

CREATON

BAYCNIX



Grassi
1925
Handmade

DyStar

FAHNEN
GÄRTNER

ARCHROMA

Cradle to Cradle® Design Innovations

Rethinking the way we make things

epeaswitzerland

LUZI

INO GEMA

USM

windmüller

Pfister

clappt

Wolford

HANTEX
DENIM MILL

SANKO

flokk
flokk.com

green
core
PROFESSIONAL

LUCART
SHARING THE FUTURE

CALIDA
BODYWEAR

AMANN
GROUP

Clariant

no excuses
LANUR

DENIM
CLOTHING
COMPANY
Durable Reimagined

SIEGWERK

flawa
consumer

OceanSafe

JAB
ANSTOETZ

DDF
BIG D DESIGN FORUM

YUNUS
FERTILISE FOR LIFE

SIDBUSSONS
LUMINOUS

OR PETRY
TEXTILE QUALI ARS

flawa
Circular

Circular
Clothing

ALAPLUPU

KNAUFCEILING
Solutions

VÖGELI
Workshopproduktion & Druck

The 3 Cradle to Cradle® Principles



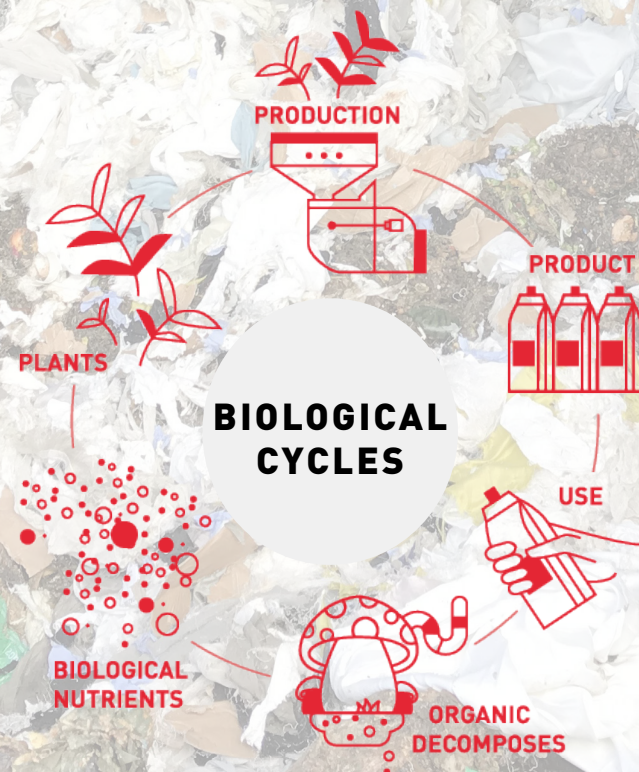
Cycle

WASTE=FOOD

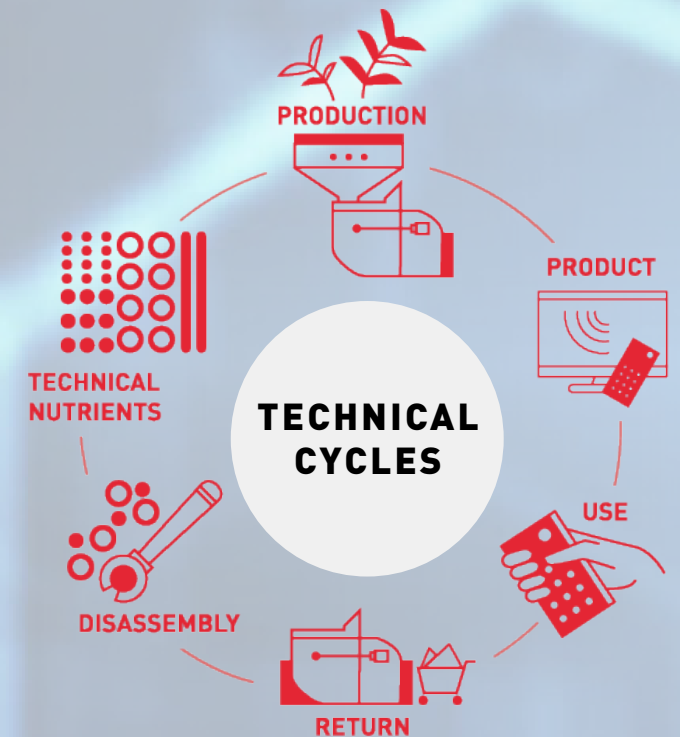
Energy

USE OF RENEWABLE RESOURCES

Diversity



**CYCLE:
WASTE = FOOD**



The 3 Cradle to Cradle® Principles



Cycle

WASTE=FOOD

Energy

USE OF RENEWABLE RESOURCES

Diversity

ENERGY: USE OF RENEWABLE RESOURCES

Hydropower

Bio
Energy

Geothermal
Energy

Wind
Energy

Solar
Energy

The 3 Cradle to Cradle® Principles



Cycle

WASTE=FOOD

Energy

USE OF RENEWABLE RESOURCES

Diversity

DIVERSITY

Politics takes Action: EU Legal Compliance Framework

Corporate

- ESPR (ecodesign for sustainable product regulation)
- EPR (extended producer responsibility)
- Monitoring & reporting
- Capacity building & education
- Collaboration and partnerships, network of trust™, material stream concept
- CSDR (Corporate sustainability directive)
- GCD (Green claim directive)
- EUTAX (EU taxonomy regulation)

Products

- DPP (Digital Product Passport)

