

Orgalim Policy Exchange

The Sustainable Products Initiative and EU Digital Products Passport

29 June 2021 | 10.00 – 11.30 | Virtual event



Orgalim Policy Exchange: The Sustainable Products Initiative and the EU Digital Product Passport, 29 June 2021

Welcome

Stéphanie Mittelham, Manager Energy and Environment,
Orgalim – Europe's Technology Industries

Orgalim at a glance

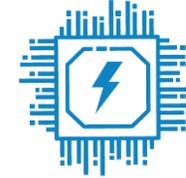
Who we are



Mechanical
Engineering



Metal
Technology



Electrical Engineering,
Electronics, ICT

Our purpose

We are shaping a future that's good

What we do

Orgalim is the foremost voice of Europe's technology industries at the EU level, working with policymakers to strengthen their sectors' growth and global leadership, maximise their contribution to Europe's economy and society and foster a new relationship of trust between businesses and citizens

What we represent

Annual turnover

 **2,126**
billion EUR

Direct employment

 **11.33**
million people

Annual exports

 **567**
billion EUR

Our industries comprise of

 **770,000**
companies
the vast majority of which are
SMEs and microbusinesses

Member Associations

47 Member Associations, 22 Countries



National Associations

Austria
FMTI 

Belgium
AGORIA 

Croatia
Croatian Chamber of Economy
HUP  

Denmark
DI 

Finland
Technology Industries of Finland 

France
FIEEC  
FIM

Germany
VDMA  
WSM
ZVEI 

Great Britain
BEAMA 
GAMBICA 

Hungary
MAGESOZ 

Ireland
Ibec 

Italy
ANIE 
ANIMA 

Latvia
MASOC 

Lithuania
LINPRA 

Luxembourg
FEDIL Metal 

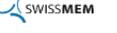
The Netherlands
FME  
METAALUNIE 

Norway
Norsk Industri 

Portugal
AIMMAP 

Slovenia
GZS-MPIA 

Spain
SERCUBE 

Switzerland
SWISSMEM 

Sweden
TEKNIKFÖRETAGEN 

Associate members

Turkey
MAKFED 

Sector Associations

AFECOR  
AQUA 
AQUA EUROPA  
CECAPI  
CECE 
CEIR 
CEMEP  
CEO  
CEMEX 
C.E.F.A.C.D. 
EFCEM  
EGMF 
EURALARM  
EUROPACABLE 
EUROPUMP  
FARECOGAZ 
FEM  
PNEUROF 
T&D Europe

What issues?

Industrial Policy

- Orgalim Vision 2030: a progressive and forward-looking industrial strategy for the EU
- “Connecting the dots” across key strategic pillars, supporting the digital and green transitions
- Supporting transversal technologies

Digital Transformation

- Industrial IoT and infrastructure
- Industrial data
- Cybersecurity
- Artificial Intelligence

Energy & Environment

- Climate
- Green Deal
- Circular Economy
- Energy Infrastructure
- Sustainable and Smart Mobility
- Smart and Sustainable Buildings
- Ecodesign and Energy label
- Waste/RoHs/Reach

Internal Market

- Standardisation Policy
- Market Surveillance
- New Legislative Framework
 - Machinery Directive
 - Pressure Equipment Directive
 - EMC, LVD, RED
 - PED
 - CPR
 - Noise

Trade

- Open and free trade
- Level playing field
- Multilateral Trading System
- Bilateral Trade Agreements
- Market Access
- Foreign Subsidies
- CBAM

Legal

- Product Liability
- Competition law
- IPR
- Legal publications

Innovation & Investment

- Horizon Europe
- Investment policy
- Economic reports
- Open Innovation
- Public Private Partnerships

Agenda for today's Policy Exchange

Latest news on the Sustainable Products Initiative (SPI) and EU Digital Product Passport (DPP)

- Paola Zanetti, Senior Expert - Legal Officer, DG GROW, European Commission
- Michele Galatola, Policy Officer, DG GROW, European Commission

Orgalim views on the SPI & proposed DPP

- Louise Bünemann, Vice-Chair Orgalim Environmental Sustainability Working Group, Senior Adviser at Danish Industries

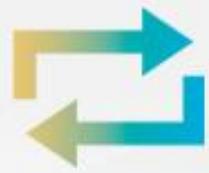
Practical views on the Digital Product Passport

- Jesper Jerlang, Standardization Manager, Danfoss Drives A/S
- Kati Palomaa, Manager Sustainability and Analytics, Konecranes Global Corporation
- Dr. Benedikt Brenken, Director R-Cycle Initiative
- Prof. Dr. Dieter Wegener, VP and Head of External Cooperation at Siemens Technology & Chairman of ZVEI Industrie 4.0 Management Circle

Interactive Q&A session

Wrap-up & next steps

Speakers



Orgalim Policy Exchange

The Sustainable Products Initiative and EU Digital Products Passport



Dr. Benedikt Brenken
Director R-Cycle Initiative



Louise Bünemann
Vice-Chair Orgalim Environmental Sustainability Working Group; Senior Adviser at Danish Industries



Michele Galatola
Policy Officer, DG GROW, European Commission



Jesper Jerlang
Standardization Manager, Danfoss Drives A/S



Kati Palomaa
Manager Sustainability and Analytics, Konecranes Global Corporation



Prof. Dr. Dieter Wegener
Chairman of ZVEI Industrie 4.0 Management Circle



Paola Zanetti
Senior Expert – Legal Officer, DG GROW, European Commission



Orgalim Policy Exchange: The Sustainable Products Initiative and the EU Digital Product Passport, 29 June 2021

Latest news on the Sustainable Products Initiative (SPI) and EU Digital Product Passport (DPP)

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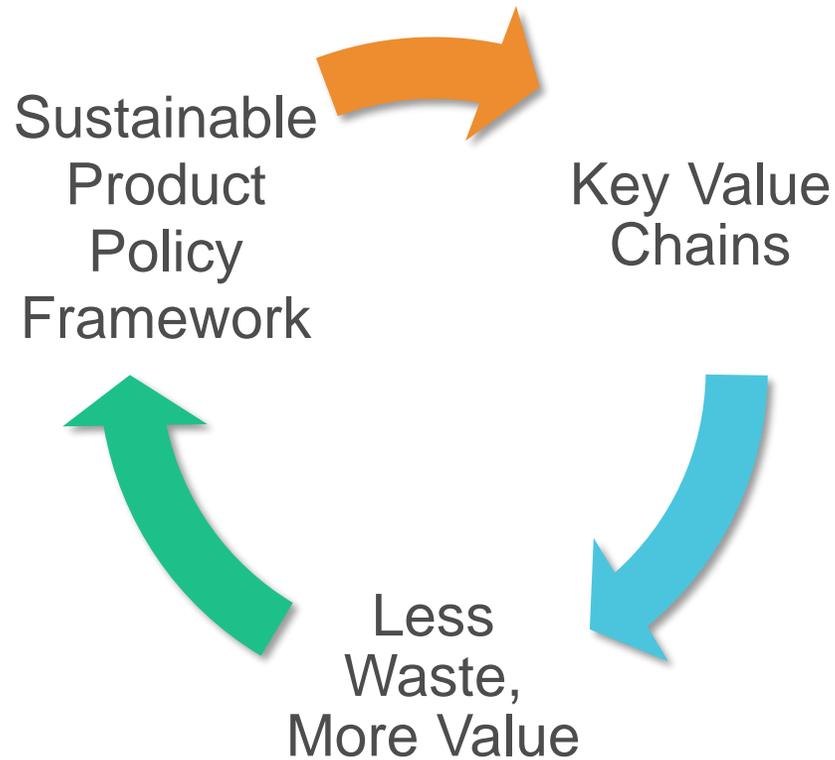
The Sustainable Products Initiative and EU Digital Product Passport

Orgalim Policy Exchange

29 June 2021

The New Circular Economy Action Plan

Adopted in March 2020



Electronics



Batteries



Packaging



Plastics



Textiles



Construction and buildings



Food, water and nutrients

From CEAP to SPI



- CEAP introduces a **new policy framework aiming to address most products in the internal market**, to promote more sustainable production and consumption
- **How?** A **legislative proposal** by Q4 2021
- **What? Revision Ecodesign Directive** (extending scope) plus other legislative or non-legislative proposals if needed
- SPI prepared in close coordination with other initiatives under CEAP, especially on **Empowering consumers for the green transition** and on **Green Claims**

Sustainable Products Initiative Objectives

"To make products fit for a climate, resource-efficient and circular economy, reduce waste, make high sustainability performance become the norm in the EU"

SPI will aim to:

- Widen the scope of the **Ecodesign Directive** to the broadest possible range of products
- Establish sustainability principles and other appropriate ways to regulate the following:
 - Improving product **durability, reusability, upgradability and reparability**
 - Increasing **recycled content** in products and facilitating **remanufacturing**, including possible measures on **production processes**
 - Restricting **single-use**, countering **premature obsolescence**, banning the destruction of **unsold durable goods**
 - Incentivising **product-as-a-service**
 - **Reducing carbon and environmental footprints**
 - Mobilising the potential of **digitalisation** of product information, including solutions such as **digital passports, tagging and watermarks**
 - **Rewarding** sustainable products by linking incentives to sustainability performance levels; minimum sustainability requirements on **public procurement** of products
 - Addressing **social aspects** throughout the lifecycle of products where feasible

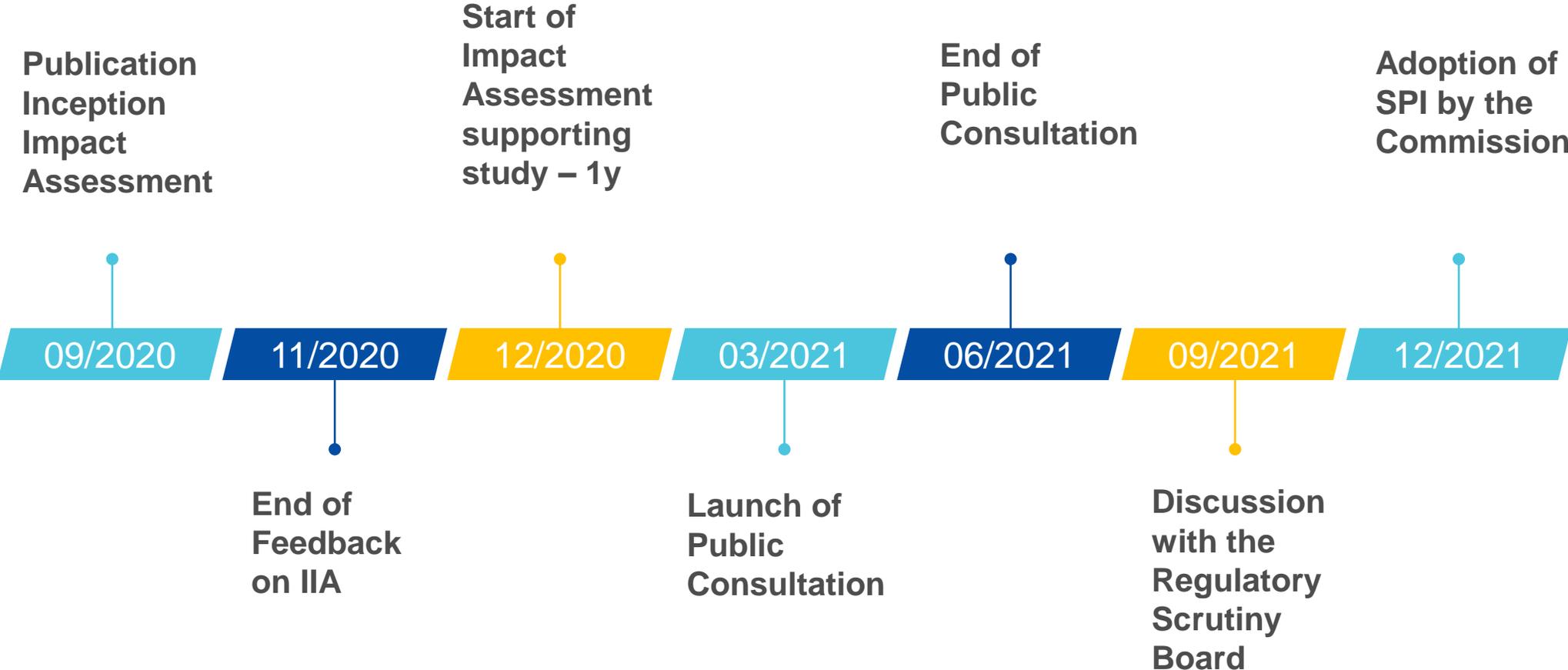


Priority: electronics, ICT, textiles, furniture and intermediate products such as steel, cement, chemicals

