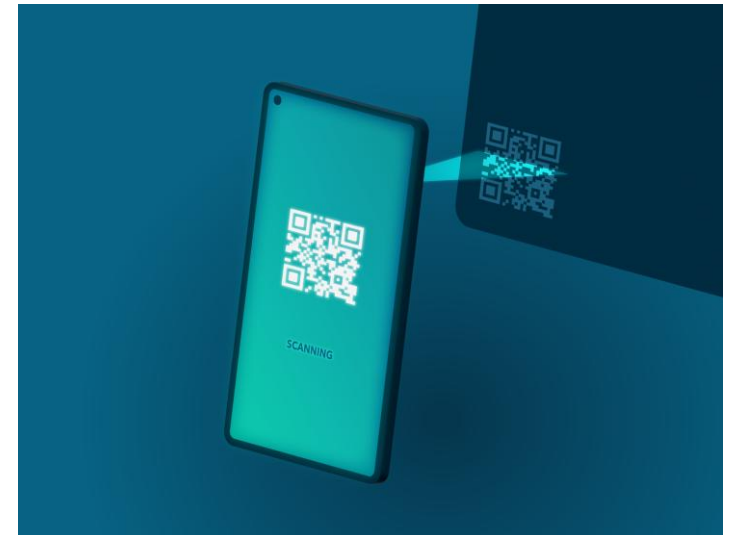


Global Digital Product Passport Consortium



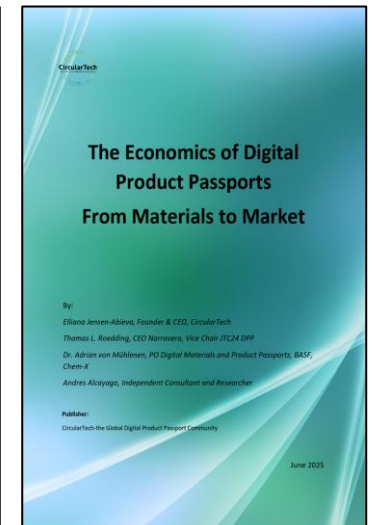
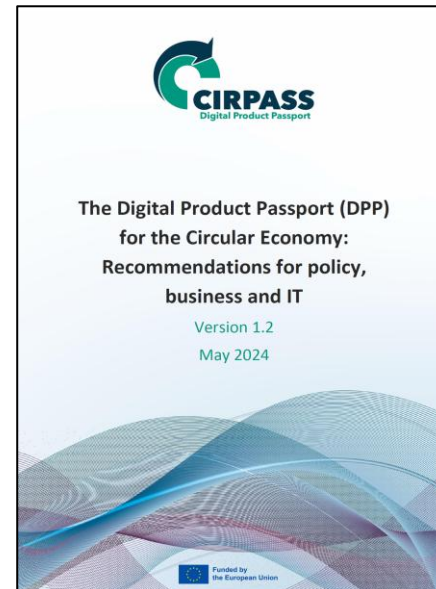
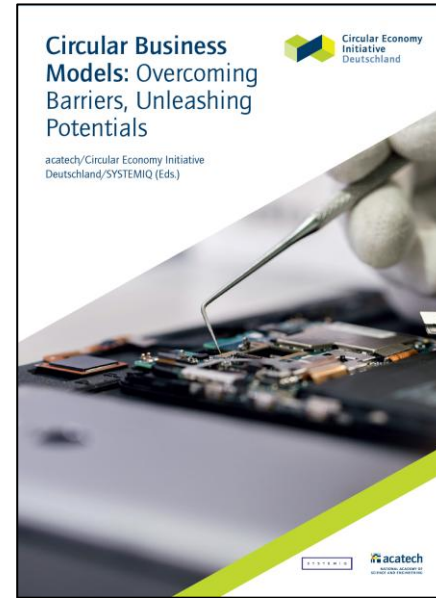
Eureka Pitch
Andres Alcayaga
09.07.2025



About me

International Project Experience

- CIRPASS - Lighthouse DPP Consortium (European Commission, GS1, CEA, DKE, TU Delft, etc)
- CEID - Circular Economy Initiative Deutschland (acatech/systemiq)
- Development of a Blueprint for a Global Framework for Digital Product Information Systems (UNEP)
- DualStrat “Strategic Management of the Twin Transition” (Fraunhofer IEM)
- Business Models for Extending Industry 4.0 towards the entire Product Life Cycle (Quality Austria)



Context

DPPs introduced by the EU in the
Ecodesign for Sustainable Products Regulation (ESPR)
Mandatory for specific product groups 2027+



A **Digital Product Passport (DPP)** is a digital record that contains detailed information about a product.

It serves as a digital identity for the product, enabling traceability and transparency throughout its value chain.