Materials

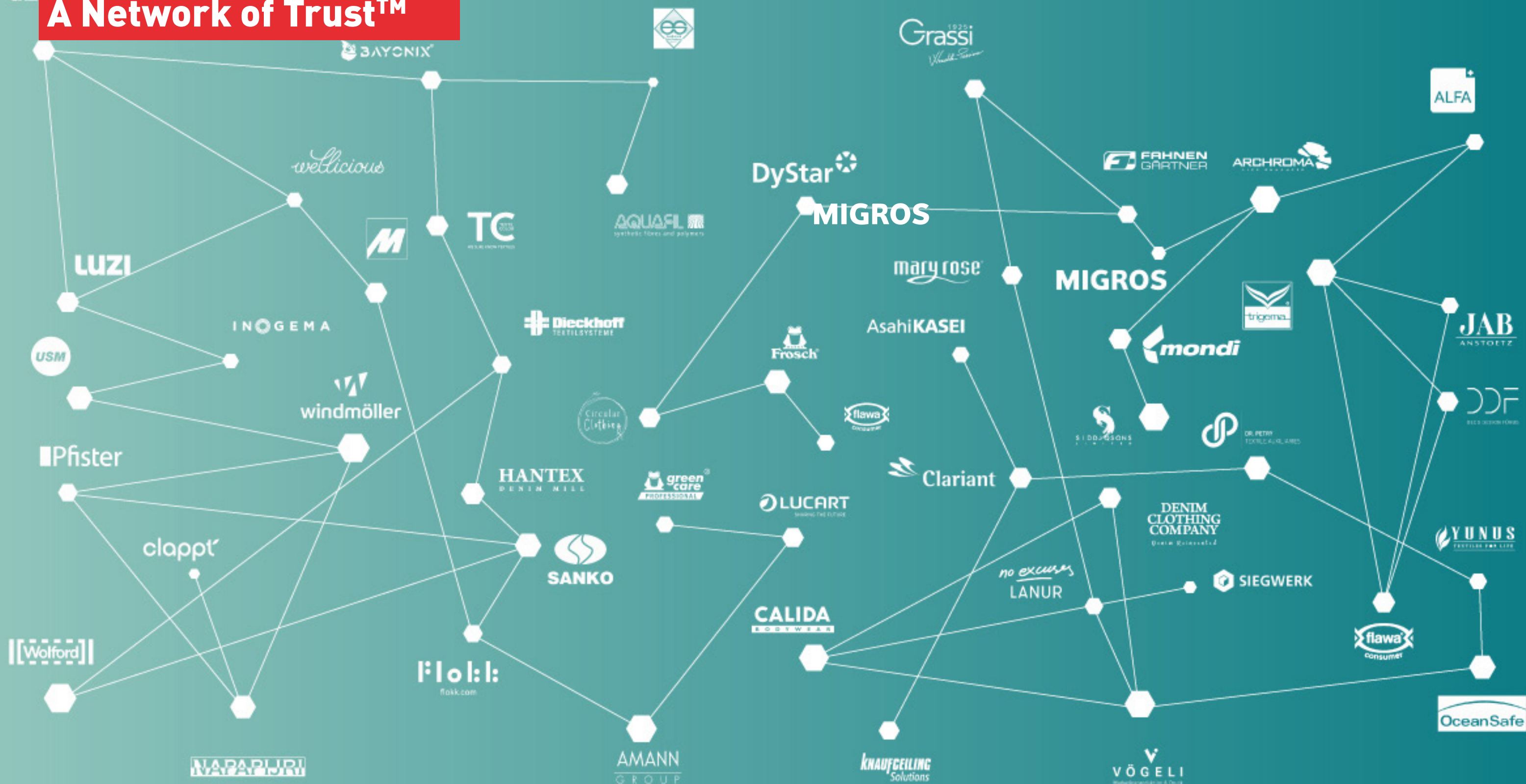
- CRAM (Carbon border adjustment mechanism)
- EUDR (EU deforestation regulation)
- Conflict minerals regulation
- Nature restoration law

Supply Chain

- CSDDD (corporate sustainability due diligence directive)
- Forced labour product ban regulation

CREA

CREA



Roles of epeaswitzerland



Knowledge Trustee

→ Transparent Supply Chain

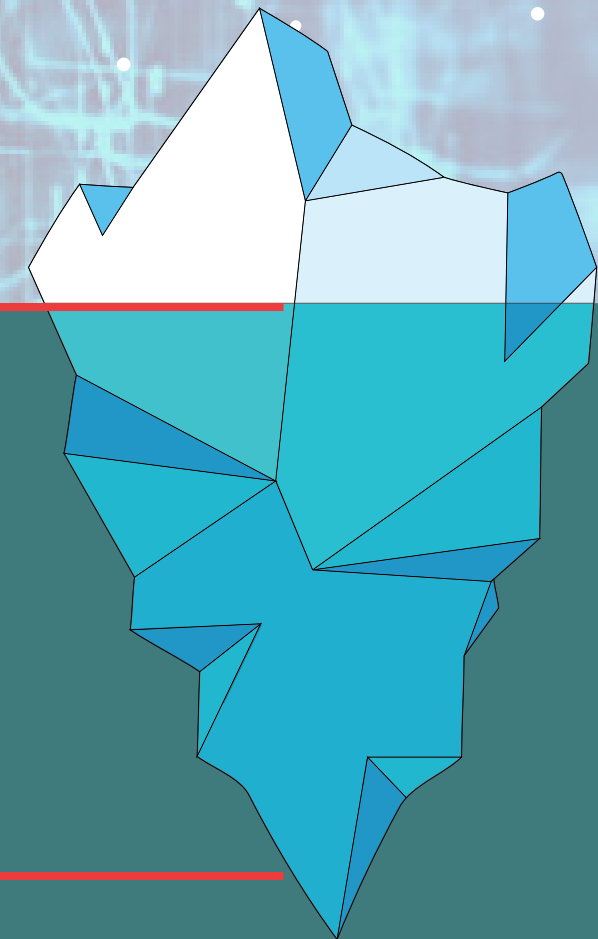
- Transparent Network
- Transparent Products