Sustainable Products Initiative – points of attention

- Harmonised requirements;
- Tailored and specific requirements via implementing measures;
- Adequate Enforcement and Market Surveillance;
- Articulation with existing product-specific and horizontal legislation;
- Articulation with other emerging initiatives

SPI timeline and preparatory process (1)



SPI timeline and preparatory process (2)

- Broad cooperation on SPI within Commission (co-lead by DG ENER, ENV and GROW)
- **Inception Impact Assessment** published in 2021; 193 feedback replies
- **Open Public Consultation** until 9 June 2021 on the 'Have Your Say' portal: <https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/12567-Sustainable-Products-Initiative>
- **Support study** : kicked off in Dec 2020. Study contractor responsible for targeted consultation activities (*further information to be provided*)
- **Commission Impact Assessment** to be prepared for Q3 2021 (to assess which combination of measures can best achieve the objectives)
- Legislative proposal planned for **Q4 2021**



The Digital Product Passport (DPP)



Internal Market

WHAT

*A structured collection of product related data with predefined scope and agreed data ownership and access rights conveyed through an **unique identifier***

HOW

***Decentralised** system linked with the European Dataspace for Smart Circular Applications (EDSCA).*

SCOPE

Information related to sustainability, circularity, value retention for re-use/remanufacturing/recycling

The DPP business case



Tracking of **raw materials extraction/production**, supporting due diligence efforts



Benefit **market surveillance authorities and customs authorities**, by making available information they would need to carry out their tasks



Enable **manufacturers** to create products **digital twins**, embedding all the information required either by or by customers in B2B transactions



Make available to **public authorities and policy makers** reliable information. Enable to link **incentives to sustainability performance**



Tracking the life story of a product, enabling services related to its **remanufacturing, reparability, second-life, recyclability**, new business models



Allow **citizens** to have access to **relevant and verified information** related to the characteristics of the products they own or are considering to buy/rent (e.g. using apps able to read the identifier)

Consultations

Formal public consultation closed on 9th June 2021 – Analysis of comments

Stakeholder Consultation Workshop (180 participants) covered many issues:

- **Use Cases:** Clear business cases exist; business prepared to provide data if well justified; gradual and targeted deployment; build on existing data and databases (no duplication); science-based, comparable, clear data; should include static and dynamic data where useful.
- **Governance:** Open (non-proprietary) and global standard (ISO etc) should be used to ensure interoperability, comparability etc. ; European Commission should set up and manage DPP.
- **Technologies:** System should be decentralised (“distributed”). Need to ensure public data does not compromise confidentiality. Blockchain is one of several relevant technologies.
- **Data Access:** Need balance of open access & confidentiality. need to define responsibility for data input and accuracy; changes of ownership & bankruptcy; compliance monitoring; need for neutral management

Basic working principles

- Every product receives a **unique identifier** (“birth certificate”) with basic information (e.g. producer, model, date); this is kept on a centralised registry.
- An address is created similar to a URL (Uniform Resource Locator) for the product. When combined with a tag (QR code, RFID, Bluetooth tag) the company, consumer or public authority can connect directly to access the product’s unique digital profile with quantitative and qualitative, static and dynamic, standardised and machine-readable data.
- Agreed standards and protocols streamline the delivery of the product information and systems interoperability based on common ontologies and classifications, and agreed protocols.

Managing confidential data

- Most **data can stay in the place of origin**. There is no need to mirror and copy the data in centralised databases. The registries with links to the distributed data can be managed by third trusted partners ensuring reduced cost or administrative burden. One example is the GS1 model.
- Distributed ledger technologies, including blockchain, can enable **secure or encrypted** decentralised data where needed and a dependable information trail.
- Access to information provided on a “**need-to-know basis**”

Selecting the data to populate the DPP

- A plausible option could be to define the « **classes of attributes** » in the horizontal legislation, empowering the Commission to identify the specific attributes **at product group level** - in close collaboration with the relevant stakeholders – when drafting the **secondary legislation**.
- Depending on the product groups, the attributes could refer to the **specific product** (in that case serialisation will be needed) or at the **model**.
- Data on **social impacts**, if relevant and appropriate, may be provided at **corporate/manufacturing site** level.
- Data already provided will be re-used whenever possible. New data will be required only if necessary to achieve SPI objectives.
- Verification will be needed to ensure compliance.

Content of the digital product passport

- The identification of the “families of attributes” may be included in the horizontal legislation. It is important to keep in mind that each attribute should be available on a “**need-to-know**” basis.
- A preliminary list, which has not yet been the subject of political discussion within the Commission, includes the following:
 - Name of the model
 - Producer
 - Size, color, picture of the model
 - Location of the manufacturing plant
 - Origin of raw materials
 - Environmental impact indicators (PEF profile if calculated)
 - Circularity indicators
 - Social indicators/due diligence compliance
 - Chemical content
 - Recycled content
 - Use instructions
 - Recycling instructions
 - Dismantability instructions
 - Other labels & green claims

Digital Product Passport – Data Policy & Programmes

- Coordination and Support Action on DPP (2€M) DEP 1st call (Deadline Sept. 21) on DPP in electronics, batteries and other key value chains
- Dataspaces for Manufacturing Pilots (22M) DEP 2nd call (end '21) focusing on B2B sharing of information for development of new sustainable business models
- Support for data governance following the recently adopted proposal for a Data Governance Act that provides a horizontal framework for the creation of a single market for data – re-use of sensitive data held by public sector bodies, framework for data intermediaries and data altruism, set up of a European Data Innovation Board
- Support for data infrastructure – Next generation EU
- Support the development and deployment of digital technologies through DEP and HE such as Blockchain, IoT, AI and others enabling the functioning of DPP.

Thank you!





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Orgalim views on the SPI & DPP

Louise Bünemann, Vice-Chair Orgalim Environmental Sustainability Working Group, Senior Adviser at Danish Industries

Orgalim views on the SPI and DPP



POSITION PAPER

Brussels, 8 June 2021

Orgalim position on the Sustainable Products Initiative

Orgalim Position Paper is available via
www.orgalim.eu/position-papers

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Orgalim welcomes the 'Sustainable Products Initiative'

Europe's Technology Industries welcome the European Commission's Sustainable Products Initiative as a key measure to further optimise the way resources are used throughout the economy and society.

Our industries stand ready to continue providing innovative, cutting-edge technology solutions and sustainable products and to continuously improving the performance and overall sustainability of products, striving for excellence and ensuring that consumers, businesses and the environment benefit from competing, innovative, cutting-edge technology solutions.

For our industries, high product quality is a core competitive argument, and this goes hand in hand with sustainability.

The SPI is an opportunity for win-win for the environment and the economy

Consumers as well as our industries will benefit from more sustainable products – provided that they are properly designed according to the **key principles** below:

- Securing the functioning of the **Single Market**
- An **impact assessment** must always be conducted (Better Regulation)
- Ensuring effective **enforcement and market surveillance**
- Requirements must be based on scientific assessment methods through recognised European or international **standards** and must be **reliable and verifiable**
- The "**SMERC**" **principle** must be applied; requirements must be Specific, Measurable, Enforceable, Relevant, there must be no significant negative impact on the industry's Competitiveness
- We support information at product level when it is **possible and relevant**
- **The industry should be involved** as early and as fully as possible

A legislative framework that lets European Industry lead the way

- The burden put on companies must be **proportionate**
- Information should respect **confidentiality** related to protectable trade secrets and secure IP protection.
- There is **no one-size-fits-all approach**. SPI requirements and DPP must be established on a sector-by-sector and product-by-product basis
- Requirements should be **technology-neutral**
- Requirements should **not hinder the development of new innovations, business models and products**
- The EU should **support European companies** to put in place these new SPI and DPP measures **as well as the EU Member States** who will control these measures
- We strongly oppose **third-party certification** or inspection

A Digital Product Passport to promote circularity and to be workable for industry

- DPP should be designed to **support circular economy principles**
- DPP should be properly designed by policymakers **together with the industry**
- We have a **general concern about the protection of confidential data/information**
- Information on product characteristics must be **meaningful, easy to understand, reliable, comparable, verifiable** and have an improvement potential from a sustainability perspective. The quality of data is important and data has to be of added value
- We recommend to **start with a small number of products and simple criteria** based on data already available rather than with a wide scope and complex criteria
- The information content in the passports should be **limited to regulatory requirements**

Principles for the Digital Product Passport

- **Consistency and alignment** with existing requirements under other EU laws
- There must be **clear responsibilities for all actors**
- DPP requirements must be **verifiable and enforceable** to guarantee a **level playing field**
- The appropriate and reasonable **level of detail of information** needs to be determined
- We welcome that for specific value chains or specific product groups, **stakeholders will be invited** to identify relevant data and agree on access
- We also welcome that the DPP is expected to be a **decentralised system** linked with the European Dataspace for Smart Circular Applications
- The DPP should be similar to the EU Product Database for Energy Labelling (**EPREL**) database where some information can only be accessed by the authorities and is subject to higher security safeguards

The devil is in the detail – the content of the Digital Product Passport I

Much will depend on the type of products that will be within the scope of the passport as well as on how these proposed requirements will be formulated in detail:

- **We agree** with the following proposals:
 - List of legislation and standards that the product complies with, or the technical specifications that it fulfils
 - Information on safe use and instructions, where applicable
- **We are neutral** on the following proposals
 - Information relevant for testing, disassembly, maintenance, repair or reassembly
 - Information on Product Environmental and/or carbon footprint, or other relevant sustainability characteristics
 - Any possession of sustainability labels, such as the EU Ecolabel
 - Information on how the product should be recycled and /or handled at the end of life

The devil is in the detail – the content of the Digital Product Passport II

- **We disagree** with the following proposals:
 - Economic actors at the origin of information
 - Recycled content of each material present in the product
 - Results of compliance tests against legislations, standards or technical specifications
 - Expected lifespan of the product

- **We strongly disagree** with the following proposals:
 - List of materials and substances present in the product
 - Quantities of materials and substances present in the product
 - Presence in the product of hazardous chemicals, and if so, their location
 - Information relevant to remanufacture and spare parts (e.g. CAD technical drawings, 3Dprinting files)
 - Information on the origin of product components
 - Information on material sources (e.g. conflict-free materials, responsible mining etc.)

