

Digital Product Passport (DPP)

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Ol4 – Digital Product Passport (DPP) Project

You can find initial project documentation here:
- teams channel industry WG's (general)
- teams channel technical WG's (general)



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Context

Ecodesign for Sustainable Products Regulation (ESPR)



Ecodesign for sustainable products (europa.eu)

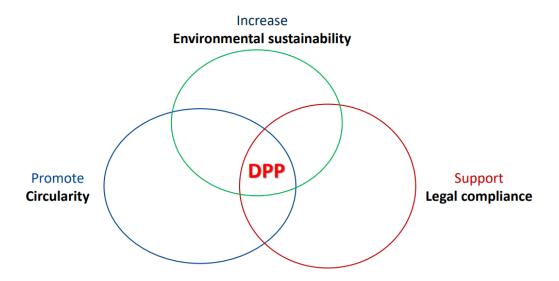
- "... The framework will allow for the setting of a wide range of requirements, including on:
- product durability, reusability, upgradability and reparability
- presence of substances that inhibit circularity
- energy and resource efficiency
- recycled content
- remanufacturing and recycling
- carbon and environmental footprints
- information requirements, including a Digital Product Passport ..."

"... The New Digital Product Passport will provide information about products' environmental sustainability. This information will be easily accessible by scanning a data carrier and it will include attributes such as the durability and reparability, the recycled content or the availability of spare parts of a product. It should help consumers and businesses make informed choices when purchasing products, facilitate repairs and recycling and improve transparency about products' life cycle impacts on the environment. The product passport should also help public authorities to better perform checks and controls. ..."

Motivation

To conduct an **OI4** DPP Project

The objectives of the European Ecodesign for Sustainable Products Regulation (ESPR):



The political context

- "The DPP is an important **deliverable** in the European Commission strategy to digitalize our economy (green & digital) ..."
- "The DPP-system shall build on existing best practices at international level, while also allowing the possibility of using new technologies ..."
- "The timeline is very tight and not extendable. By early 2027 the first DPPs (batteries for e-vehicles) shall be operational. Around the same time, also the first Delegated Acts on ESPR regulated products should become implementable ..."

Conclusion:

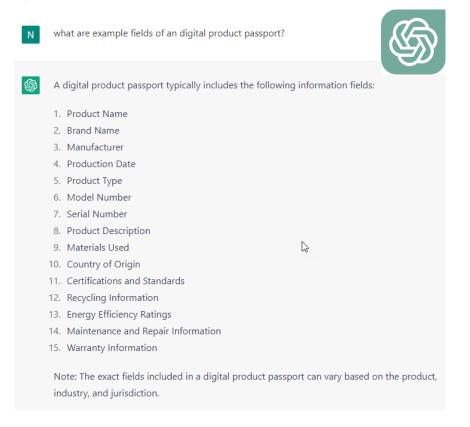
It is very likely, that many Ol4 members will have to fulfill DPP-requirements.

Although the exact details of the DPP and its ecosystem are not yet defined, a lot of **preparation** (analysis, concepts, action-plans ...) can be based on the already available information.

Let's do this exercise together – with the joint spirit and wisdom of Ol4!

There are already other projects/working groups dealing with the DPP

Why will an OI4 DPP Project add value for you?



Some talking points:

- (1) Which infrastructure is required to deliver a DPP?
- (2) How can I minimize the effort to fulfill the requirements – can I make use of bestpractices?
- (3) Can I **benefit** from introducing the DPP e.g., by identifying synergies, process optimizations, decision basis ...?
- (4) Daily **operations** e.g. how to deal with change management and lifecycle of DPP (content and spec. evolution)?

... any many more ...

In other words:

It is not about "competing" with other workgroups/organizations or something like a "we too" initiative!

Moreover our intention is to **focus on business processes in context of DDP and infrastructure topics** to fulfill EU-requirements.

