



Advancing Sustainable Textiles in the Circular Economy through Innovative EPR Schemes

www.trustexproject.eu

This project has received funding from the European Union's Horizon Research and Innovation program under grant agreement N° 101181901 and from the Swiss State Secretariat for Education, Research and Innovation (SERI).



**Co-funded by
the European Union**



Project funded by

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
**State Secretariat for Education,
Research and Innovation SERI**





Terra Matters' role in Trustex

This project has received funding from the European Union's Horizon Research and Innovation program under grant agreement N° 101181901 and from the Swiss State Secretariat for Education, Research and Innovation (SERI).



**Co-funded by
the European Union**



Project funded by
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
**State Secretariat for Education,
Research and Innovation SERI**



TerraMatters

WP 2 : Value Chain Digitalisation

Develop a comprehensive **DPP infrastructure** to enhance traceability, sustainability, and circularity within the textile sector



T2.2 DPP infrastructure development

T2.3 DPP data collection system

T2.4 Interoperability solutions

T2.5 Data carrier technology integration

T2.6 DPP components integration and User Interface design

T2.1 Governance aspects of the DPP

This project has received funding from the European Union's Horizon Research and Innovation program under grant agreement N° 101181901 and from the Swiss State Secretariat for Education, Research and Innovation (SERI).



Co-funded by
the European Union



Project funded by
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Education,
Research and Innovation SERI

ACTION PLAN – WP2



Deliverable

Milestone

Intermediate achievements

	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24	M25	M26	M27	M28	M29	M30	
T2.1. Governance Aspects of DPP h_da hochschule darmstadt 																										
T2.2. DPP Infrastructure Development 																										
T2.3. Data Collection System MADE2FLOW 																										
T2.4. Interoperability Solutions MADE2FLOW 																										
T2.5. Data Carrier Technology Integration scantrust: 																										
T2.6. DPP Components Integration and UIX 																										

This project has received funding from the European Union's Horizon Research and Innovation program under grant agreement N° 101181901 and from the Swiss State Secretariat for Education, Research and Innovation (SERI).



Co-funded by the European Union

Project funded by

Schweizerische Eidgenossenschaft
 Confédération suisse
 Confederazione Svizzera
 Confederaziun svizra
 Swiss Confederation

Federal Department of Economic Affairs,
 Education and Research EAER
 State Secretariat for Education,
 Research and Innovation SERI

Enabling a circular value chain

How data is needed along the supply chain

This project has received funding from the European Union's Horizon Research and Innovation program under grant agreement N° 101181901 and from the Swiss State Secretariat for Education, Research and Innovation (SERI).



**Co-funded by
the European Union**



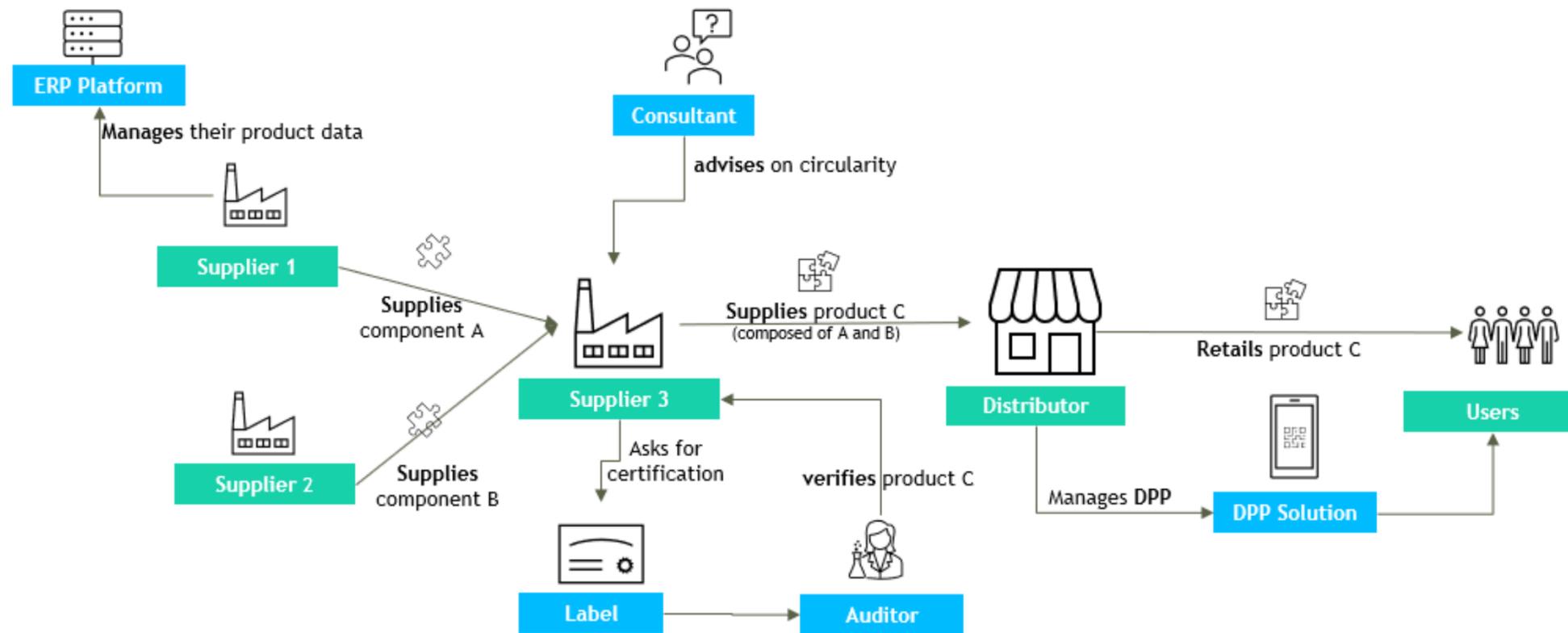
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation



Federal Department of Economic Affairs,
Education and Research EAER
**State Secretariat for Education,
Research and Innovation SERI**

Value Chain are complex and circulate a lot of data...



...which presents several challenges

No standardisation in data format

Different definitions for terms

Difficulty to go back up in the supply chain to collect data

Different data needs

This project has received funding from the European Union's Horizon Research and Innovation program under grant agreement N° 101181901 and from the Swiss State Secretariat for Education, Research and Innovation (SERI).



Project funded by

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Education,
Research and Innovation SERI

Swiss Confederation

This is the challenge addressed by the PCDS

→ Product Circularity Data Sheet



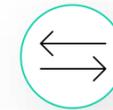
ISO standard 59040

Published internationally in February 2025, applicable to any physical product



Standardised template

Same definition, same format to describe the circularity of a product



A simple tool

To exchange circularity data between suppliers and buyers without sharing trade secrets



A reliable document

No greenwashing, data must be verifiable

This project has received funding from the European Union's Horizon Research and Innovation program under grant agreement N° 101181901 and from the Swiss State Secretariat for Education, Research and Innovation (SERI).



Co-funded by
the European Union

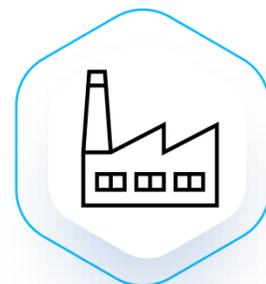


Project funded by
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Education,
Research and Innovation SERI

The PCDS: standardised statements to share a product's circular properties



TEMPLATE

PRODUCT AND SUPPLIER

COMPOSITION

PRODUCTION

DURABILITY

END OF LIFE

BENEFITS

Template version and creator

Name and identifier of product and of its supplier

Dangerous substances,
Reused / Recycled / Renewable content

Renewable energy,
Reused / Recirculated water

Repairability,
Demounting,
Disassembly,
Reusability,
Refurbishing

Released particles,
Dismantling,
Remanufacturing
Recyclable,
Compostable

Improves air / water,
Stores energy



TRUE/FALSE Statements

Fully standardised tick the box form, no subjective descriptions.



% Ranges

No need to disclose 'secret recipes' with exact %, intervals are enough.



Evidence

Links or comments to substantiate claims/give details can be added.

How does the PCDS fit in with existing regulations ?



ISO 59040 PCDS standard is voluntary

However

it provides the data infrastructure to meet the regulatory intent of the

Circular Economy Act and several pre-existing regulations in favour of circularity and sustainability

This project has received funding from the European Union's Horizon Research and Innovation program under grant agreement N° 101181901 and from the Swiss State Secretariat for Education, Research and Innovation (SERI).