Innovation Trustee

Independent 3rd Party

1000 PPM (0.1%)
SAFETY DATA SHEETS (SDS)

100 PPM (0.01%)
CRADLE TO CRADLE CERTIFIED™





Knowledge Trustee

Innovation Trustee

Independent 3rd Party

- Material Health Assessment
- Based on Science
 - Goal – Best quality of raw materials, chemicals & ingredients

ABC-X Categorisation

Category	Description
A	The material is ideal from a Cradle to Cradle perspective for the product in question.
B	The material supports largely Cradle to Cradle objectives for the product.
C	Moderately problematic properties of the material in terms of quality from a Cradle to Cradle perspective are traced back to the ingredient. The material is still acceptable for use.
X	Highly problematic properties of the material in terms of quality from a Cradle to Cradle perspective are traced back to the ingredient. The optimization of the product requires phasing out this ingredient or material.
GREY	This material cannot be fully assessed due to either lack of complete ingredient formulation, or lack of toxological information for one or more ingredients.
Banned	BANNED FOR USE IN CERTIFIED PRODUCTS This material contains one or more substances from the Banned list and cannot be used in a certified product.

Roles of epeaswitzerland



Knowledge Trustee

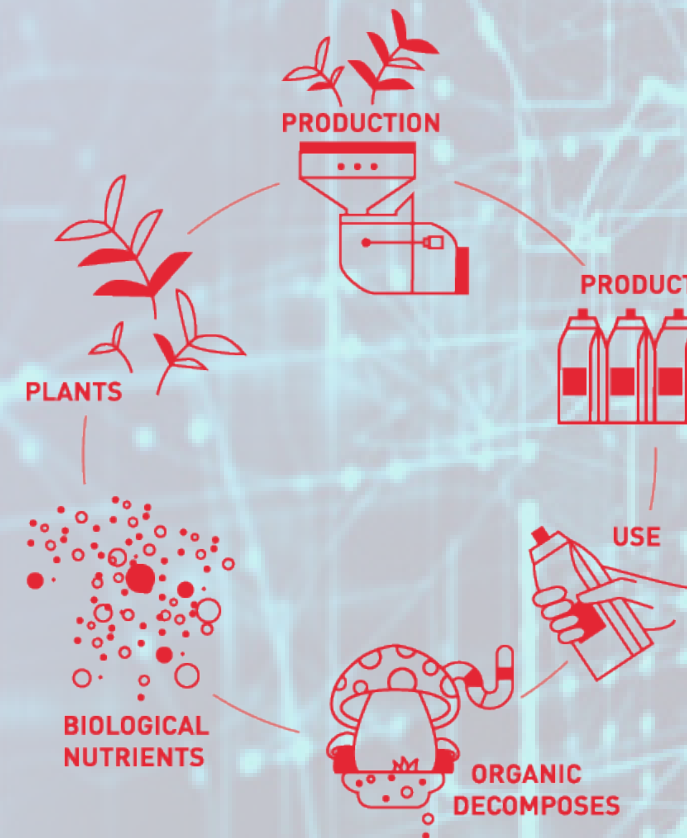
→ Creating Circular Networks

- Closing the Loop
- Reintegration in Industry

→ 3rd Party Assessment Audit

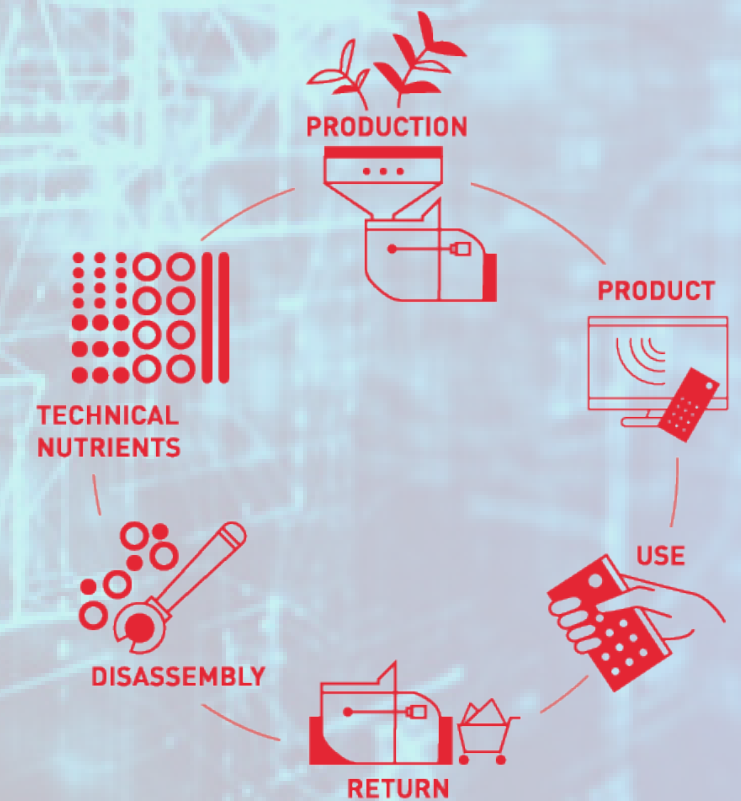
- Supply Chain Verification
- Energy, Water, Social
- Circularity
- Materials, Chemicals, Colors