→ Helping our members to "make a virtue of necessity" (DE: "aus der Not eine Tugend machen")

Project work packages (Time Estimation 14-18month)



Kick-off (after all members) Quarterly report Quarterly report today Quarterly report Forming Elaboration **Implementation** Learnings Ramp-up Setting up a dedicated OI4 Share basic Set baseline for Combine individual Hacka-Create Hacka-4h call. 2h call thon (2 thon (2 "DPP" project team. Find who is knowledge and technical approach results implementation (prep. By Days) interested. find common - elaborate checklist Days) indivi-Rüdiger understanding technical dually Fritz) Acc.. Define a project setup architecture prepared Measure efforts 4h call. 'aeneral Ideation how to (AAS...) indivi- Find required roles to represent Conduct a lessons assumpdeal with the In-person Validate & Test dually different viewpoints (e.g., learned tion' Workchallenge and gain Define detailed WBS → Operator, Supplier, Integrator) prepared benefit shop work packages for TBD unknown Implementation Commitment for timeline & Go public; present Company-individual Review process: individual invest / capacity to audience. trade fair scoping of Home- Assumption on Where are potential acquire feedback elaboration: What work system landscape presence wins to overcome a 4h call. unknown does DPP mean for (2-week >> sandbox DPP burden and indivipossible/ useful (?) your company period) gain some wins dually (According to roles) Acc... Implementation (e.g., data Elaborate (iterative) prepared 'general review by broader cleaning, in-house **General efforts** Assessment of assumpaudience architecture...) 2h call current data assumption: tion' every availability to two discover gaps >> Home-Acc.. weeks 2h call every two weeks Where to find data: Publish reuse work 'general patterns where is it created (per person) (2-week assumpand maintained in Individual period) tion' the context of your elaboratodav's business tion Individual elaboration process ■ Documentation 014-014-014-014-■ Documentation ■ Documentation 🖹 ■ Documentation 🖹 support support support support Sept. Oct. Nov. Dez. Jan. Feb. Mar. Apr. May. June July. Aug. Sept Oct. Nov. Dez. **TODAY All-**

Members

Kick-off SPS '23

How it will start

today Kick-off (after all members)

Forming

Ramp-up

2h call

(prep. By

Rüdiger

Fritz)

Elaboration

Implementation

Learnings

 Share basic knowledge and find common understanding

 Ideation how to deal with the challenge and gair benefit

- Company-individual scoping of elaboration: What does DPP mean for your company (According to roles)
- Assessment of current data availability to discover gaps >> Where to find data where is it created and maintained in the context of your today's business process

SAVE THE D

17th of October from 10-12.00am

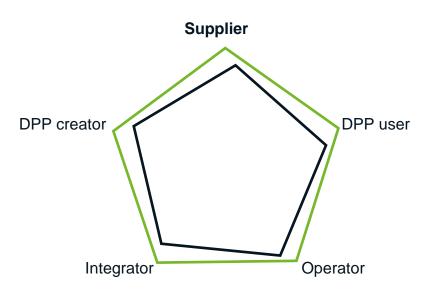
- Please join this call...
 - ... if you are **committed to participate** the project
 - or if you **need more information** for your final decision
- Goals of the call...



- 1) Present known status quo of DPP and find common understanding
- 2) First exchange of ideas and perspectives
- 3) Agree on mode of work and meeting schedule

Apply now.

- Project kickoff: 17th of October from 10-12.00am
- To conduct the project, we need your commitment



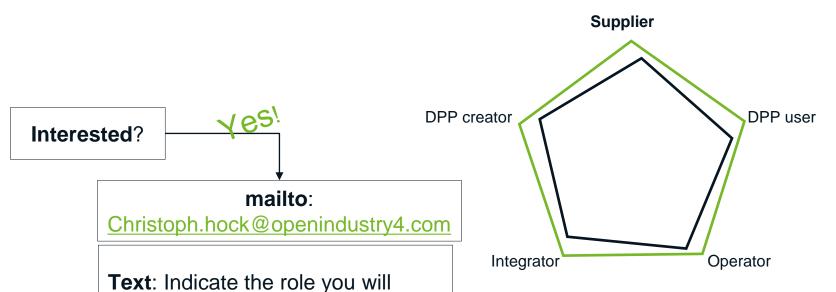


Minimum requirement to conduct the project

- 6-8 permanent contributors & 4 associates
- Ideally a double staffing of roles & min of 3 suppliers to
 ensure multiple views = Ol4 value add

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contribute (Consumer, provider...)







Who's in? ... some have indicated participation interest...

DPP Consumer / Purchase









DPP Provider / Sell





Enabler / Integrator













Thank you!