Circular business models

- **Policymakers** should not develop business models
- A **level playing field** must be secured
- We strongly support the circular business model of **product-service systems**

Orgalim strongly supports the Ecodesign instrument

Should the **scope** of the existing Ecodesign Directive be extended to non-energy related products:

- **We recommend maintaining the existing framework of the Ecodesign Directive for energy-related products** to guarantee legal and investment certainty, confidence and trust in the market in the ongoing implementation
- **Adding new products** within the scope of Ecodesign **should be proportionate** and we defend the method of establishing implementing measures in the existing Ecodesign Directive as stipulated in its Article 15

The right incentives can push the circular economy forward

- We strongly support developing and implementing **mandatory Green Public Procurement (GPP)** criteria and targets
- Any extension of **Extended Producer Responsibility (EPR)** obligations should be carefully analysed. We call for a true 'shared responsibility' – 'all actors' approach
- We doubt the **modulation of fees** on the sustainability of products under EPR schemes will work in practice for Waste Electrical and Electronic Equipment (WEEE) and will have an impact on product design

Orgalim views on the SPI and DPP

Our detailed views are available in our [Position Paper](#)



Orgalim Position Paper is available via www.orgalim.eu/position-papers



Orgalim Policy Exchange: The Sustainable Products Initiative and the EU Digital Product Passport, 29 June 2021

Practical views on the proposed Digital Product Passport

- Jesper Jerlang, Standardization Manager, Danfoss Drives A/S
- Kati Palomaa, Manager Sustainability and Analytics, Konecranes Global Corporation
- Dr. Benedikt Brenken, Director R-Cycle Initiative
- Prof. Dr. Dieter Wegener, VP and Head of External Cooperation at Siemens Technology; Chairman of ZVEI Industrie 4.0 Management Circle



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Jesper Jerlang, Standardization Manager, Danfoss Drives A/S

ENGINEERING
TOMORROW

Danfoss

A Digital Product Passport seen from a manufacturer's view

Jesper Jerlang, Danfoss Drives



A global player with headquarters in Denmark



Danfoss Power Solutions

#2 Market position

- 7,826 employees
- 28 factories in 12 countries
- 2.2bn EUR annual sales



Danfoss Climate Solutions

#2 Market position

- 10,792 employees
- 32 factories in 15 countries
- 2.6bn EUR annual sales



Danfoss Drives

#2 Market position

- 4,504 employees
- 10 factories in 7 countries
- 1.5bn EUR annual sales



In Danfoss Drives we in principle produce one type of product, but...

- On-demand production of configured products
 - 130.000 active product numbers
 - Production at 10 sites in 7 countries
 - Bill of materials typically 150-1.000 lines
 - 20.000 active part numbers
 - 500 active suppliers (3.700 in Danfoss)
 - Dual or multiple sourcing for most components
-
- And final products are used under very different conditions (operation, temperature, vibrations, humidity etc.)



A Digital Product Passport is an opportunity

- Opportunity to increase **transparency** and provision of **useful information** along the value chain like:
 - List of legislation and standards that the product complies with
 - Information on product environmental performance
 - Information on safe use
 - Information relevant for maintenance and repair (exempting confidential information)
 - Information on handling and recycling at end of life
- **Relevance** is key – who will use the information in real life?
- Make it **easy** to collect and present the required information and ensure that information has only to be provided **once**

Recommendations for a Digital Product Passport

- Consider the **complexity** of value chains and data flows as well as configurations – avoid requesting data like:
 - Recycled content
 - Quantities of materials and substances in the product
 - Expected lifespan of the product
 - Origin of components
 - Social conditions along the value chain
- Protect **business sensitive data** like:
 - CAD technical drawings, 3D printing files
 - Test results
- Be **realistic** – consider what is **feasible** in real life – **involve** industry



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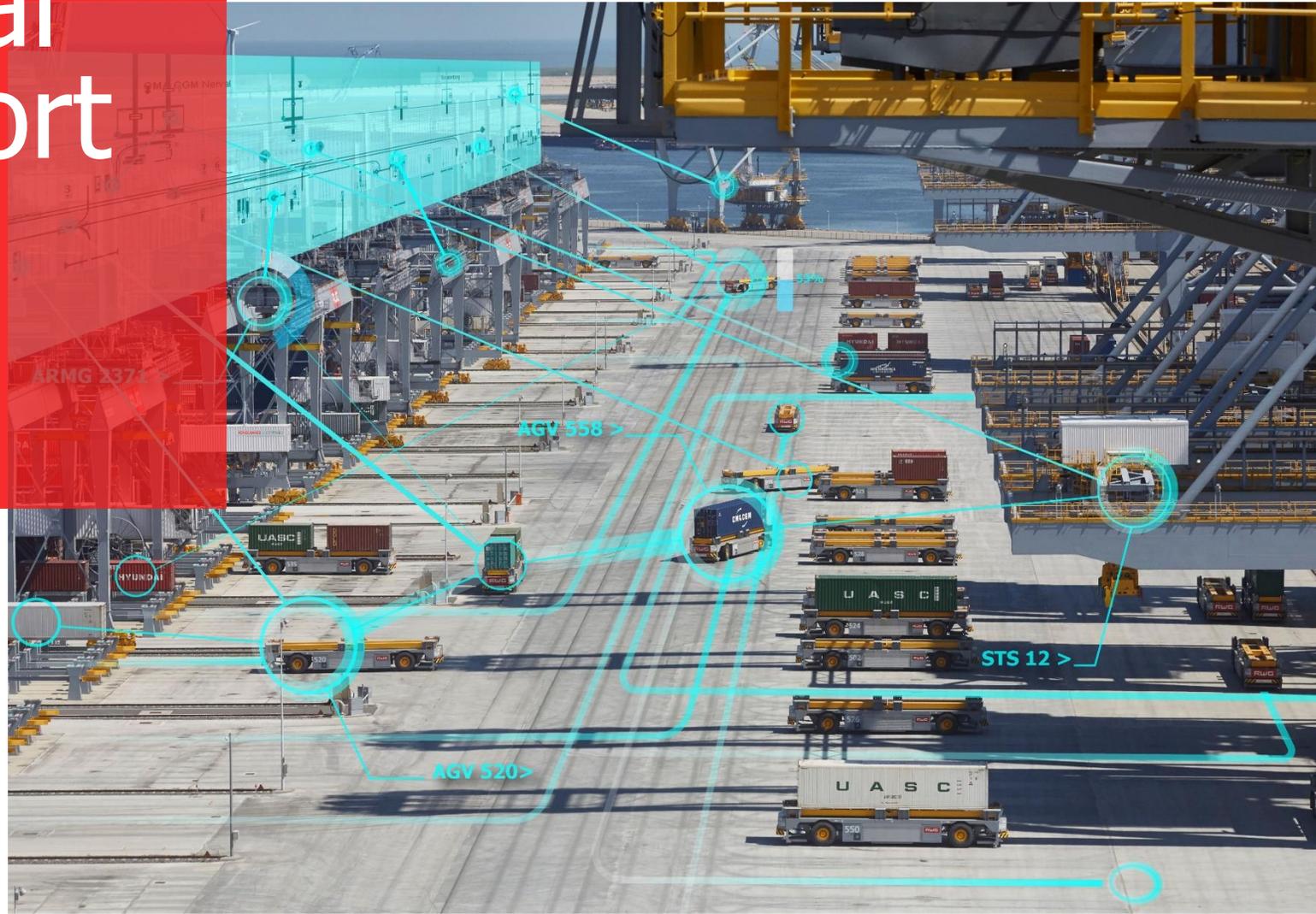
Practical views on the proposed Digital Product Passport

Kati Palomaa, Manager Sustainability and Analytics, Konecranes Global Corporation

Konecranes views on Digital Product Passport

Kati Palomaa
29.6.2021

KONECRANES[®]
Lifting Businesses[™]



World's #1 in lifting



Service



Industrial Equipment



Port Solutions



SALES
€ 3.2
BILLION

OVER
16,000
EMPLOYEES

We support to share relevant product information and protect confidential information

- Product compliance, technical specifications and safe use, operating and maintenance instructions for customers
- Utilize existing data: digital product data, SCIP
- Take into account ownership and confidentiality of data: usage data, IPR, spare parts
- Take into account the product long life time (tens of years)
 - re-usability, recyclability?



We are concerned about high reporting burden and unreliable data

- Very complex and tailored products based on customer needs
- Definition of "a product"?, Product in product
- Product changes during life time (modernizations, spare parts)
- Long supply chains, multiple sources worldwide
- To avoid high reporting burden on manufacturers
- Product manufacturer should not be responsible for raw material and component data, like lists and quantities of materials and substances





**NOT JUST LIFTING
THINGS, BUT ENTIRE
BUSINESSES**



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Practical views on the proposed Digital Product Passport

Dr. Benedikt Brenken, Director R-Cycle Initiative



R-Cycle

the digital standard for circularity



R-Cycle

With the digital product passport to a circular economy for plastic packaging

Orgalim Policy Exchange, 29.06.2021

Dr. Benedikt Brenken, Director R-Cycle Initiative

Recyclable packaging is not enough



Even plastic packaging that is **recyclable**, are **not recycled** in practice.

→ Because **no one knows** that it is recyclable!

How should circular economy work for plastics?

Precise **knowledge** of the **components** of plastic packaging



Precise **sorting**



High **purity** recyclate



Wide range of possible **applications**

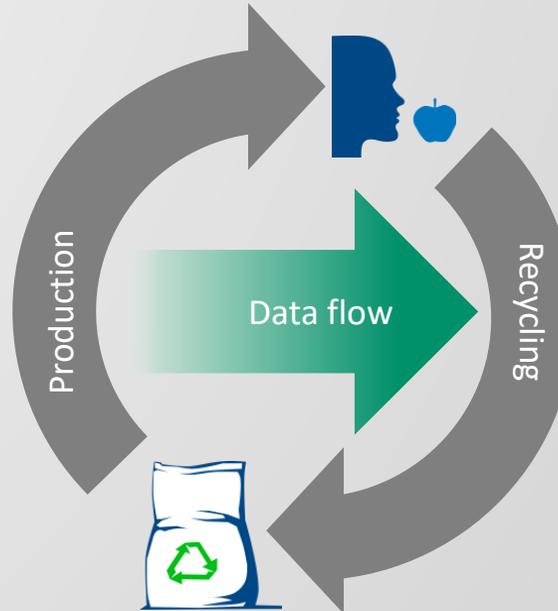
R-Cycle makes packaging data available

1

Collection of packaging data during production steps



- Unique product identifier
- Using already available data, collected by different value chain actors