Information included in the DPP



Technical
performance



Environmental
sustainability
performance



Circularity
aspects











Legal
compliance



Product
related
information

Priority Products proposed by ESPR Work Programme

Products to be included in the work programme			
 Textiles/Apparel 2027*	 Furniture 2028*	 Tyres 2027*	 Mattresses 2029*
Intermediate products included		Products included under the transition rules	
 Iron & Steel 2026*	 Aluminium 2027*	 Energy-related products 2027*	 ICT products 2029*

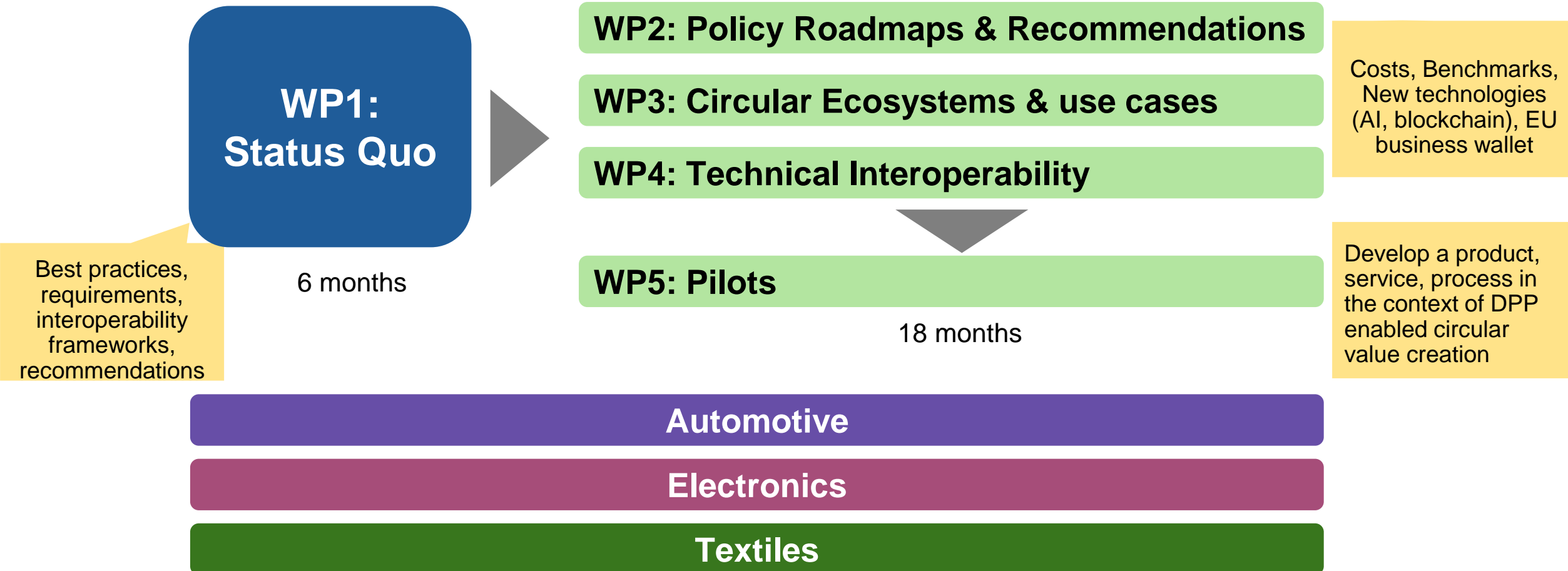
Project Overview: Goals

Goals:

- **Expand the reach** of current DPP initiatives to non-European countries (Canada, Chile, South Korea, Turkey)
- **Co-development of solutions** with European research partners, SMEs and large companies
- **Align** international initiatives
- **Transfer** of knowledge
- **Increase** of awareness about DPPs

Project duration: 24 months 01.03.2026-28.02.2028

Project Overview: Work Packages & Value Chains



Pilots Ecosystem

DPP Applications



Circula.Metrics®

!??

DPP service providers

Agents and knowledge brokers



!??

Platforms

Circular Economy Operators



DHL Supply Chain

!??

Repair, Reuse, Remanufacturing

Research Organisations



!??

Experience in DPP, AI, Blockchain, EU Business wallet

Circula.Metrics - Chile

What is Circula.Metrics®?

Circula.Metrics® is a digital tool that traces the history of products throughout their life cycle, to make sure their value chain's sustainability attributes, social and environmental practices are transparent, and embrace circularity from design.

Tested and validated in textile products, versatile and adaptable for any type of product.



Producto

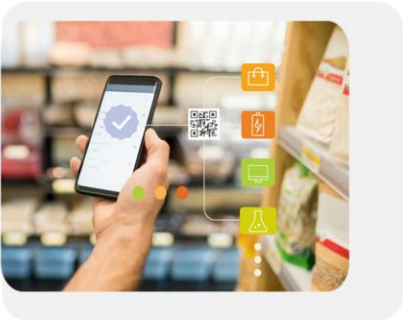
K4 Security - South Korea



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Mandatory submission of DPP in accordance with EU regulations (ESPR)

Products sold within the European Union Economic Area (EU/EEA) must present a Digital Product Passport (DPP) linked to verifiable supply chain data. Start your transition to a sustainable and transparent circular economy now!



Andres Alcayaga

DHL Supply Chain - Germany/Belgium

Go circular with Smart Service Logistics solutions

We simplify the complexities of the circular supply chain by offering a seamless turn-key solution. These solutions give you the efficiency, visibility and control you need to future-proof your business and remain competitive in the global market.

Introducing, The Service Logistics Smart Circle



The Smart Circle is a circular supply chain solution that extends the value of your products and reduces their environmental impact by employing a system of return, receipt, recovery and reuse

- Return** End customers access a self-service portal to arrange a product return
- Receive** Returned products are inspected and validated at the warehouse
- Recover** Returned products are handled by our technical services teams for repair, re-manufacture, recycling or scrapping
- Reuse** Product to reutilize is routed to warehouse inventory for reuse within the network or resold via marketplace

Thank you for your attention



 @andresalcayaga