Co-funded by the European Union

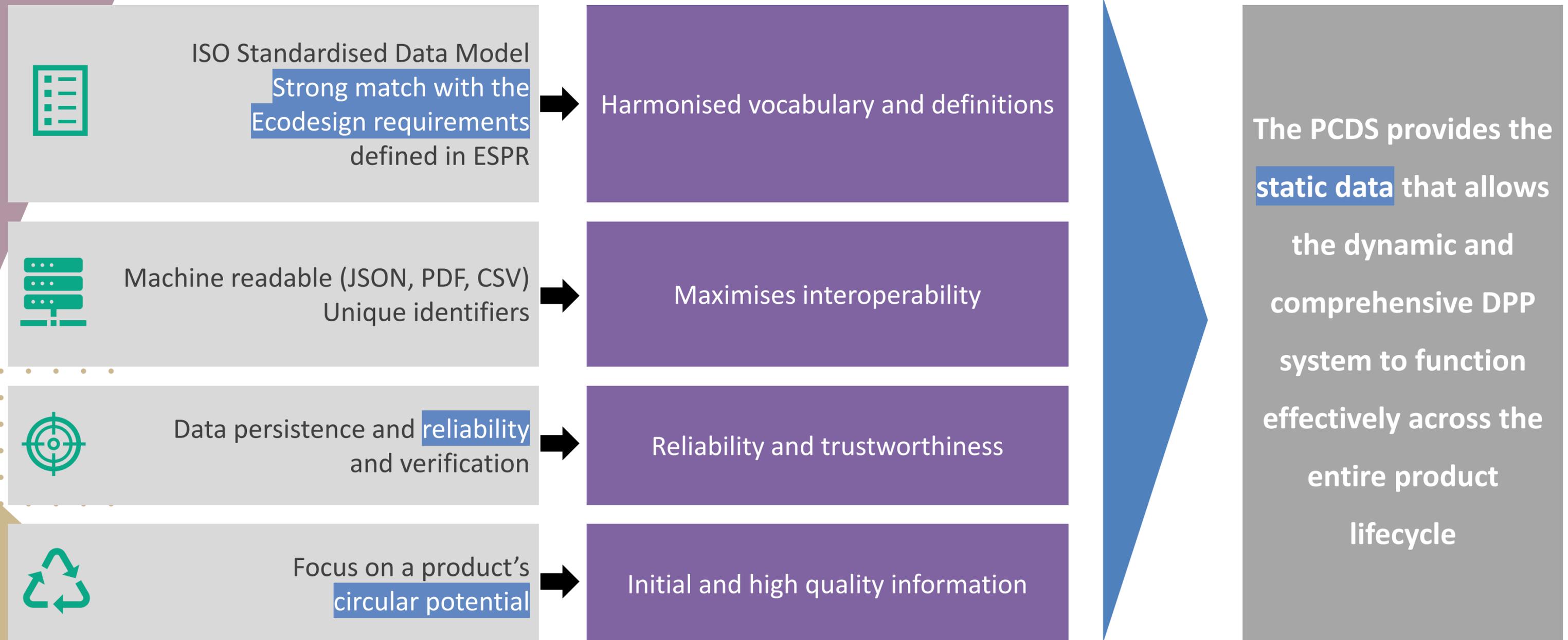


Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Education,
Research and Innovation SERI

PCDS is a standardised set of data that enables the DPP



This project has received funding from the European Union's Horizon Research and Innovation program under grant agreement N° 101181901 and from the Swiss State Secretariat for Education, Research and Innovation (SERI).



