

The Product Circularity Datasheet (PCDS)



Responsibility Europe (RE)



Quick Overview – Chamber of Commerce Luxembourg



90.000
members



75 %
total salaried
employment



80 %
GDP

4 sustainable strategic pillars :

#1 Sustainable Business

Actions to guide and support companies in their objective of sustainable transformation

#2 Community

Partnerships and actions aimed at contributing positively to the development of society

#3 People

Actions for the professional development of employees and their employability, well-being as well as diversity and equality

#4 Planet

Actions for the preservation of resources and to face environmental challenges such as climate change



Quick Overview – Sustainable Business



SME PACKAGES SUSTAINABILITY | **AMORCEZ VOTRE TRANSITION DURABLE ET ÉCOLOGIQUE AVEC DES SOLUTIONS CONCRÈTES**



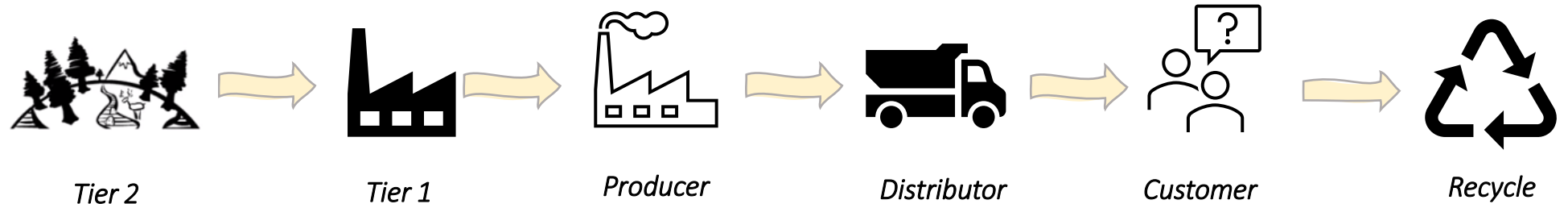
The Product Circularity Datasheet (PCDS)

*The solution enabling an
efficient exchange of
information on circular
characteristics of products*



Problem Statement

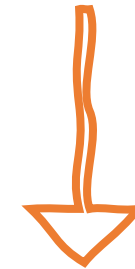
Collecting
circularity
data is
expensive,
difficult
and non-
standardized



#1 Confidential and Non standardized information flow



2# Information mostly lost



3# Material without information is waste

For the circular economy to work, **not only resources are required to circulate...**
But **also data** on circularity of products along the value chain

The PCDS, catalyst for a global circular economy

Growing awareness of a promising solution taking a complete approach to information flow on the circular properties of products



Circular Economy

- Key for the European Commission (Green Deal)
- Review of the directive on Ecodesign which is called 'Sustainable Product Initiative' (SPI): one of the subjects is the creation legislation on 'Digital Product Passports' (DPP)

The Product Circularity Data Sheet or PCDS

- Basic data source for others to establish how circular a product is, verified by a third party
- System combining trust and decentralized information based on true/false statements
- Secure data exchange
- International dimension: in parallel, ISO 59040 is being developed and it will be adopted internationally in 2024



ArcelorMittal



Various pilot projects

Validation of the User eXperience


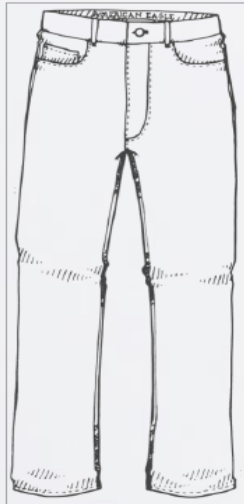





As for example:

- ArcelorMittal and Tarkett have published PCDS and their involvement
- Global solution providers such as SAP already involved
- Amazon has shown interest in verifying applicability across multiple product lines
- ...

How should the PCDS be imagined?