Innovation Trustee



Consumer Goods in
BIOLOGICAL SYSTEMS

Independent 3rd Party



Service Products in
TECHNICAL SYSTEMS

Roles of epeaswitzerland

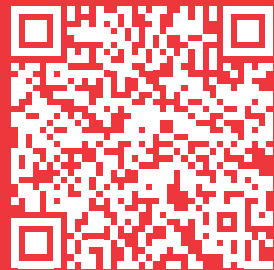


Knowledge Trustee

Innovation Trustee

Independent 3rd Party

Digital Product Passport
Compass Cradle to Cradle™



epeaswitzerland

Cornerstones

Governance & Risk Management

EU Legal Compliance Framework

Physical Performance

Material Health

Product Circularity

Energy & CO₂

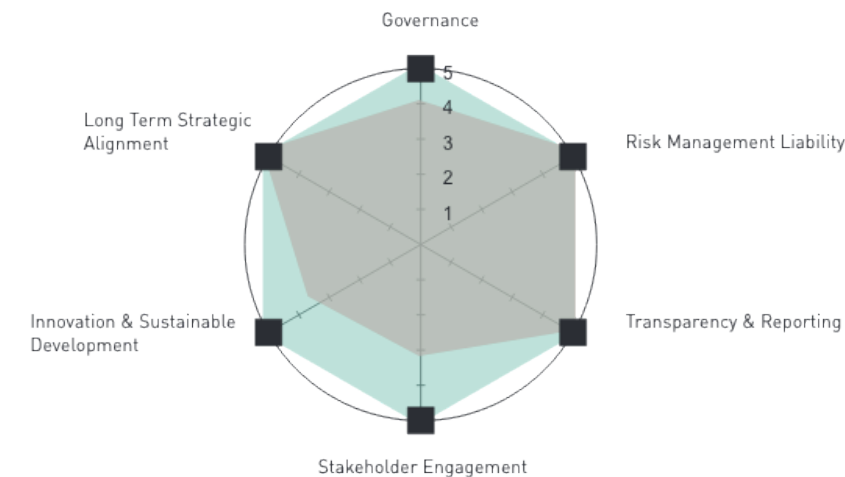
Environment, Water & Earth

Social

EU Taxonomy, GRI, SDG, Audit

Transportation

Governance & Risk Management



Mögliche Texte

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Us. Eperrumque consend ereratem voles iunt ea quam qui ad-
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- auch als Listenpunkte
- weitere Listenpunkte

2024 2023

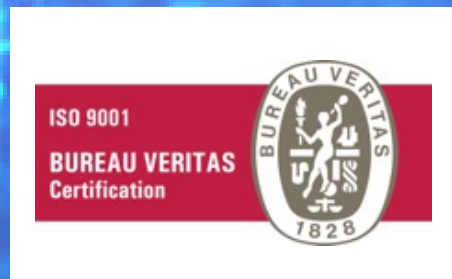
Roles of epeaswitzerland



Knowledge Trustee

Innovation Trustee

Independent 3rd Party



Bureau Veritas Certification

epeaswitzerland gmbh

Seestrasse 119, 8806 Bäch, Switzerland

This is a multi-site certificate, additional site(s) are listed on the next page(s)

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

Design and development of innovative solutions for industry, Coaching and Consulting, Search Fields, Project implementation and supply chain integration.
Implementation of the Digital Product Passport Compass Cradle to Cradle™ reports.
Assessment of Cradle to Cradle Innovation projects.

Roles of epeaswitzerland



Workshop

Innovation

Independent 3rd Party

→ Reference Model Cradle to Cradle™

1 Defining the Project

2 Pull Out Option (yes/no)

1. Defining purpose of **the product**
2. Determining the **metabolism: biological or technical**
3. Definition **closing the loop scenarios**
4. Definition **areas of innovation (chances/risks)**
5. Development of **product criterias** and product purposes
6. Setting priorities of **the criterias**
7. ABC-X categorisation of **the ingredients**
8. Developement of **the positive list**
9. Phase out plan X **(red) substances**
10. Implementation **product design**
11. Implementation **processes production and supply chain**
12. Strategy implementation of **closing the loop scenario**
13. Development **marketing statement** (certification yes/no)
14. Influences **consumer behaviours**
15. Financial **investments**
16. Influences **business models**
- 17. Marketing focus**
18. After sales services **after the product launch**