Co-funded by the European Union

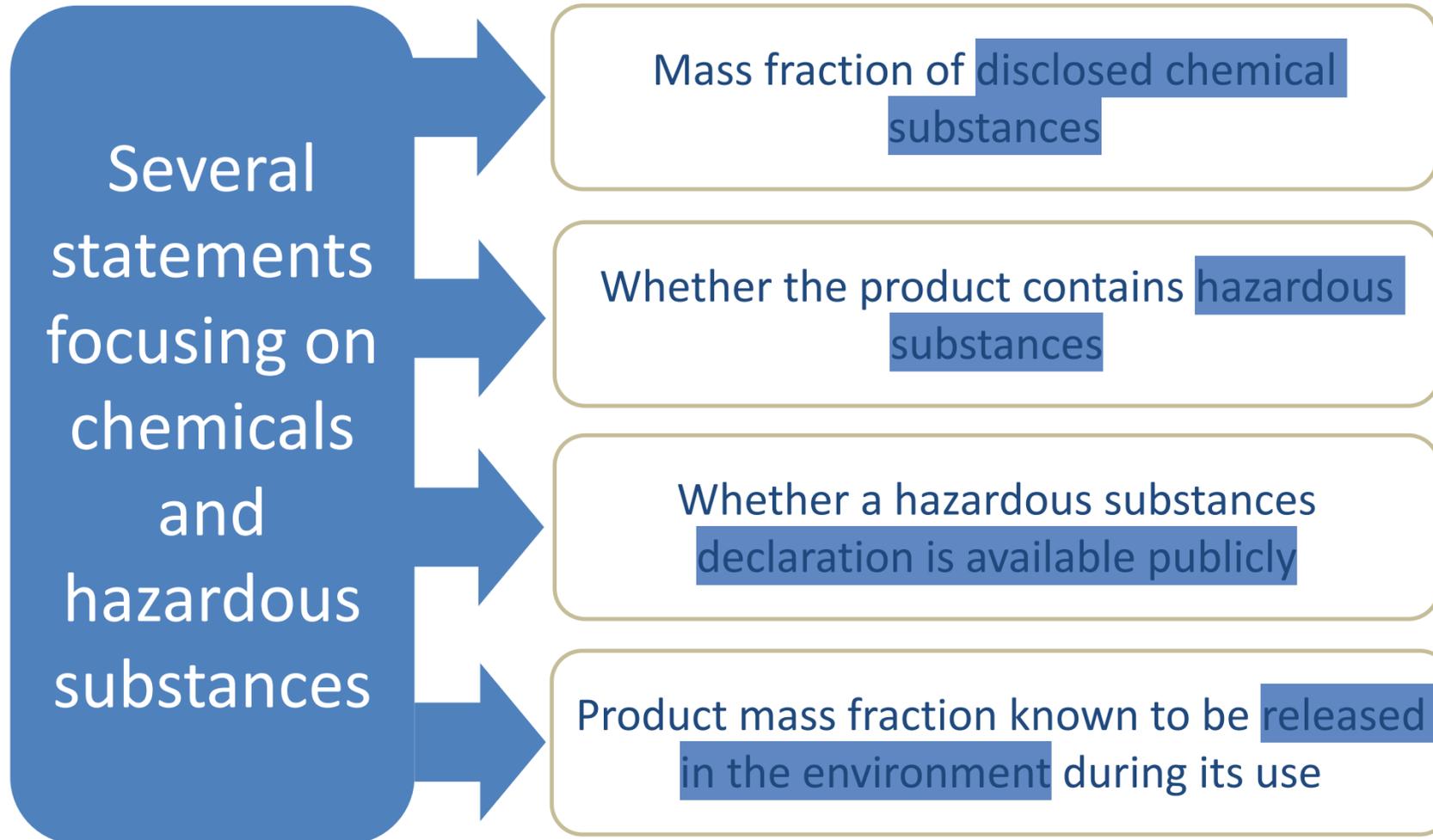


Project funded by
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Education,
Research and Innovation SERI

Swiss Confederation

Focus on hazardous substances



TerraMatters PUBLISHED

Key figures

MATERIAL INPUTS	DISCLOSED SUBSTANCES	95-99%
	NO HAZARDOUS SUBSTANCES	TRUE
	REUSED MATERIALS	0%
	RECYCLED MATERIALS	10-25%
PRODUCTION	RENEWABLE MATERIALS	0%
	RENEWABLE ENERGY	0%
	RECIRCULATED WATER	0%
LIFETIME	REPAIRABLE	FALSE
	DEMOUNTABLE	99-100%
	DISASSEMBLABLE	0%
	REUSABLE	TRUE
	REFURBISHABLE	TRUE
END OF LIFE	RELEASED IN ENVIRONMENT	0%
	DISMANTABLE	95-99%
	REMANUFACTURABLE	TRUE
	RECYCLABLE	99-100%
	COMPOSTABLE	FALSE
BENEFITS	IMPROVE AIR	FALSE
	IMPROVE WATER	FALSE
	STORE ENERGY	FALSE



This project has received funding from the European Union's Horizon Research and Innovation program under grant agreement N° 101181901 and from the Swiss State Secretariat for Education, Research and Innovation (SERI).



Co-funded by the European Union



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Education,
Research and Innovation SERI



Advancing Sustainable Textiles in the Circular Economy through Innovative EPR Schemes

www.trustexproject.eu

This project has received funding from the European Union's Horizon Research and Innovation program under grant agreement N° 101181901 and from the Swiss State Secretariat for Education, Research and Innovation (SERI).



**Co-funded by
the European Union**



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
**State Secretariat for Education,
Research and Innovation SERI**