- Open, global GS1 standard & protocols
- Established tracing technology

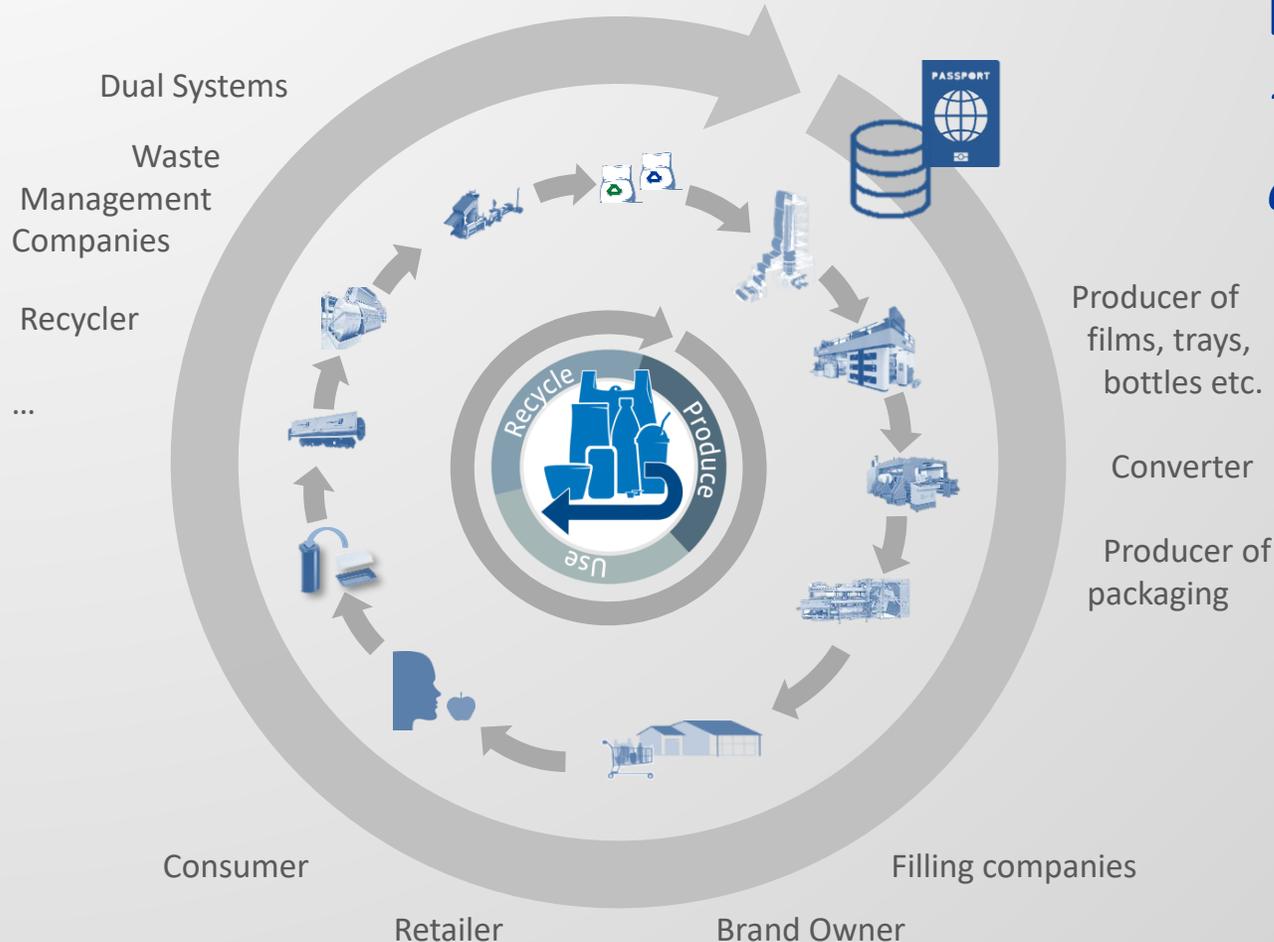
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Identification in the recycling process



- Technology-neutral: open for several marking technologies

R-Cycle makes data transparent across the entire value chain



Digital Product Passport

The digitalization of product information with open standards & protocols

- enables the communication of all stakeholders of the value chain and
- thus the design of transparent & sustainable value creation



The R-Cycle Consortium

Technology partners close the value chain



[...]

Technology providers along the **whole value chain** develop and provide the **open standard**

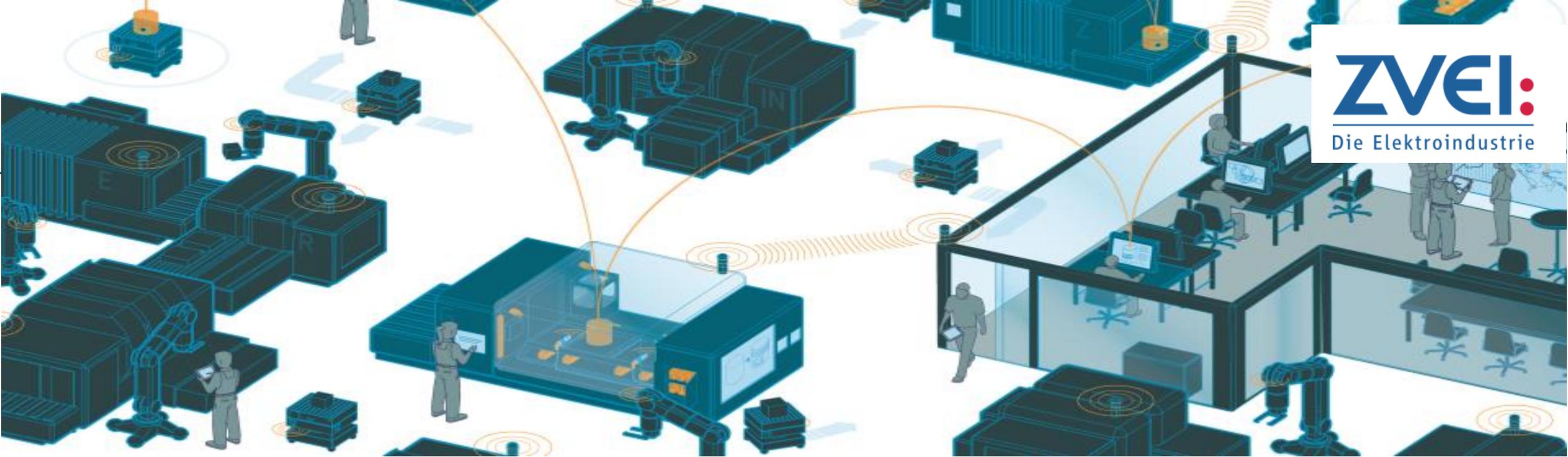


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Practical views on the proposed Digital Product Passport

Prof. Dr. Dieter Wegener, VP and Head of External Cooperation at Siemens Technology & Chairman of ZVEI Industrie 4.0 Management Circle



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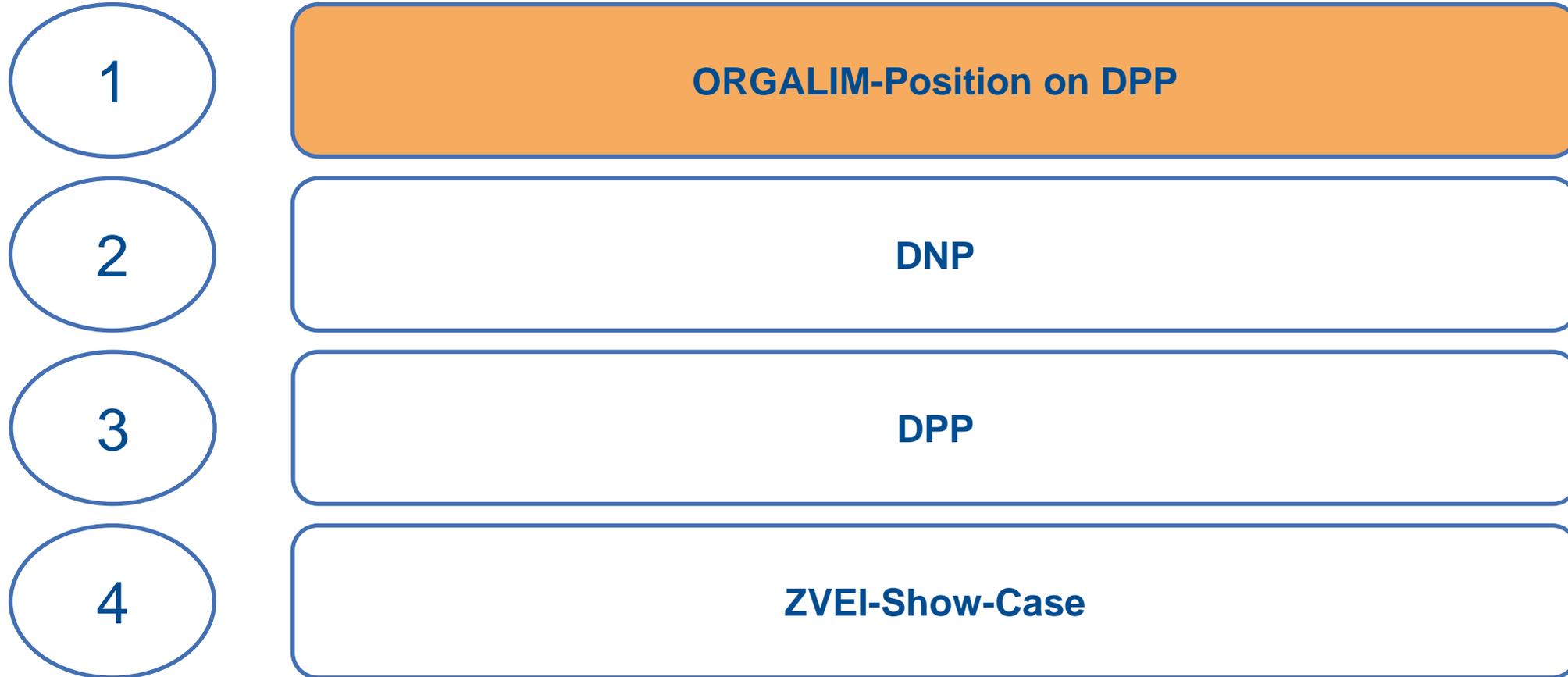
Prof. Dr. Dieter Wegener
Head of ZVEI Industry 4.0 Steering Committee
Head of External Cooperation, Siemens Technology

June, 29 2021

A young woman with long brown hair is shouting into a white megaphone. She has a determined and intense expression, with her mouth wide open and eyes squinted. In the background, another person is visible but out of focus.