Source: epeaswitzerland

Roles of epeaswitzerland



Workshop

Innovation

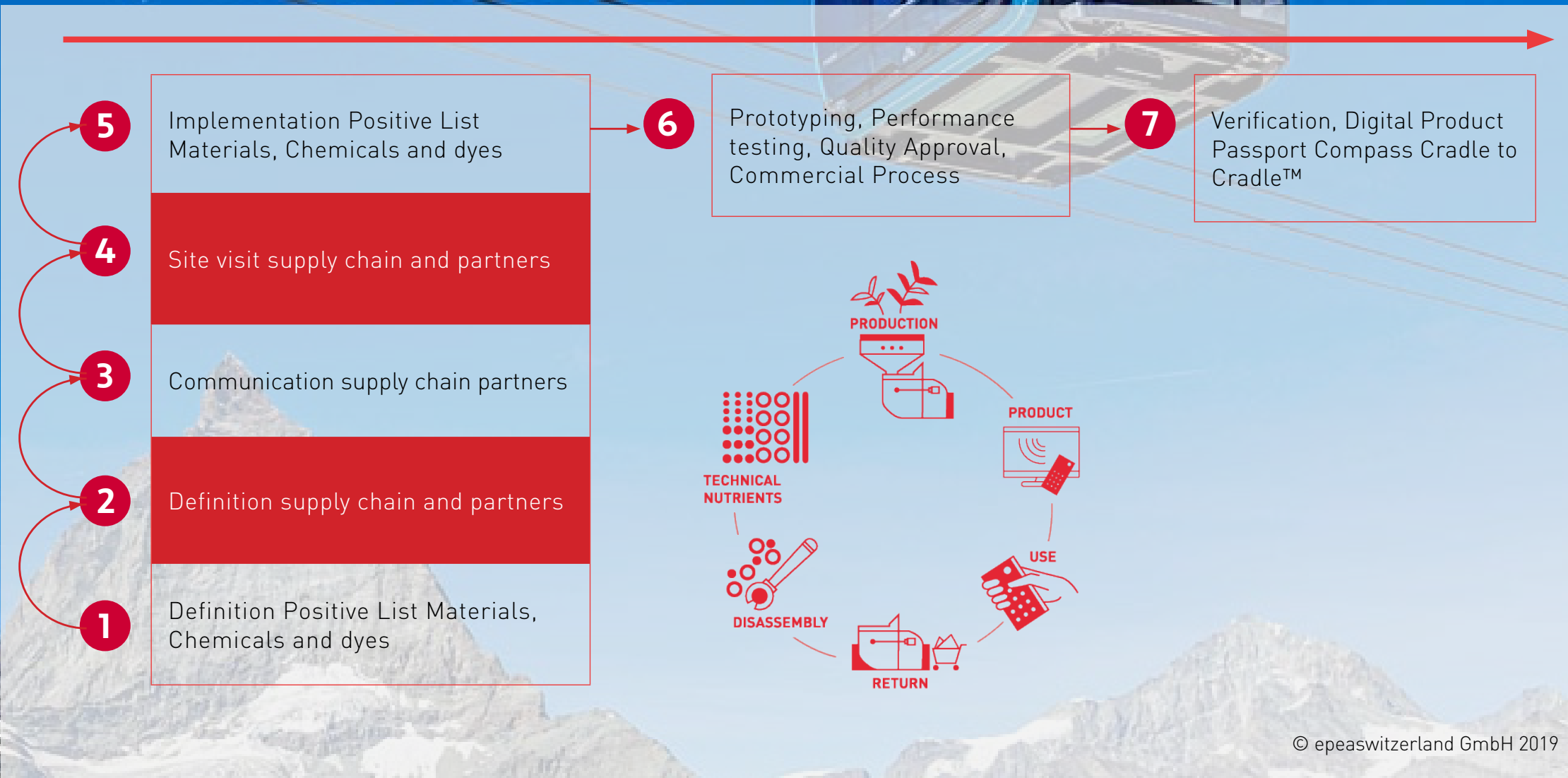
Independent 3rd Party

→ Supply Chain Domino Knowledge Transformation™

1 Knowledge Transfer

2 Time > Speed

3 Innovation



Roles of epeaswitzerland



Workshop

Innovation

Independent 3rd Party

Digital Product Passport
Compass Cradle to Cradle™

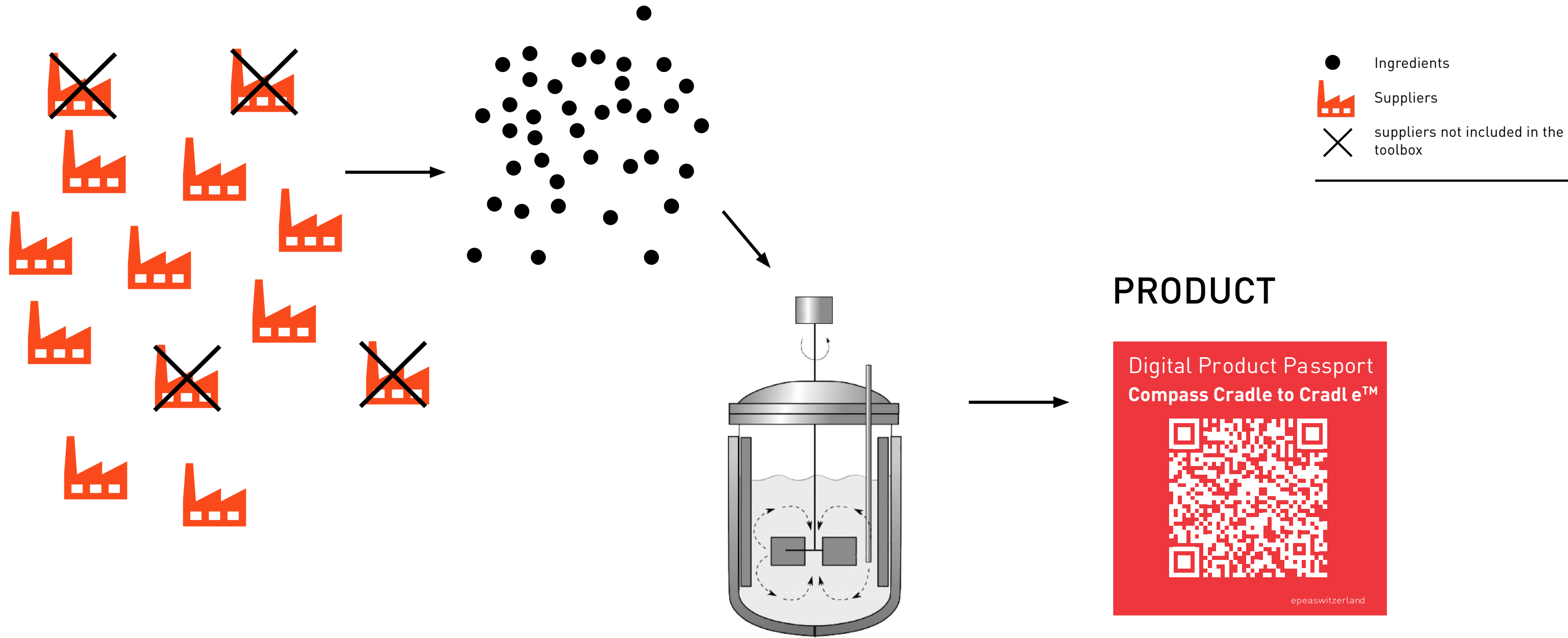


epeaswitzerland

Digital Product Passport Compass Cradle to Cradle™

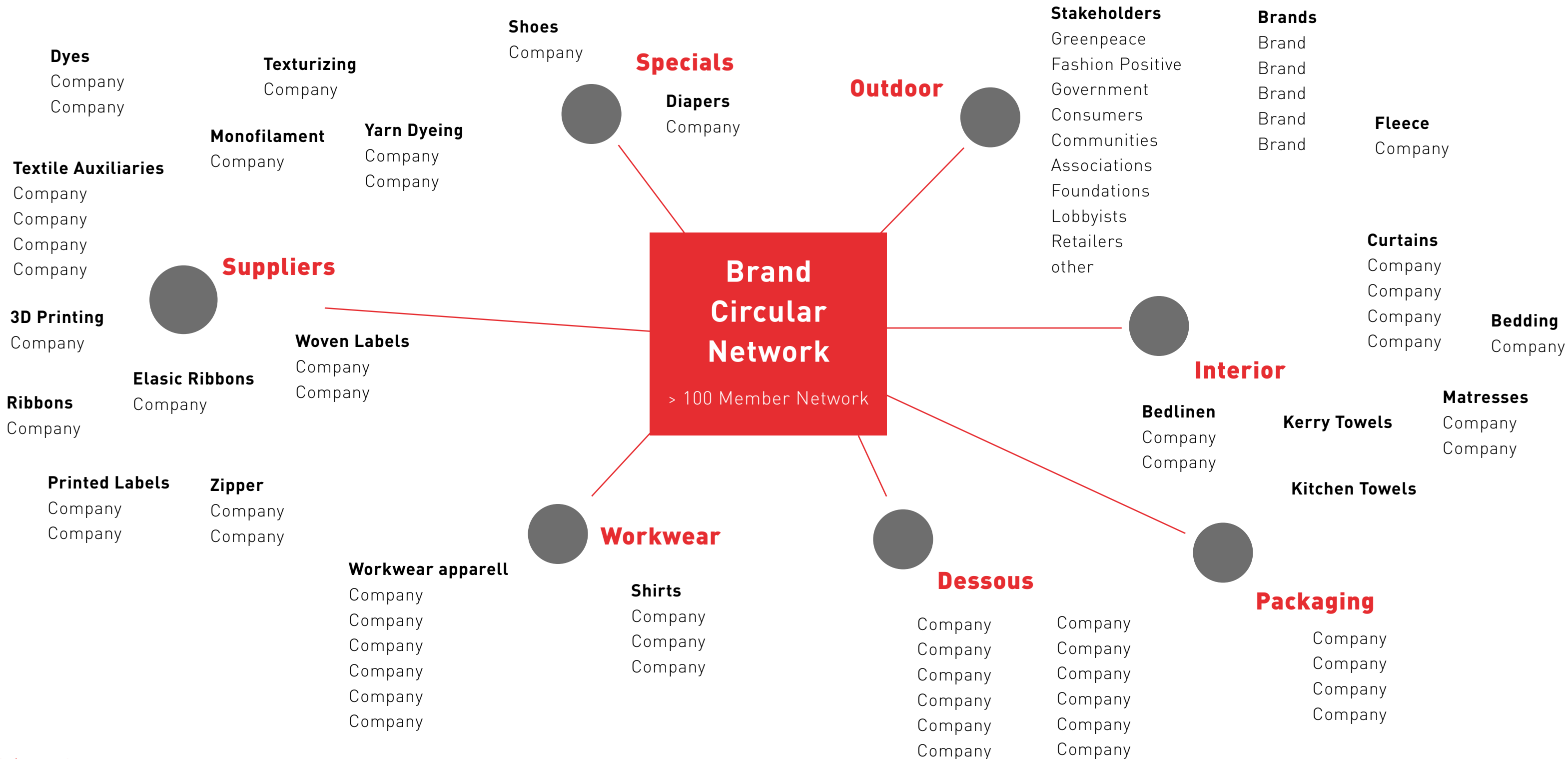
- **Integrated dynamic Tool:** Passport and Compass Cradle to Cradle™
- **Independent 3rd Party review**
- **Compliance Ready:** Designed to meet EU regulatory requirements for 2027 and beyond.
- **Innovation Tracking:** Enables companies to monitor and showcase product innovations.
- **Cradle to Cradle® Aligned:** Supports principles of circularity and sustainable design.
- **Enhanced Transparency:** Promotes clear and accessible product data for stakeholders.
- **Future-Focused:** Facilitates the adoption of circular business models.
- **User-Friendly:** Offers an intuitive interface with robust data management capabilities.

