Luxembourg Circularity Dataset Standardization Initiative

Conférence de presse
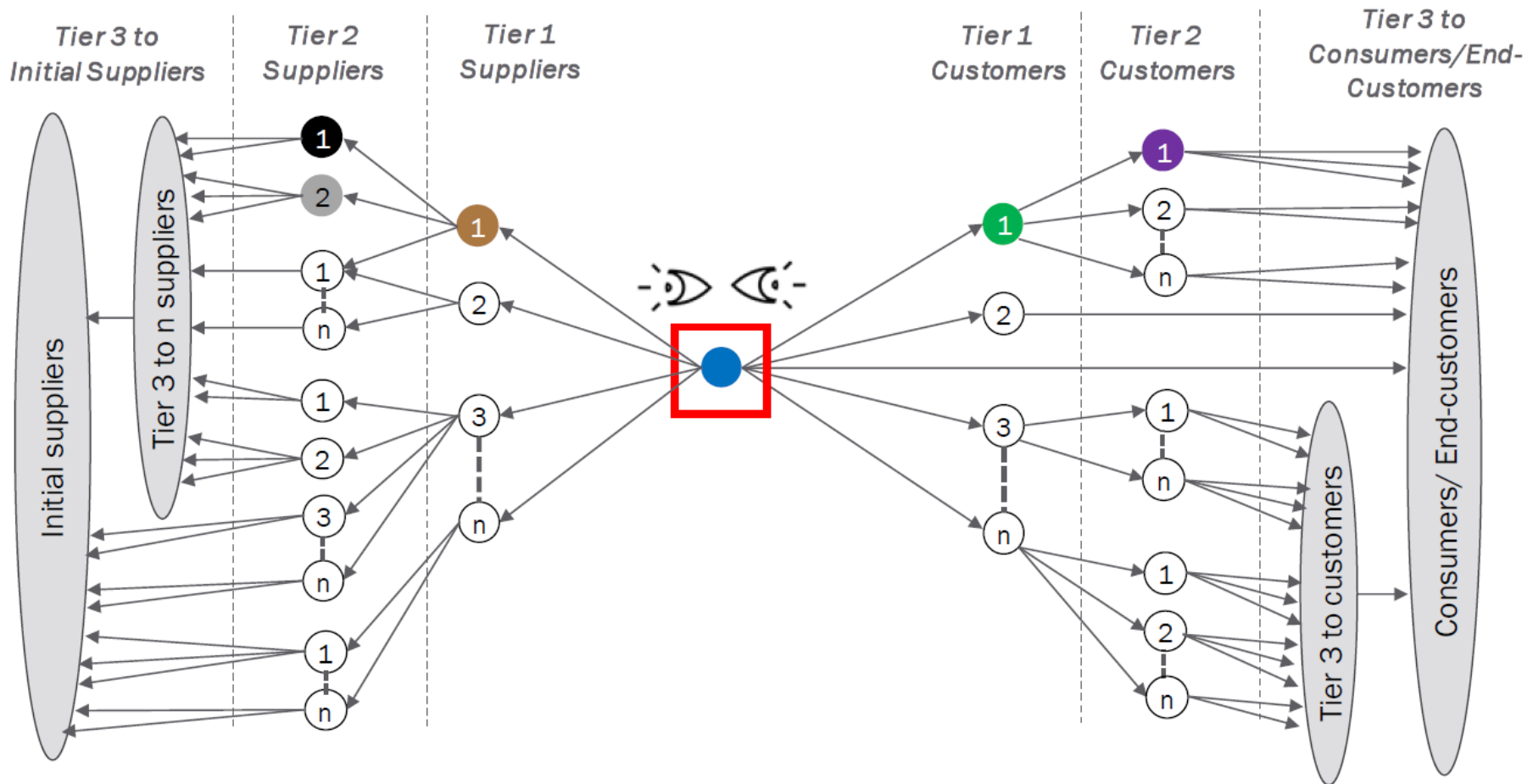
3 décembre 2019

LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de l'Économie

Supply Chain Data Management

Schematic view of a supply chain: supplier's view

+ImpaKT Luxembourg

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"Waste is material without an identity."
Thomas Rau

Identity retains value in Products, Components and Materials and enables circularity.

Data creates Identity.

We make data available.

Context

- *Objective : to establish a de facto industry standard in order to:*
    - *fill a gap in marketplace data for the circular economy (CE);*
    - *save costs for manufacturers and other stakeholders who are being asked to provide similar CE data in many different formats ;*
    - *improve CE data sharing efficiencies across supply chains ;*
    - *protect the integrity of data to assure its reliability.*

- *Mission : to coordinate the activities in order to engage with the key stakeholders*
    - *The Datasets Working Group to develop standardized circularity datasets & methods*
    - *An Auditing Working Group to define the auditing process*
    - *The Stakeholders Group to follow progress & pilot datasets*

- *Work orchestrated by +ImpaKT, mostly through webinars, first physical meeting on December 9th, 2019*

- *The need for standardized circularity datasets was reflected by the high participation rate observed through the engagement process*

PCDS "Product Circularity Data Sheet"

- *enables later circular evaluation of product by other stakeholders (e.g. platforms or consultants).*

- *is not designed for ranking or rating product circularity*

- *uses a "statement" approach , inspired by the Material Safety Data Sheet (MSDS) system*

- *shares answers not confidential data and contains limited non confidential information to support rapid scale up before more complex PCDS are developed in a second phase*

- *has a standalone structured content, independently of the later use of the product*

- *is integrated throughout the supply chain, allowing the assembly of information from multiple PCDS in a machine readable format*

- *is auditable and guarantees the integrity and correctness of the data*

- *leaves ownership and control of the data with the producers*

- *avoids costly centralized storage and maintenance*

PCDS Content Examples

Statement examples:

- *The weight fraction of all disclosed chemical substances is > X %*

- *X % of the product (weight in kg) is designed to be dismantled to the level of materials that can be reused or recycled for other products*

- *The product is designed to be installed and demounted using reversible connectors*

- *The product is designed for remanufacturing*

- *The product is designed for re-use as-is or with minimal modification*

- *The product is designed for composting in an industrial facility*

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www.circularitydataset.lu

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