Climate protection for the freedom of future generations

Overview



DPP = Digital Product Passport, DNP = Digital Nameplate

ZVEI supports the position of Orgalim on SPI and DPP

8

28-Jun-21

Orgalim views on the SPI and DPP

Our **general position on the proposed content of the DPP** is as follows noting that it will depend on the type of products that will be within the scope of the passport as well as on how these proposed requirements will be formulated in detail:

➤ We agree with the following proposals:

- List of legislation and standards that the product complies with, or the technical specifications that it fulfils
- Information on safe use and instructions, where applicable

➤ We are neutral on the following proposals

- Information relevant for testing, disassembly, maintenance, repair or reassembly
- Information on Product Environmental and/or carbon footprint, or other relevant sustainability characteristics
- Any possession of sustainability labels, such as the EU Ecolabel
- Information on how the product should be recycled and /or handled at the end of life

9

28-Jun-21

Orgalim views on the SPI and DPP

Our **general position on the proposed content of the DPP**:

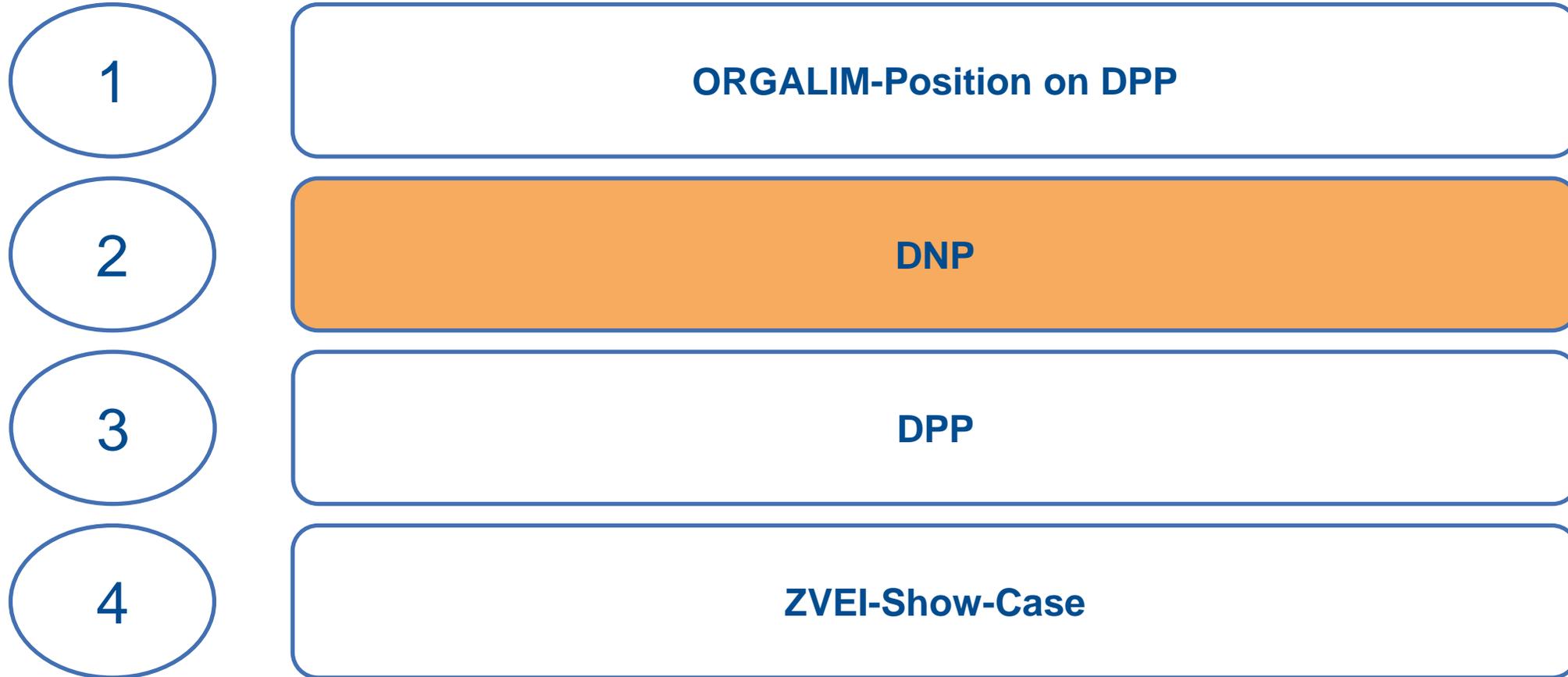
➤ We disagree with the following proposals:

- Economic actors at the origin of information
- Recycled content of each material present in the product
- Results of compliance tests against legislations, standards or technical specifications
- Expected lifespan of the product

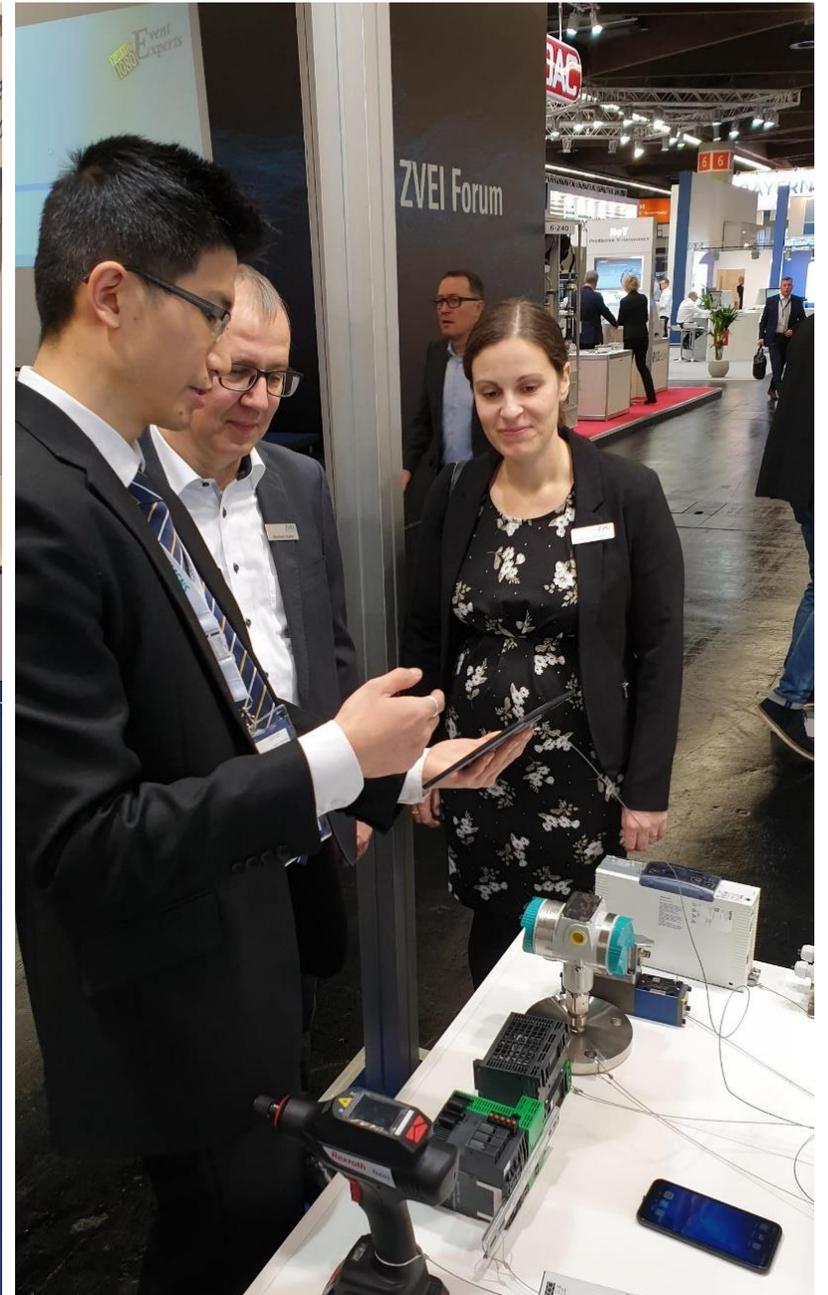
➤ We strongly disagree with the following proposals:

- List of materials and substances present in the product
- Quantities of materials and substances present in the product
- Presence in the product of hazardous chemicals, and if so, their location
- Information relevant to remanufacture and spare parts (e.g. CAD technical drawings, 3Dprinting files)
- Information on the origin of product components
- Information on material sources (e.g. conflict-free materials, responsible mining etc.)

Overview



DPP = Digital Product Passport, DNP = Digital Nameplate

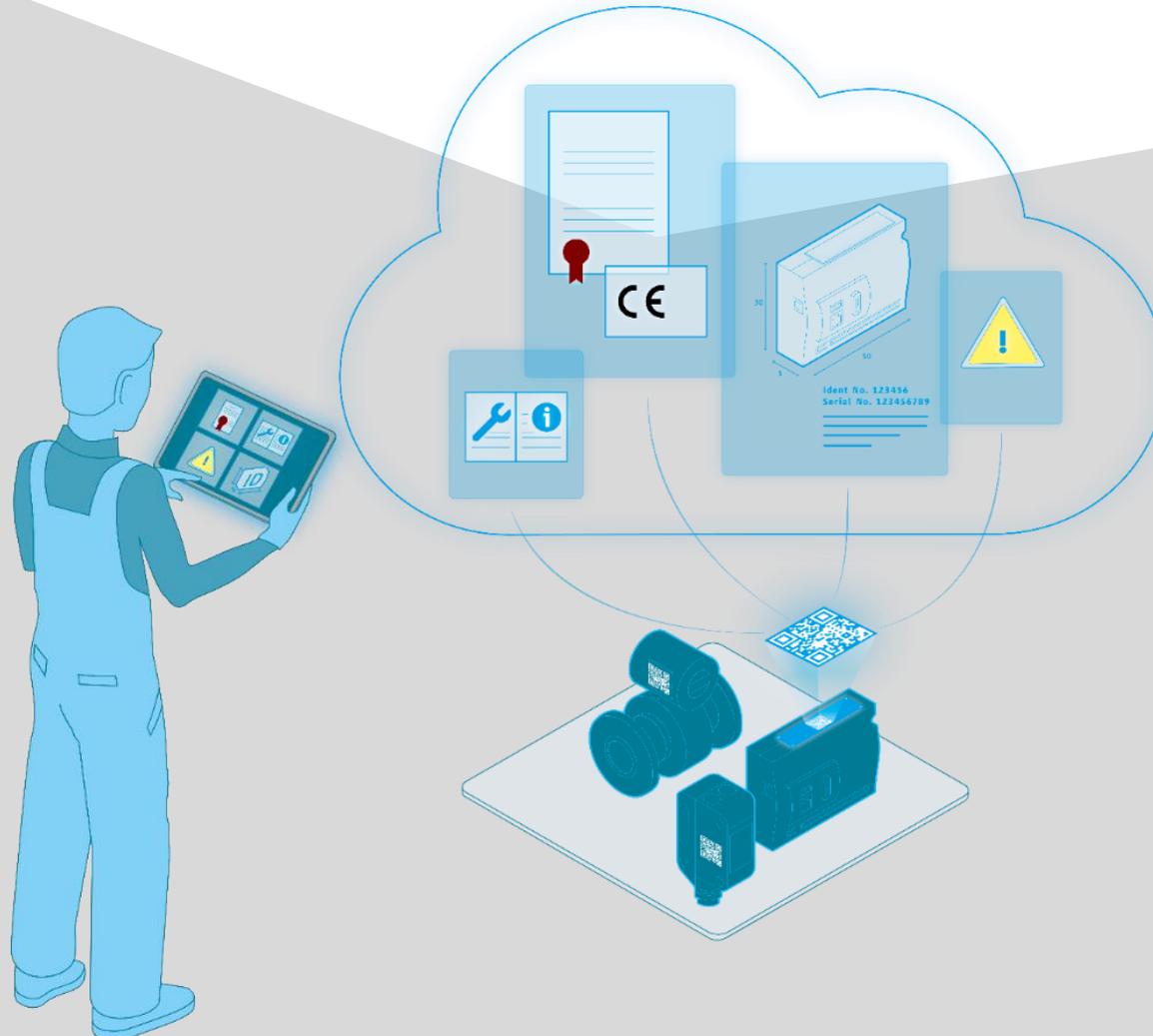


Partners of the project „Digital Nameplate 4.0“



The Digital Nameplate 4.0

consistent.sustainable.future-proved.connected



Saving time and costs

- Access to product documentation online
- No costs for paper and logistics



One valid standard

- Across companies
- via DIN SPEC 91406
- > IEC TS 61406 ("Identification Link")



Global Access

- Documents in all languages
- Locale Certificates (CE, CCC, ...)