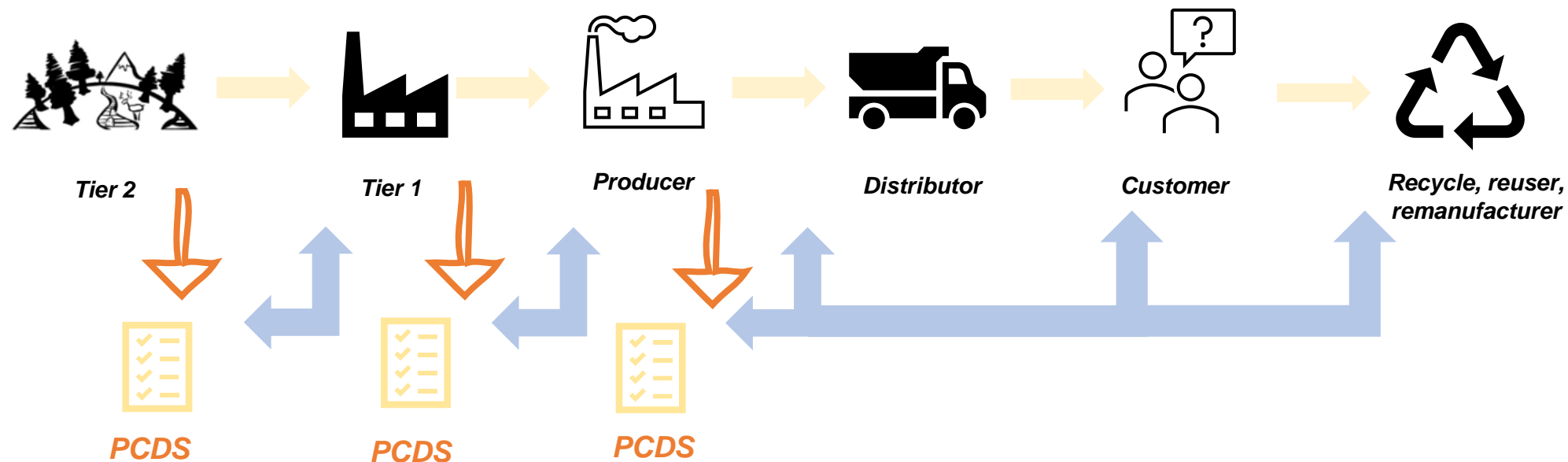
- A set of data describing all relevant information regarding the circularity of industrial products of all kinds
- Currently collected via PDF forms completed by producers, these are controlled and verifiable statements, guiding consumers and manufacturers towards informed choices
- Used to assess the circularity of referenced products and to support the implementation of profitable circular business models
- Managed in a decentralized manner, efficiency of data sharing, protecting data integrity

The PCDS is a set of data guiding consumers and manufacturers towards informed choices

PRODUCT CIRCULARITY DATA SHEET		STATEMENTS (Example)
 	 GENERAL INFORMATION	<ul style="list-style-type: none"> • Global Trade Item Number (GTIN) • Global Location Number (GLN)
	 COMPOSITION	<ul style="list-style-type: none"> • The product contains >75-95 % post-consumer recycled content by weight. • The product does not contain Substances of Very High Concern from the REACH Candidate list in concentration above 0.1% by weight.
	 DESIGNED FOR BETTER USE	<ul style="list-style-type: none"> • The product can be maintained & repaired by untrained personnel at the location of the product use.
	 DESIGNED FOR DISSASSEMBLY	<ul style="list-style-type: none"> • The product is designed to be installed and demounted using reversible connectors.
	 DESIGNED FOR RE-USE	<ul style="list-style-type: none"> • The product is designed for re-use as-is or with minimal modification. • The product is designed for composting in a home composter.

How does it **work**?

Standardized
way to share
circularity
reliable data
at each step of
the value
chain



A data template with
standardized product
information on the
circularity properties
without infringing
Intellectual Property



A third-party
verification
process to
validate the
content of the
PCDS



A standardized IT
exchange protocol &
format to share
efficiently trusted data
without relying on a
centralized database

Benefits of the PCDS

The PCDS allows to:

1. Create a **common language** about product circularity based on ISO standard
2. Make product information more **transparent** without infringing IP
3. **Facilitate** the **collection** of **trustworthy data** from your suppliers
4. **Support your design team** to improve product circularity
5. **Save costs** with a **standardized format** published once for all your customers
6. **Save time** with an **automated process** allowing the assembly of information from your suppliers' PCDS

Each Member wishing to issue PCDS will have to pay.
The use by a third party will remain free of access



50+
companies
&
organizations
from
12 European
countries
& USA

Where we stand **today**?



Creation of an economic interest group (“TERRA MATTERS”) under Luxembourg law concluded between the State and the Chamber of Commerce and whose purpose is:

- The **management and promotion** of the ecosystem around the concept of the PCDS
- The **development and marketing** of the PCDS as a technical solution and the provision of associated value-added services
- The development and management of **IT infrastructures** for the PCDS
- The elaboration and development of **industrial standards** to provide reliable data on the circular characteristics of materials and products (ISO 59040)
- The conclusion of potential **partnerships** in the interest of the ecosystem based on data on circularity
- Promoting and supporting the **transition to a circular economy**

Call to Action

PCDS.LU

**PCDS@ECO.ET
AT.LU**

You want to know more

Visit the website (pcds.lu)
& read the PCDS story (https://pcds.lu/wp-content/uploads/2020/11/PCDS_article_March2021.pdf)

You want to join the PCDS Network

Get in contact (pcds@eco.etat.lu) to discuss
potential next steps and **how to scale up the
PCDS** in companies' organisation

**Expert on ISO, interested to work on the future
standard ISO 59040**

You **can register** via your national body, on ISO TC 323
and join the **working group 5**

Responsibility Europe, the European Label for CSR



European Network
of Leading
CSR Labels

Founders of the association

3 CREDIBLE NATIONAL PARTNERS



Label Responsibility Europe

3 ROBUST LABELING SYSTEMS THAT QUALIFY FOR THE
RESPONSIBILITY EUROPE LABEL



Stratégie RSE • Gouvernance • Social • Environnement



DEVELOPPEMENT DURABLE
RESPONSABILITE SOCIETALE

INTERNATIONAL LABEL FOR CSR - RESPONSIBILITY EUROPE

Demanding and pragmatic commitments

THE RESPONSIBILITY EUROPE LABEL AWARDED TO THE 700+ LABELED COMPANIES OF THE PARTNERS



- Based on: ISO 26000 and 17 Sustainable Development Goals (SDGs)
- Verification: transparent methodology and subject to quality control carried out on site by an independent third-party organization
- Assessment: level of maturity, CSR performance, taking into account the expectations of society and the interests of stakeholders

