



**standICT.eu 2026**

ICT Standardisation Observatory and Support Facility in Europe

Digital Product Passport  
„tie up the loose ends“  
challenges and next steps  
for standardisation community

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**DIN** **DKE**

# DPP - Origins/Motivation stakeholders, interests, requirements



## Origins/Motivation of the DPP idea

- Circular Economy
- R-strategies (re-use, re-cycling, re-manufacturing, re-pair)
- social aspects (forced labor, child labor, etc.)
- ecological aspects (PCF)
- animal welfare
- traceability
- Access to mandatory product information
- Proof of conformity
- Consumer information
- Operating instructions
- Usability /Maintenance
- Quality assurance (QI)
- New business models
- Identification / nameplate
- etc.

## Various Stakeholders

- Product manufacturers
- Integrators
- Users / Consumers
- Recyclers
- Market surveillance
- Third parties
- etc.

**Central building block  
of the Digital and Green  
Transformation**

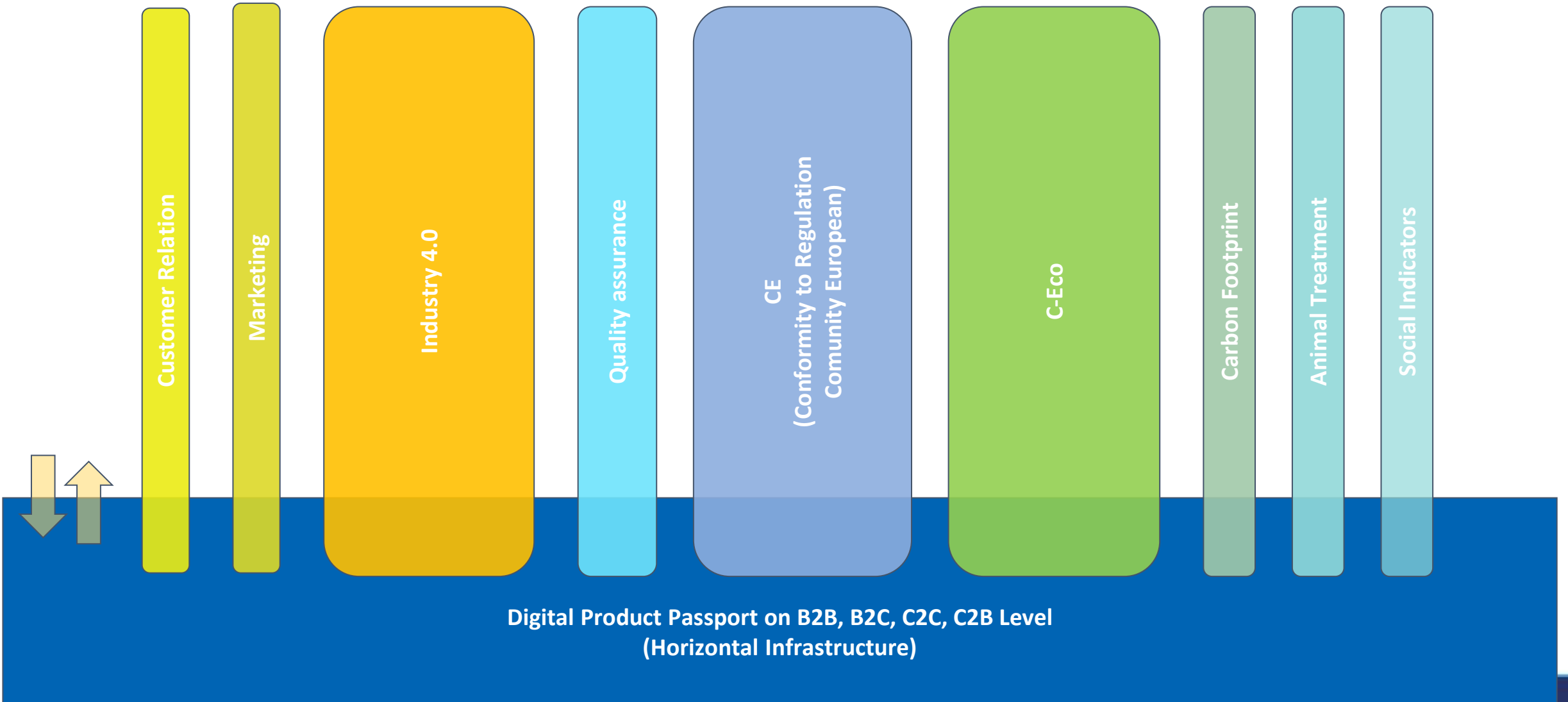


It makes sense not to think about the design of the DPP from one origin - it should be approached as universally as possible.



The interests of the stakeholders and the requirements derived from the various ideas for a digital product passport may not be compatible.

# DPP - System, Data-Structure & Governance horizontal Infrastructure for several issues



# DPP – existing building blocks and solutions



## Existing building blocks and solutions

A standardization search through Stand.ICT already addresses more than 170 standards (ISO, IEC, ISO/IEC). In particular, also on the areas mentioned by the EU so far:

- (1) Data carriers and unique identifiers
- (2) Access rights management
- (3) Interoperability (technical, semantic, organisation)
- (4) Data storage
- (5) Data processing (introduction, modification, update)
- (6) Data authentication, reliability, and integrity
- (7) Data security and privacy
- (8) Data structure

In addition, there are various activities that are directly related to the DPP: Digital Twin, Digital Nameplate/AAS, Product Circularity Data Sheet, Building Resource Passport, Digital Resume File, Digital Representation of Product Information, Plant Passport and many more.