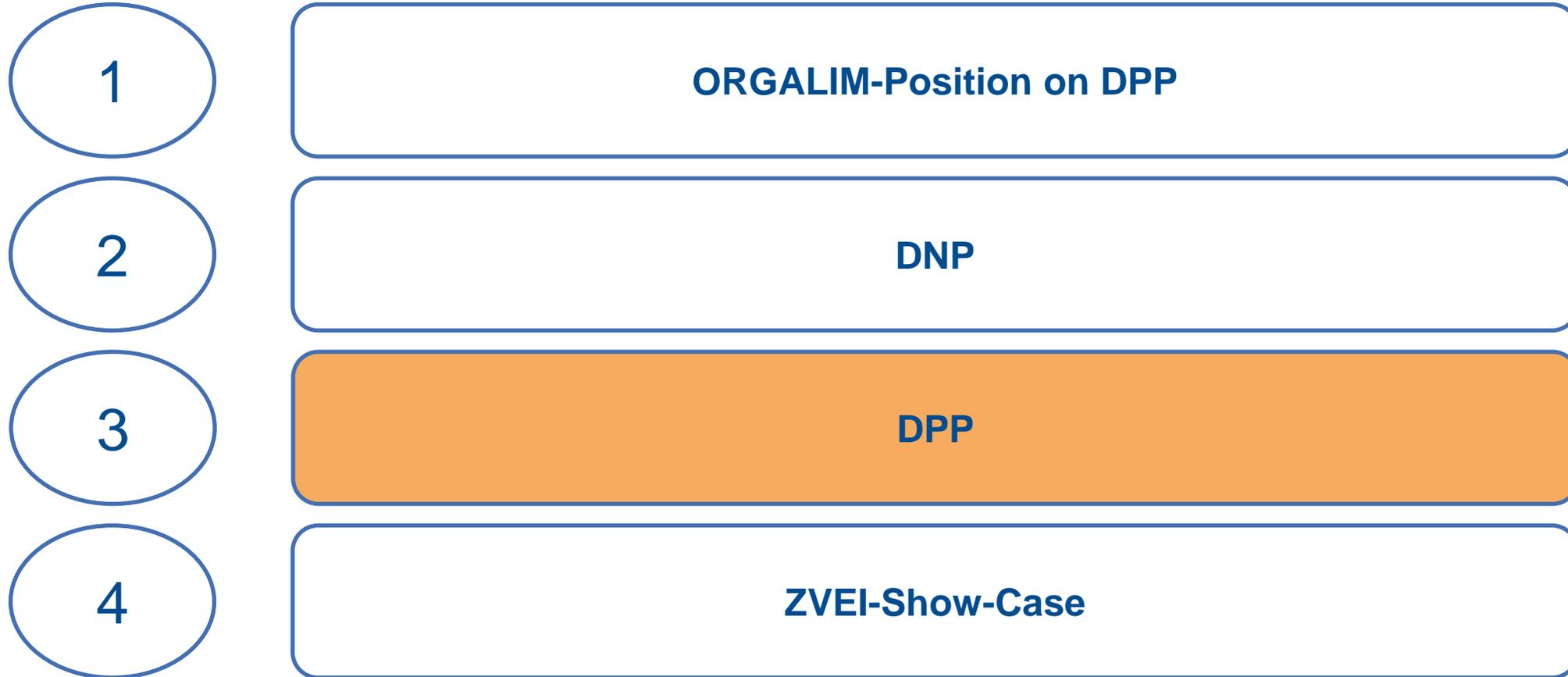
Sustainability

- Saving resources
- No paper documentation anymore

Successful publication in atp magazine

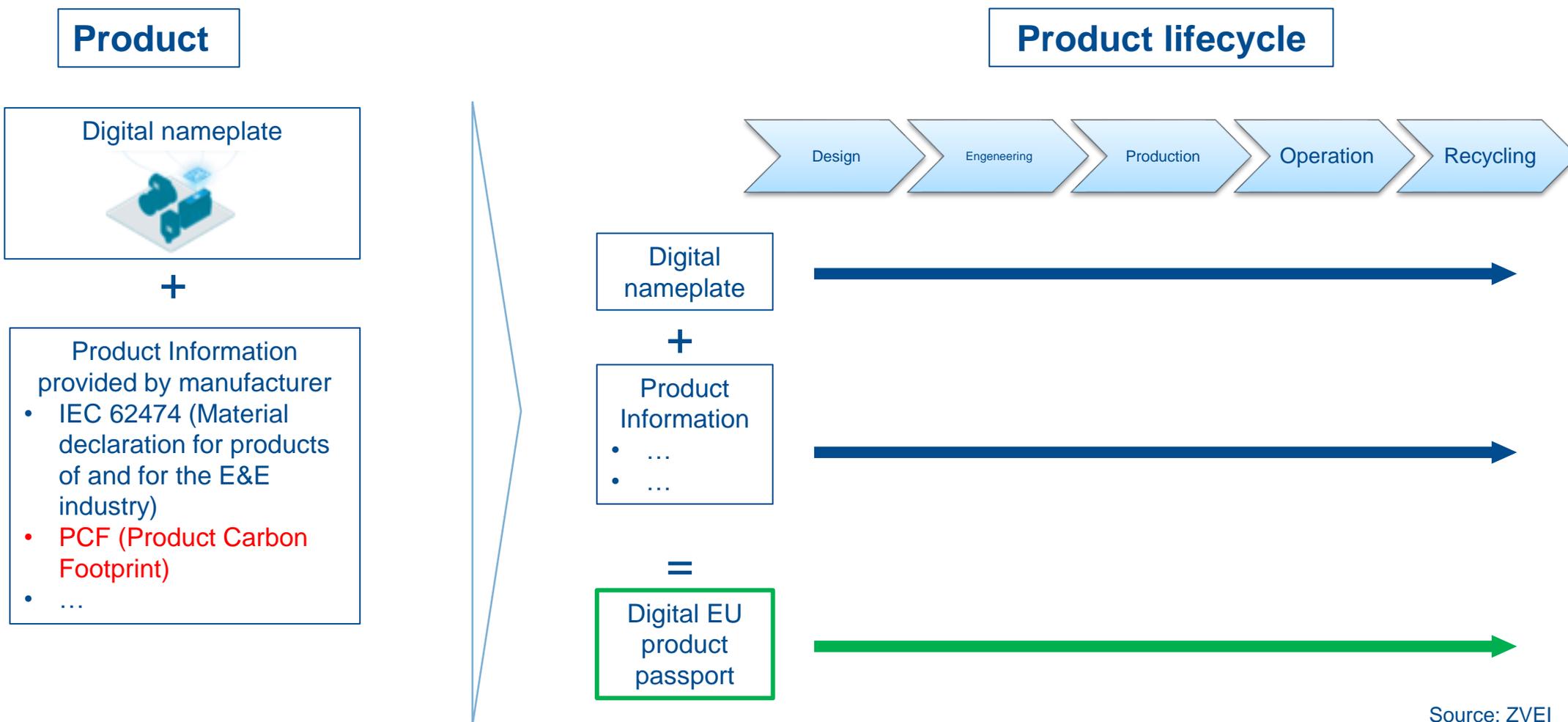


Overview



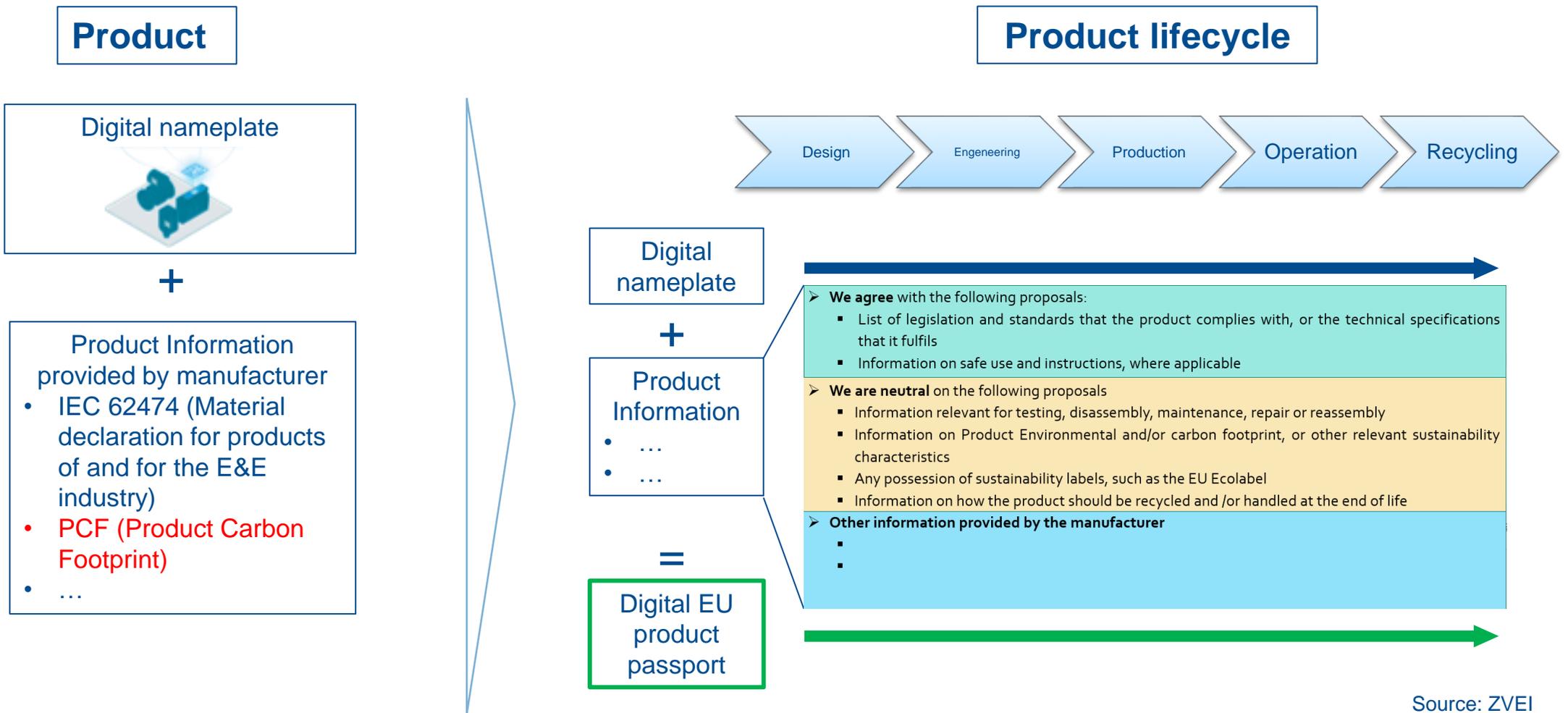
DPP = Digital Product Passport, DNP = Digital Nameplate

„Digital EU Product Passport“ is the combination of „Digital nameplate“ and „Product information“ provided by the manufacturer