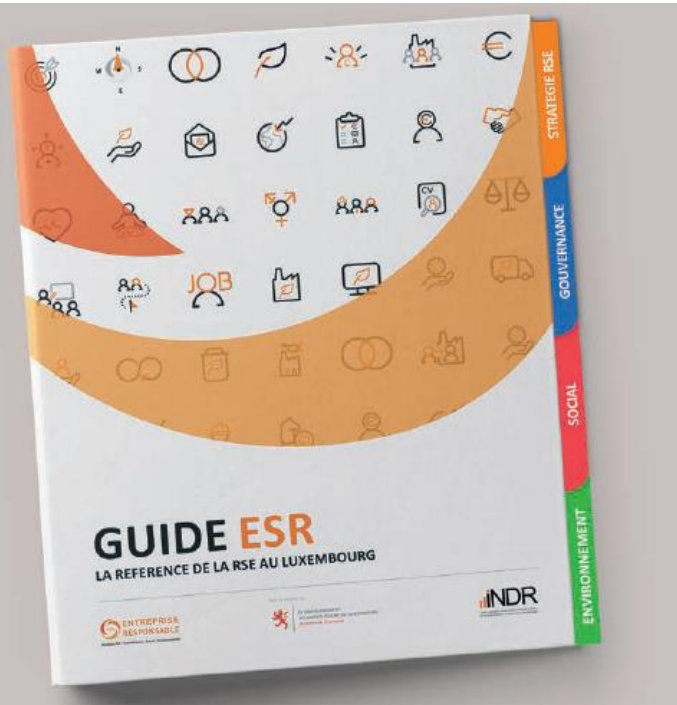
we commit
to top level standards of
corporate environmental
and social responsibility
we contribute
to a sustainable future
responsibility-europe.org



INTERNATIONAL LABEL FOR CSR - RESPONSIBILITY EUROPE

GUIDE ESR from INDR

A GUIDE IN FRENCH, ENGLISH AND SOON GERMAN TO HELP COMPANIES
STRUCTURING THEIR SUSTAINABILITY JOURNEY



STRATÉGIE RSE

	1. IDENTIFIER LES ACTIVITÉS	
	■ Identifier toutes les activités de l'entreprise	R01
	■ Identifier les activités d'entités contrôlées ou dépendantes	R02
	■ Définir l'étendue des activités incluses dans l'évaluation ESR	R03
	2. ANALYSER LES IMPACTS	
	■ Identifier les impacts économiques de l'entreprise	R04
	■ Identifier les impacts sociaux de l'entreprise	R05
	■ Identifier les impacts environnementaux de l'entreprise	R06
	3. RECONNAÎTRE LES PARTIES PRENANTES	
	■ Identifier les attentes de la société	R07
	■ Identifier les parties prenantes	R08
	■ Identifier les intérêts des parties prenantes	R09
	4. DÉTERMINER LA RESPONSABILITÉ DE L'ENTREPRISE	
	■ Déterminer les thématiques RSE pertinentes pour l'entreprise, la société et les parties prenantes	R10
	■ Déterminer les thématiques RSE prioritaires	R11
	5. DÉVELOPPER UNE STRATÉGIE RSE INTÉGRÉE	
	■ Définir une stratégie RSE	R12
	■ Adapter la stratégie de l'entreprise à la stratégie RSE	R13
	6. METTRE EN ŒUVRE LA STRATÉGIE RSE	
	■ Nommer un(e) responsable RSE qui coordonne la stratégie RSE	R14
	■ Élaborer un plan d'action pour mettre en œuvre la stratégie RSE	R15
	■ Allouer des ressources à la mise en œuvre de la stratégie RSE	R16
	■ Communiquer la performance ESG	R17
	7. CRÉER DE LA VALEUR PARTAGÉE	
	■ S'assurer que la stratégie RSE développe les connaissances dans l'entreprise	R18
	■ S'assurer que la stratégie RSE améliore les processus de l'entreprise	R19
	■ S'assurer que la stratégie RSE crée de la valeur pour les clients	R20
	■ S'assurer que la stratégie RSE crée de la valeur financière	R21
	■ S'assurer que la stratégie d'entreprise crée de la valeur sociétale	R22

- Structured in 4 main chapters (strategy, governance, social, Environment) which reflect the 3 interdependent pillars of sustainable development (environment, social, economy)

- 40 Objectives
- 100+ practical sheets

Call to Action

You want to know more

Visit the website

(<https://www.responsibility-europe.org/>)

If societies want to be labelled

Get in contact (info@indr.lu)

If national organisms want to be
part of the network

Get in contact (info@indr.lu)



Thank you
for your
attention

Jeanne Pernot
Chamber of Commerce Luxembourg

jeanne.pernot@cc.lu

+352 621 435 705

