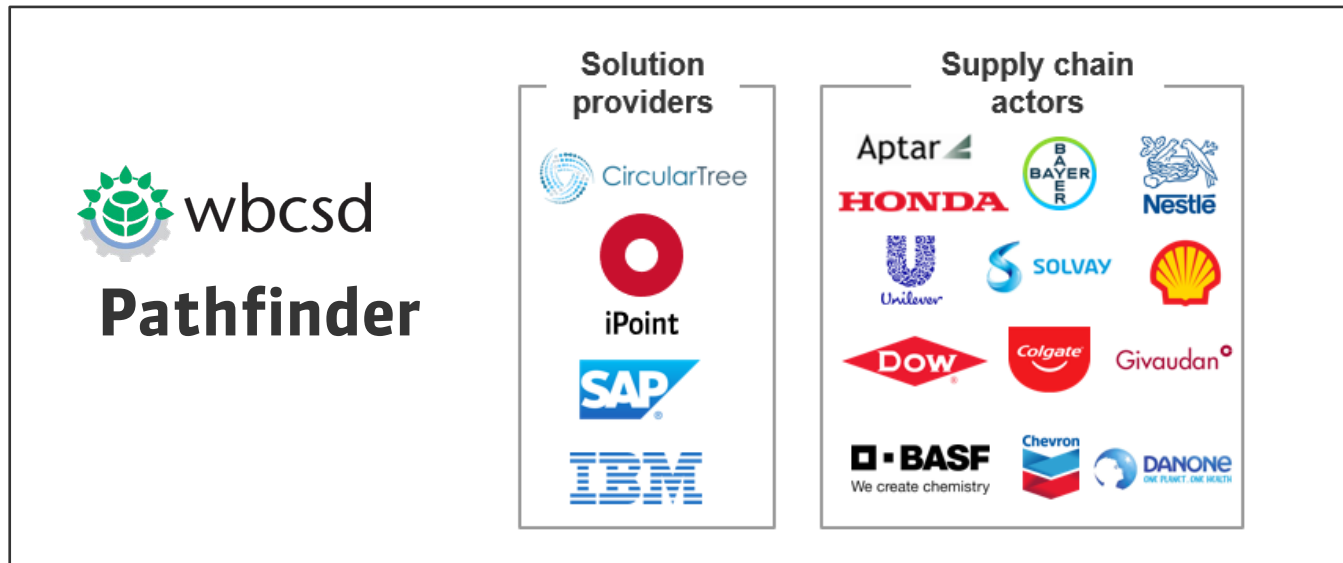
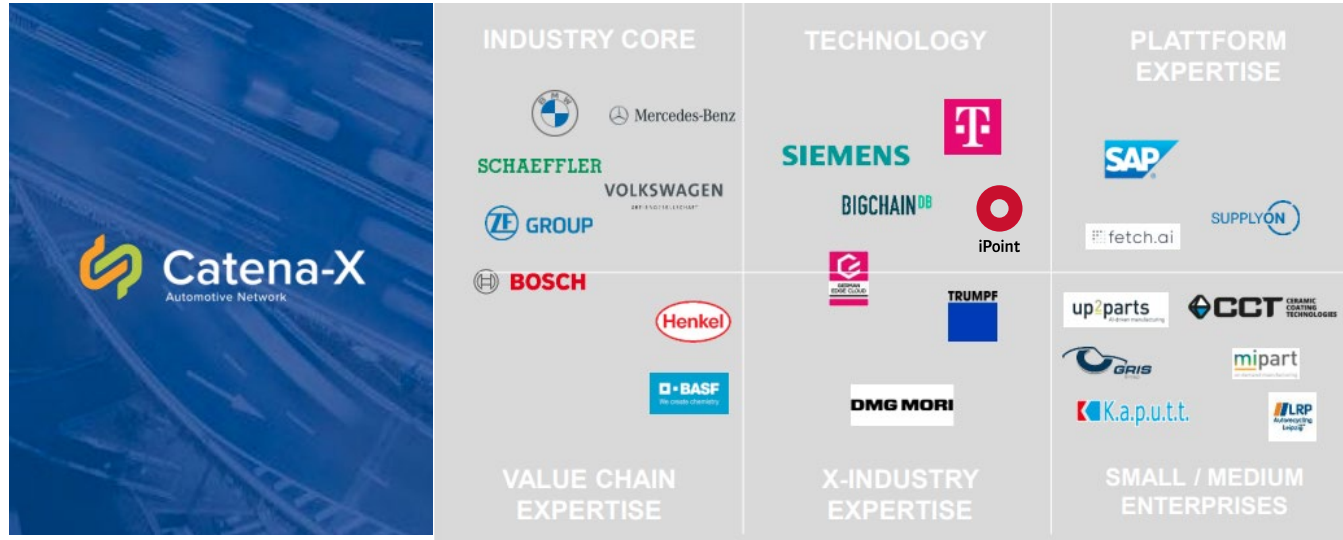