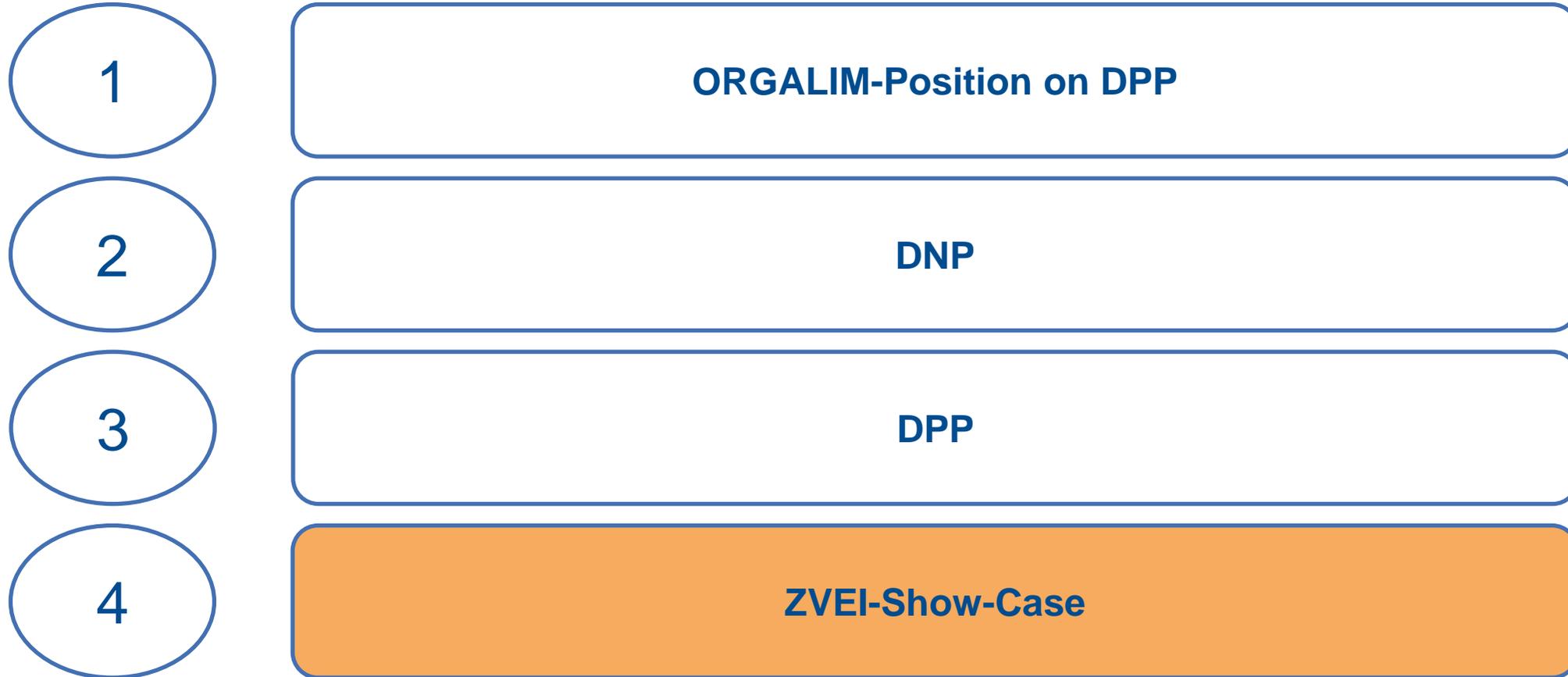
Source: ZVEI

„Digital EU Product Passport“ is the combination of „Digital nameplate“ and „Product information“ provided by the manufacturer



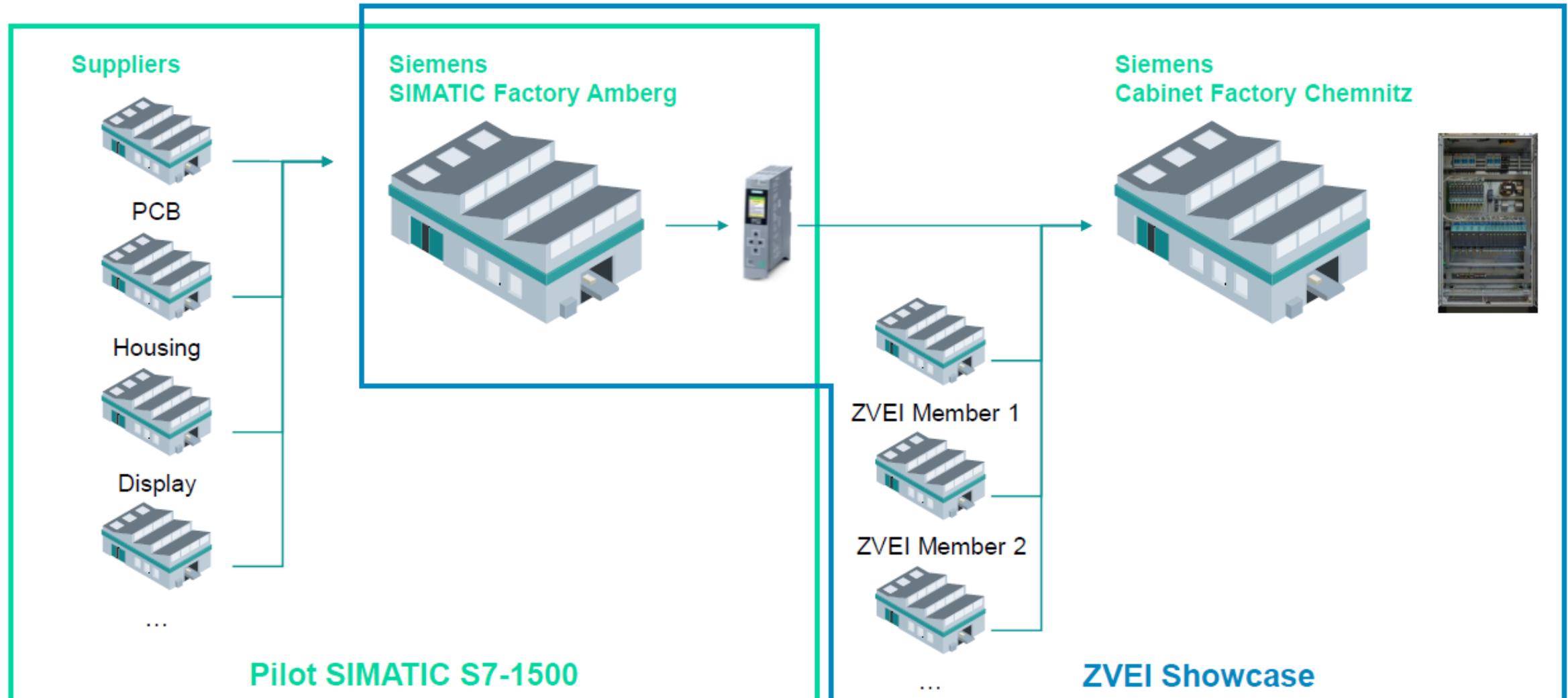
Source: ZVEI

Overview

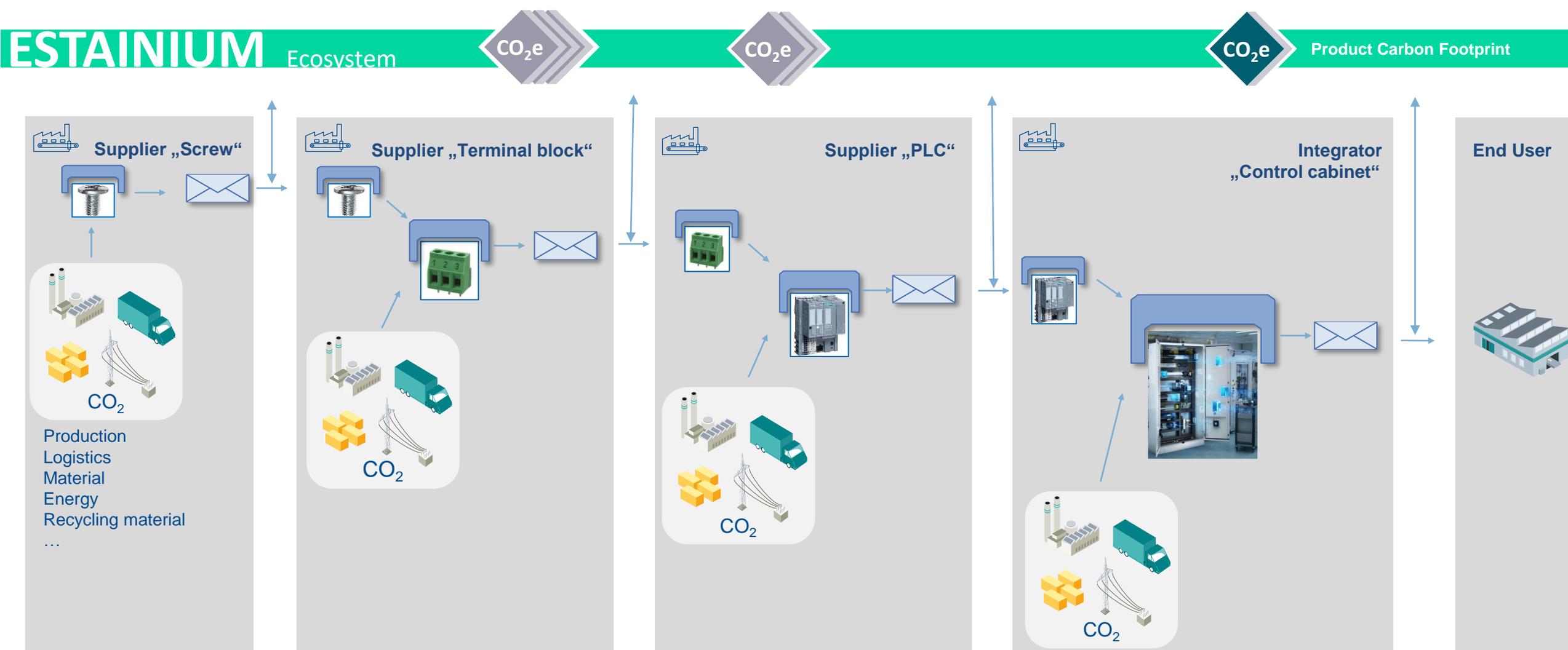


DPP = Digital Product Passport, DNP = Digital Nameplate

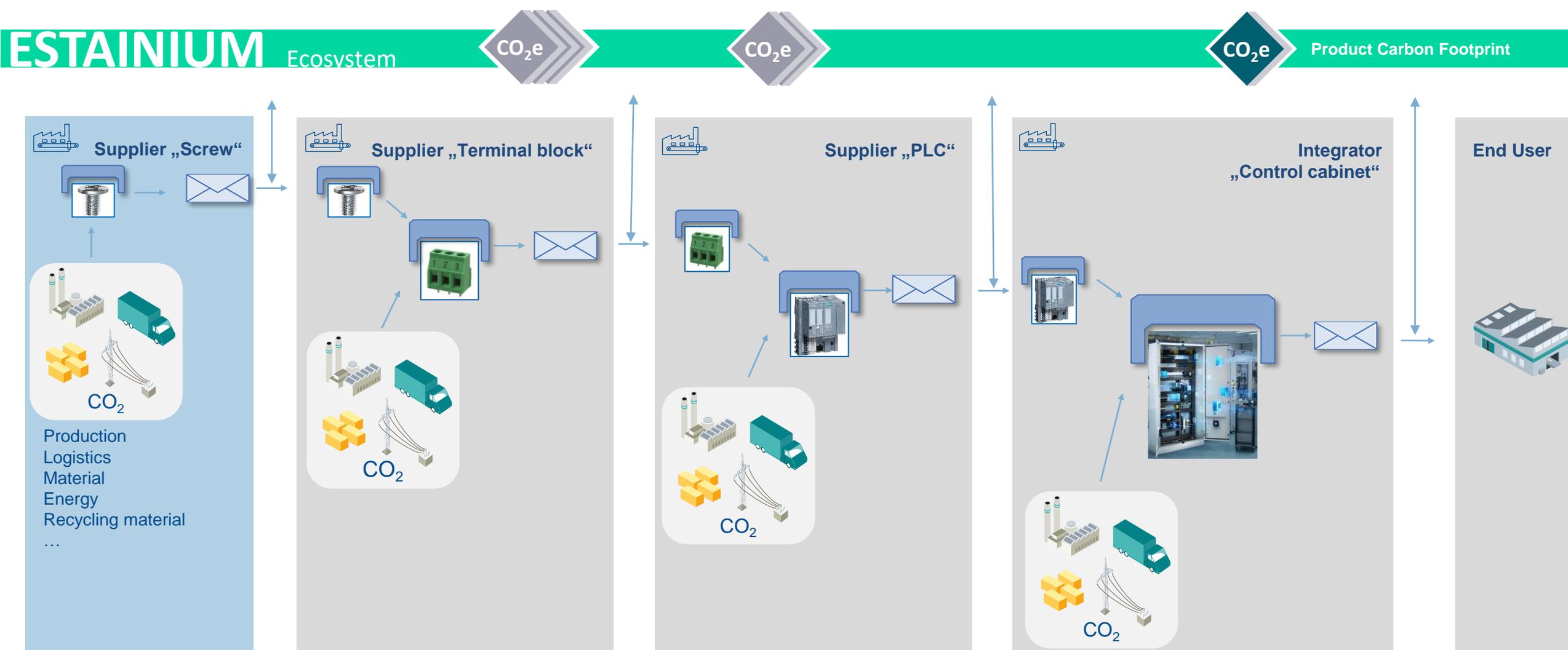
ZVEI-Show-Case „Carbon Footprint of Control Cabinet“ covers a simple supply chain including OEM, 1st tier und 2nd tier suppliers