Toolbox Cradle to Cradle™ for Adhesives





Network Management Supply Chain – Brand – Circular Networks

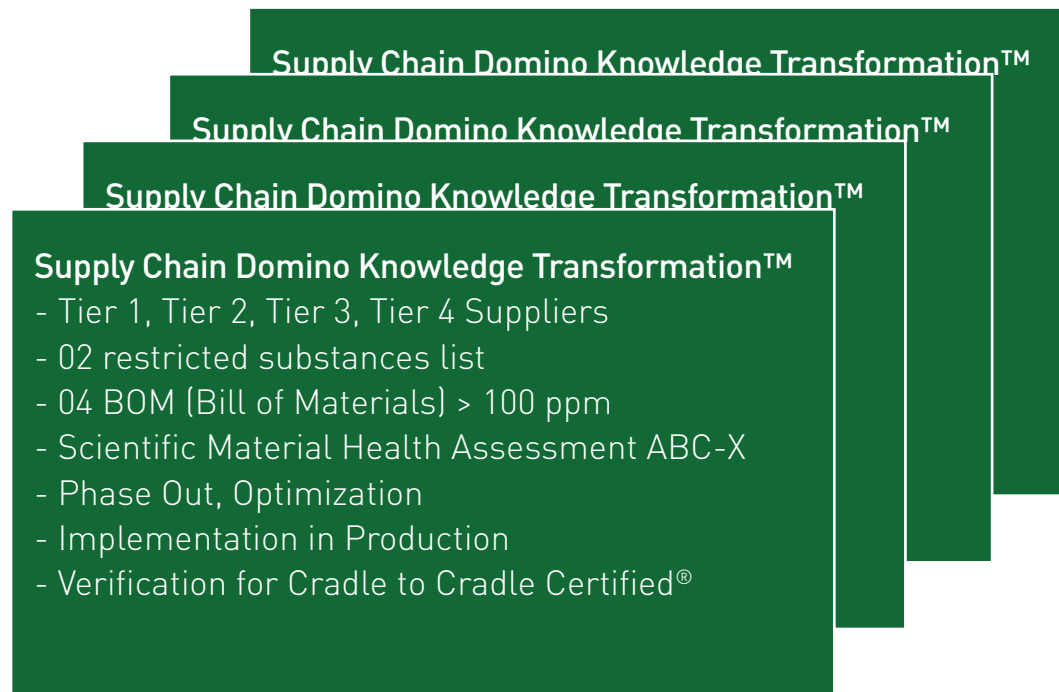


Reference Modell Cradle to Cradle



Supply Chain Domino Knowledge Transformation™

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PRODUCTION

- Audit / Site Visit (last Manufacturing Stage)
- 02 restricted substances list
- 04 BOM (Bill of Materials) > 100 ppm
- Verification for Digital Product Passport Compass Cradle to Cradle™
- Scientific Material Health Assessment ABC-X
- Phase Out, Optimization

PRODUCT

- Defining Purpose of Product
- Determining the Metabolism: biological or technical
- Definition Areas of Innovation (chances/risks)
- Development of Product Criteria & Product Purposes
- Reference Model Cradle to Cradle™
- Design for Disassembly
- Positive List of Materials Implementation
- Product Design Implementation
- Closing the Loop Scenario Strategy (Circularity)

TRANSPARENT SUPPLY CHAIN

CLOSING THE LOOP

- Design for Disassembly
- Modifications of Materials for Reintegration into the Supply Chain or other Industries
- Integrate Business Model into Supply Chain
- Integrate Materials into Supply Chain

TAKE BACK CONCEPT

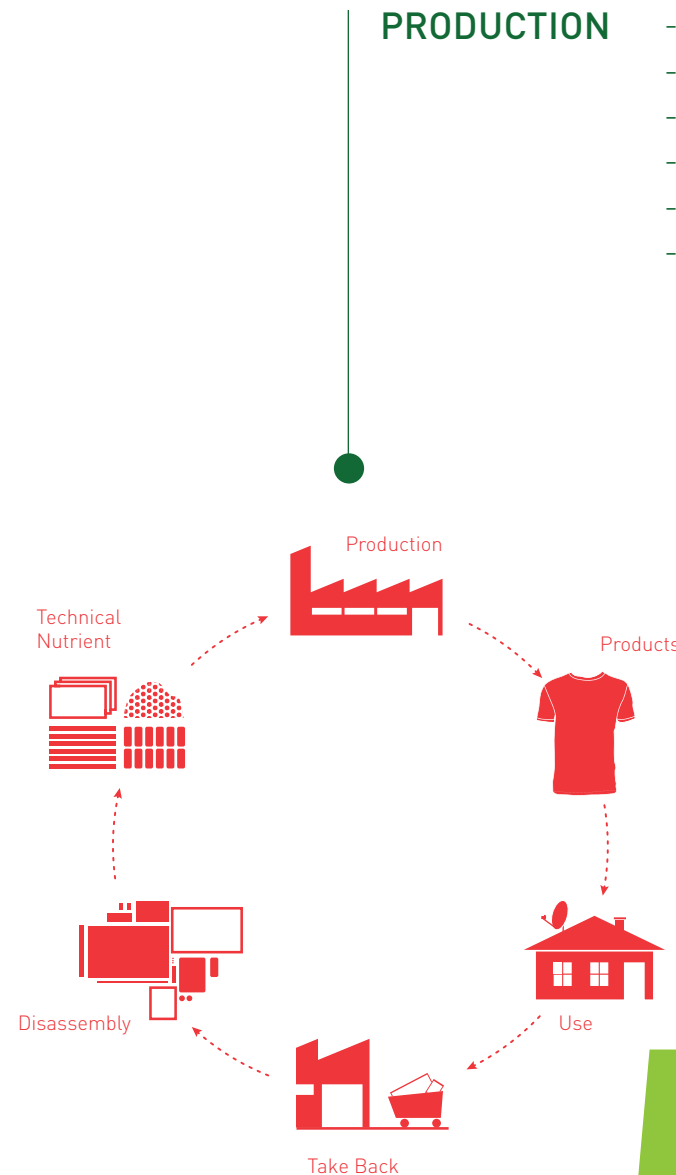
- Implementation Take Back Concept
- Logistics - Collecting Systems
- Integrate Business Model

MARKETING / BUSINESS MODELLS

- Digital Product Passport Compass Cradle to Cradle™
- Business Model for a Circular Economy
- Consumer Behaviour towards Circularity
- Marketing Focus
- Financial Investments
- After Sales Services

CONSUMER USE PHASE

- Consumer Communication
- Consumer Behaviour
- Give it Back after Use
- Consumer Incentives



MIGROS

Migros creates
M-Check transparency for Near Non-Food
Products *in cooperation with epeaswitzerland*



M-Check Material Health &
Product Circularity



MIGROS

Material Health &
Product Circularity

Albin Kaelin, CEO, epeaswitzerland gmbh



2022: Best CEO of the Year
2023: Best CEO of the Year
2024: Best CEO of the Year



2022: Most Innovative CEO in the Worldwide Textile Industry
2022: Business Leadership and Outstanding Contribution to Sustainable Manufacturing