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Diverse and impactful
ecosystems are forming
around blockchain
technology

Ecosystems are forming

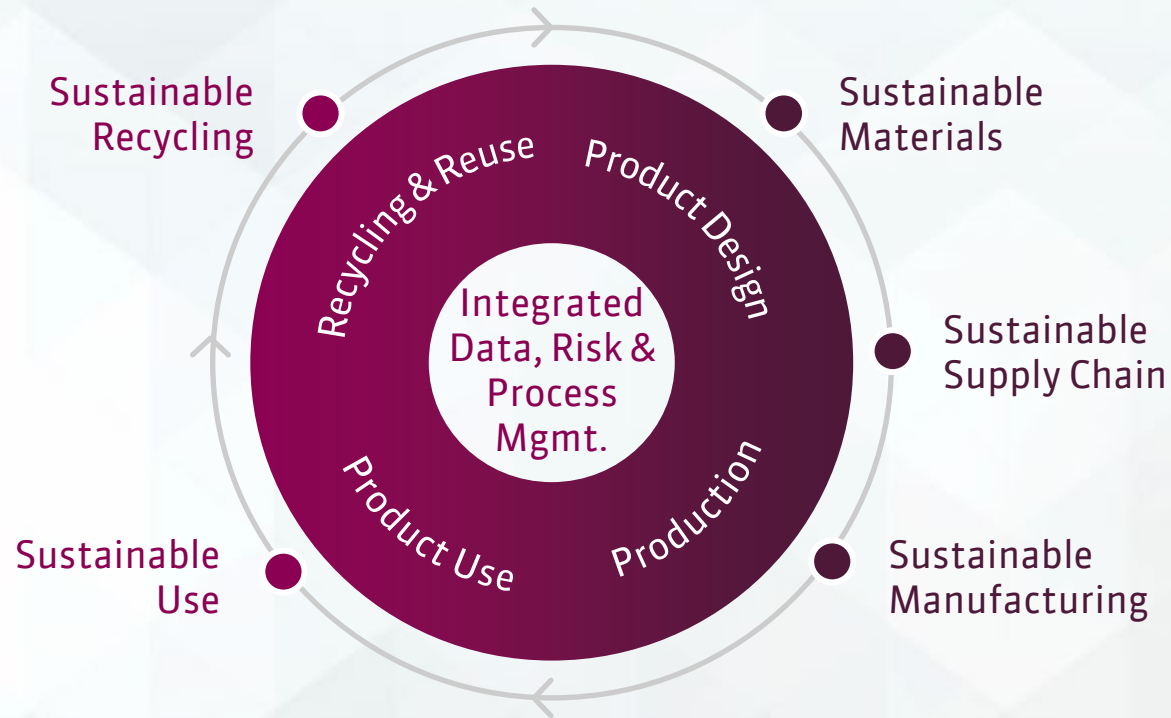


iPoint-systems

Building a digital circular economy



iPoint



Our Purpose

Advancing digitalization for sustainable change.

Our Vision

To be the best partner for fully digitalized life cycles of truly sustainable products.

Our Mission

To accelerate the transition to the circular economy.

2001

20+ years experience in compliance and sustainability

14

locations worldwide

170+

employees and growing

250

global manufacturers among customers

70,000

users from 100+ countries

ISO

ISO 9001:2015 and ISO/IEC 27001:2013; more than 30 awards



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Thank you !

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