Showcase „Carbon Footprint of Control Cabinet“ Product Carbon Footprint, Supply Chain



Showcase „Carbon Footprint of Control Cabinet“ Product Carbon Footprint, Supply Chain



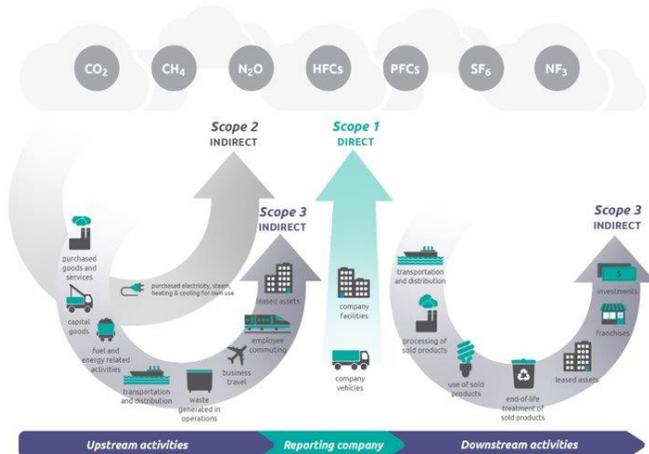
Showcase „Carbon Footprint of Control Cabinet“ Product Carbon Food Print, Supply Chain



Greenhouse gas emissions
Total Carbon Footprint =

Scope 1
+ Scope 2
+ Scope 3

direkte emissions factory
energy purchasing
supply chain



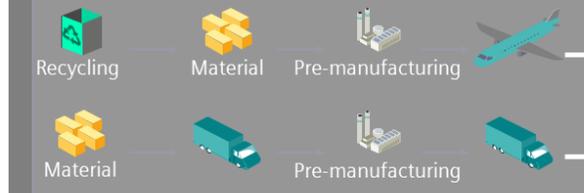
Source: GHG protocol guideline for corporate accounting

Product Emissions based on manufacturing processes

>90%* intransparent

<10%* transparent

Supply Chain (Scope 3 upstream)



Direct Emissions (Scope 1)



Energy (Scope 2)



Emission estimates based on default datasets (Scope 3 upstream)



Emission calculated based on primary data (Scope 1 & 2)

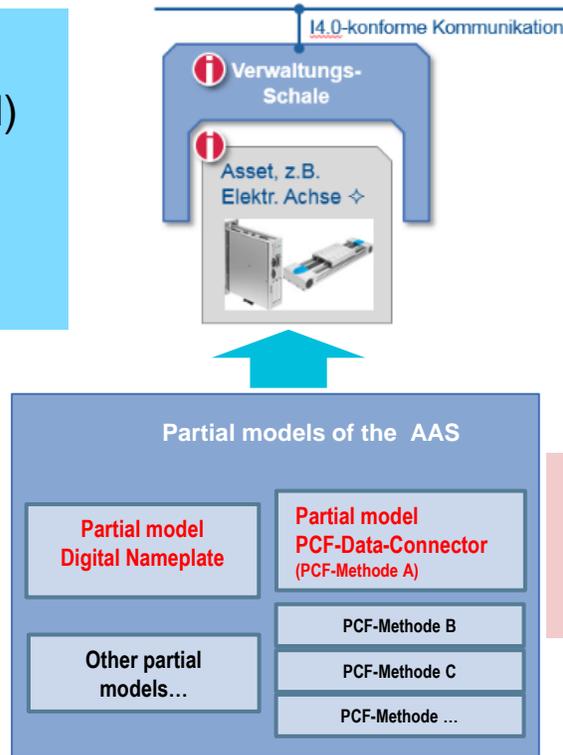


In the ZVEI Showcase “Carbon Footprint of Control Cabinet” several PCF calculation methods are accepted

PCF calculation methode:

- manufacturer A (ESTAINIUM)
- manufacturer B
- manufacturer C
- ...

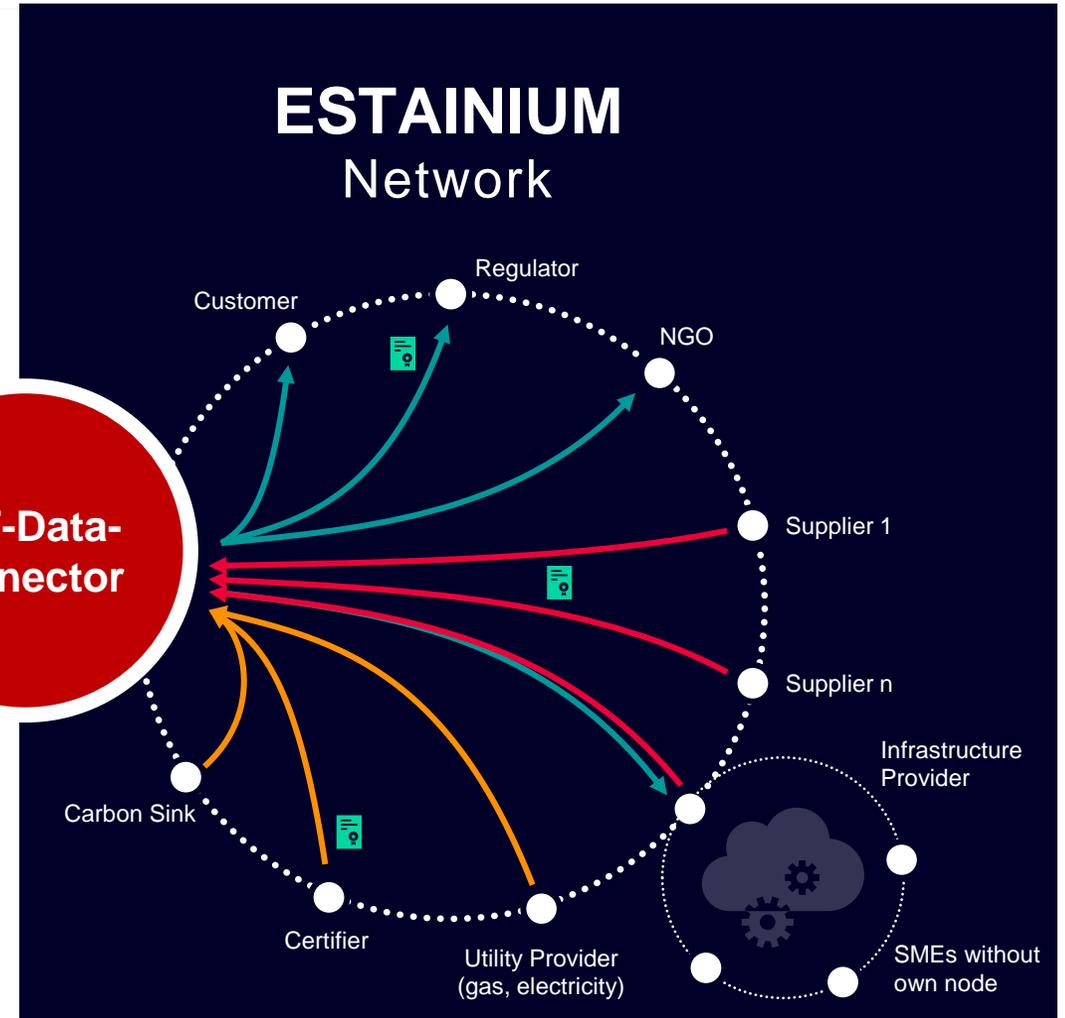
Workload
Work Item IV



Workload
Work Item II

AAS = Asset Administration Shell

PCF-Data-Connector



Siemens Technology – Contact and further information

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Ingenuity for life

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Orgalim Policy Exchange: The Sustainable Products Initiative and the EU Digital Product Passport, 29 June 2021

Q&A session

Moderated by Stéphanie Mittelham, Manager Energy and Environment, Orgalim – Europe's Technology Industries

Q&A session



Orgalim Policy Exchange

The Sustainable Products Initiative and EU Digital Products Passport



Dr. Benedikt Brenken
Director R-Cycle Initiative



Louise Bünemann
Vice-Chair Orgalim Environmental Sustainability Working Group; Senior Adviser at Danish Industries



Michele Galatola
Policy Officer, DG GROW, European Commission



Jesper Jerlang
Standardization Manager, Danfoss Drives A/S



Kati Palomaa
Manager Sustainability and Analytics, Konecranes Global Corporation



Prof. Dr. Dieter Wegener
Chairman of ZVEI Industrie 4.0 Management Circle



Paola Zanetti
Senior Expert – Legal Officer, DG GROW, European Commission



Orgalim Policy Exchange: The Sustainable Products Initiative and the EU Digital Product Passport, 29 June 2021

Wrap-up and next steps

Stéphanie Mittelham, Manager Energy and Environment, Orgalim
– Europe's Technology Industries

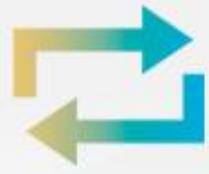
Next steps

- Orgalim experts are available to support the Commission representatives in DG GROW and in other DGs to develop the upcoming SPI legislative proposal and Digital Product Passport to make it work in practice
- Several meetings will be organised in the coming weeks - including with Mr Matjaž Malgaj who is the SPI coordinator in the European Commission and Head of Unit in DG ENVI - to promote and explain the Orgalim views on the SPI and DPP
- Orgalim will continue to raise awareness among its members about this important upcoming SPI legislative proposal and Digital Product Passport

Closing

- **Let us know what you think:** please fill in the survey at the end of this webinar
- The presentations from today's webinar, a news article and recording of this webinar will soon be posted on www.orgalim.eu
- **Subscribe to Orgalim newsletter** to stay informed: www.orgalim.eu/register

Thank you very much to all speakers!



Orgalim Policy Exchange

The Sustainable Products Initiative and EU Digital Products Passport



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Paola Zanetti
Senior Expert – Legal Officer, DG GROW, European Commission

Thank you very much also to all participants!



Thank you for your attendance and active participation

SHAPING A FUTURE THAT'S GOOD.

Thank you



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