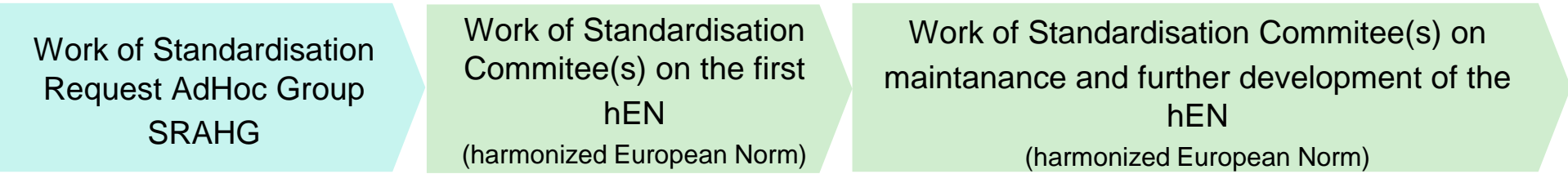
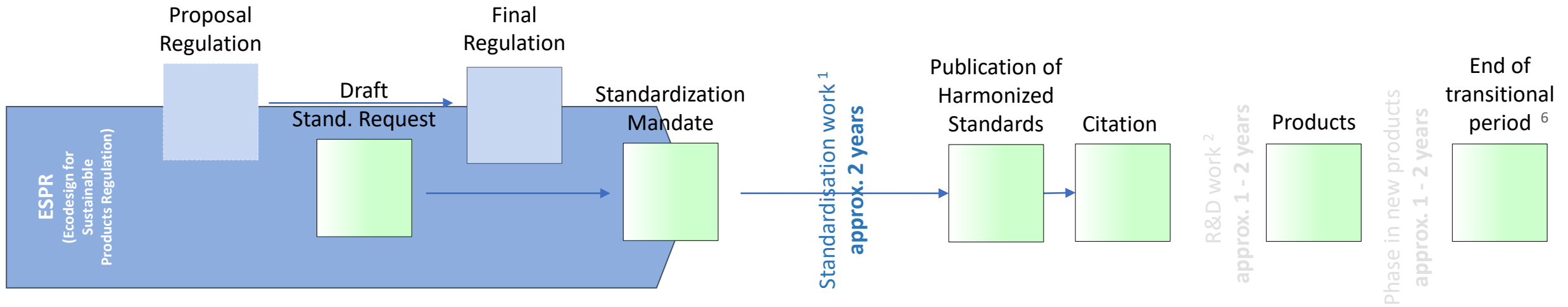
**Build on existing, prevent double standardization and create interoperability.**

There is a need for

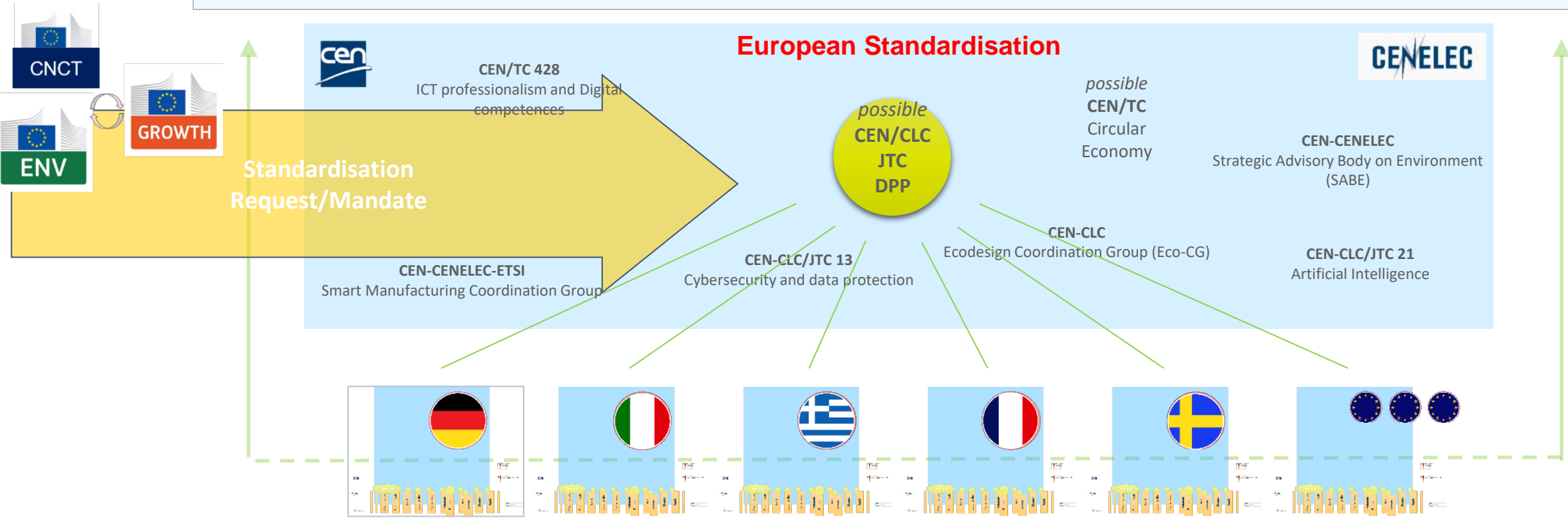


- a **holistic concept** for the DPP which takes into account the different requirements (different stakeholders, sectors and motivation)
- the **use of existing** and in application
- a meta-structure/framework that creates **interoperability of sector- and system-specific solutions/implementation**
- **international connectivity**
- a **long-term view**
  - openness to innovation
  - anticipation of upcoming complementary regulations
- and the **avoidance of fragmentation** (both on the level of policy and standardization)

# next steps towards a harmonized DPP-System



# CEN/CLC JTC DPP to answer the EU Stand. Mandate on DPP



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