2021: Best CEO of the Year
2022: Manufacturing – Leader of the year
2023: Environmental – Leader of the Year



2023: Best CEO in the Textile Manufacturing Industry
2023: Best Cradle to Cradle Products & Services Innovation Experts
2023: Most Sustainable Textiles and Materials Value Creation Leadership
2024: Most Innovative CEO in the Textile Manufacturing Industry
2024: Pioneers in Cradle to Cradle Innovation: Leading Experts in Textile
2024: Trailblazer Award for Circular & Sustainable Textile Innovation



2022: Top 10 Most Inspiring CEO in Business
2023: The Most Innovative Technology Leaders to Watch



2022: Best CEO of the Year
2023: Best CEO of the Year
2024: Best CEO of the Year
2025: Best CEO of the Year



2023: Most Innovative CEO of the Year – epeaswitzerland gmbh – Europe
2024: Most Innovative CEO of the Year – epeaswitzerland gmbh – Europe



2022: Best CEO of the Year
2023: Best CEO of the Year
2024: Best CEO of the Year



2022: Top 10 Most Inspiring CEO in Business in 2022



2024: Best CEO of the Year
2024: Best Specialist Cradle to Cradle Products & Services Provider
2025: Best CEO of the Year
2025: Best Specialist Cradle to Cradle Products & Services Provider



2023: Household Hardware Specialists of the Year



2022: Best Specialist Cradle to Cradle Products & Services Provider
2023: Best Specialist Cradle to Cradle Products & Services Provider

A book for the businesses of tomorrow

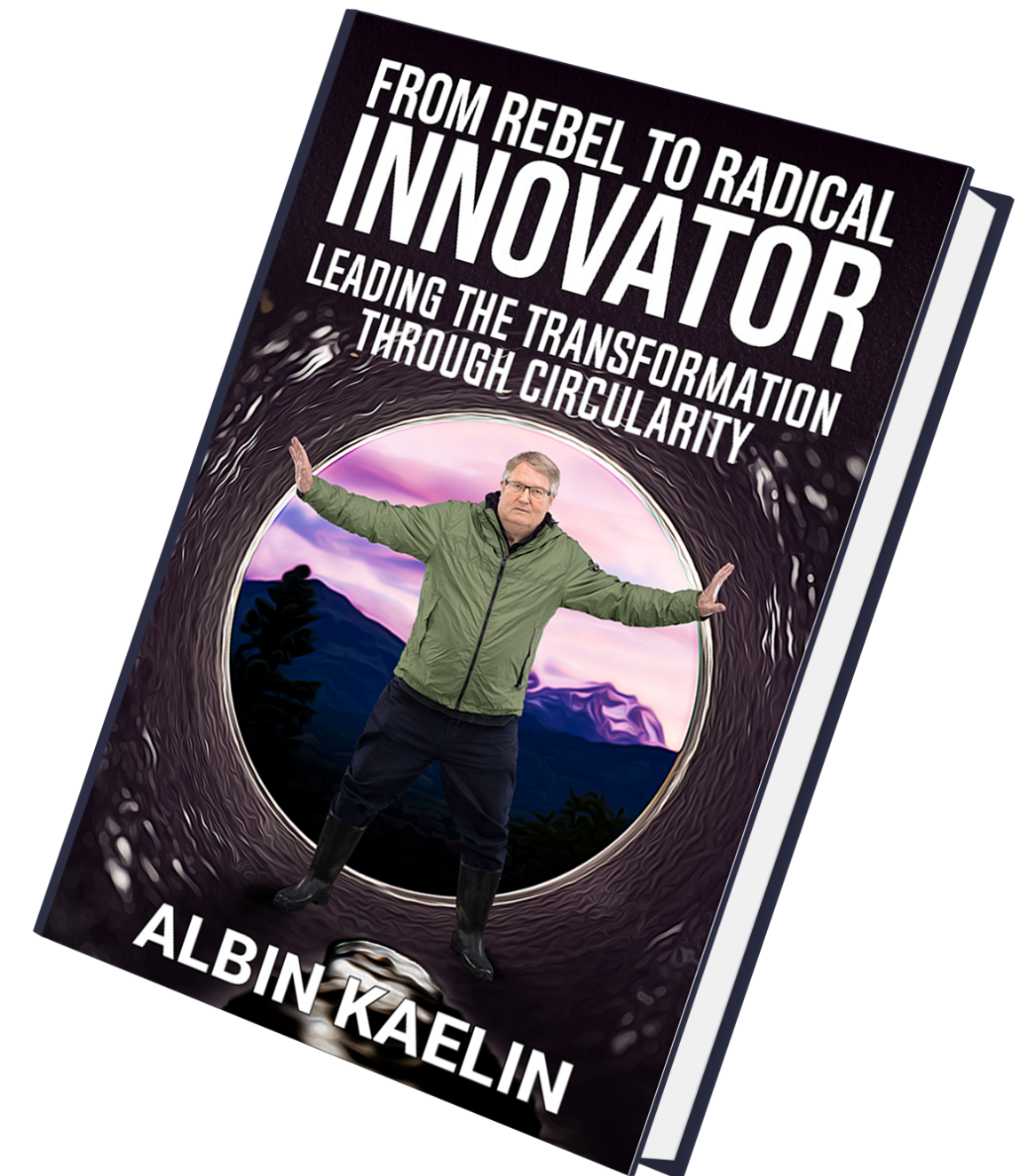
The European, Climate Change



From Rebel to Radical Innovator: Leading the Transformation Through Circularity

Don't miss the opportunity to be part of the sustainability revolution. Grab your copy of „*From Rebel to Radical Innovator*“, and lead the change towards a circular economy today.

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