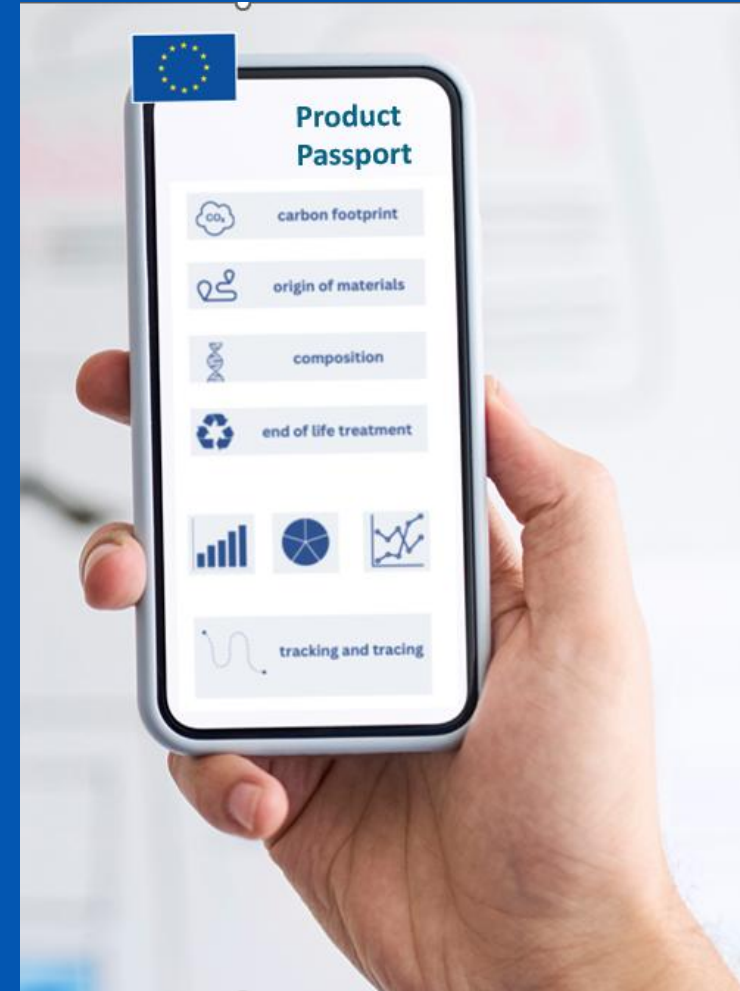# Digital Product Passport (DPP)

Alexandru Ion - Digital Product Passport Team Leader

DG GROW G4 - Data and Knowledge for Policy, Business and People

Digital Product Passport

Ecodesign Regulation - general

The Ecodesign for Sustainable Products Regulation (ESPR)
- in force since 18 July 2024
- enables the setting of 'eco design requirements' – for almost all categories of physical goods (with some exceptions, such as food and feed)
- sustainability and eco-design aspects
- strong focus on product information: DPP and information requirements

European Commission

Digital Product Passport

Ecodesign Regulation - DPP

- DPP is a digital identity card for products, components and materials.
- stores information such as products' technical performance, repairing information, recycling capabilities and lifecycle environmental impacts.
- main aspects:
  - be user friendly: access should be free and easy
  - the data shall be accurate, complete and up to date
  - differentiated access to the data, depending on the type of data and the type of stakeholder
  - any kind of information can be stored in the DPP, not only the obligatory data
  - DPP should be available for the lifetime of the product
- First product category for which the DPP becomes mandatory in February 2027: certain big batteries in February 2027.

European Commission

Digital Product Passport

How? and What?

DPP-system

*(the "**HOW**". To be developed horizontally for all product groups and legislations)*

Digital Product Passport
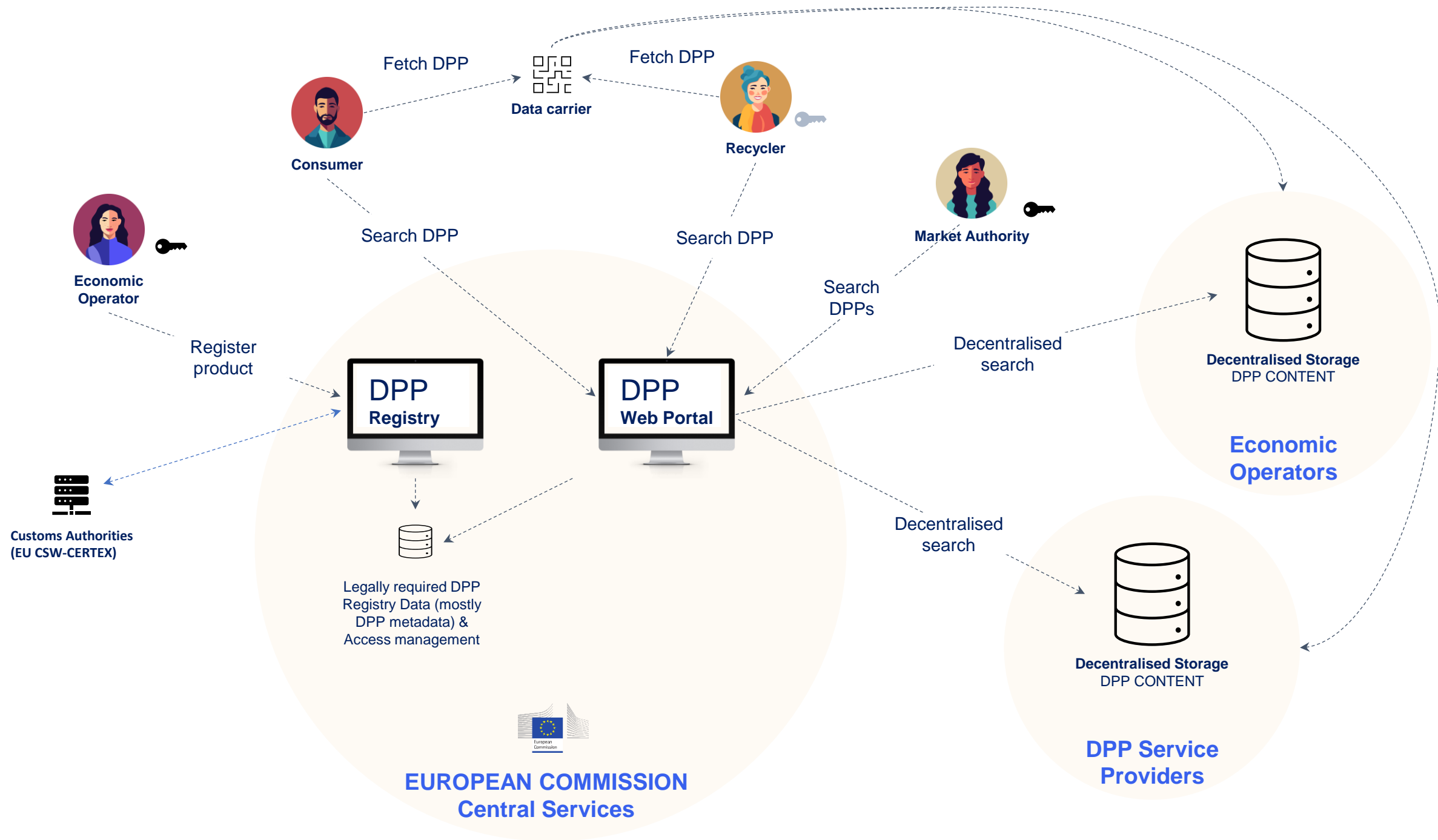
DPP-data

*(the "**WHAT**". To be developed through **product-group specific** <u>dedicated legislation</u>)*

- **The DPP registry**
- **The DPP web portal**
- **All standards and protocols related to IT architecture:**
  1. Unique identifiers
  2. Data carriers and links between physical product and digital representation
  3. Access rights management, information security, and business confidentiality
  4. Interoperability (technical, semantic, organisation)
  5. Data processing , data exchange protocols, and data formats
  6. Data storage, archiving, and data persistence
  7. Data authentication, reliability, integrity
  8. APIs for the DPP lifecycle management and searchability

Information to be included in the DPP will be **product-group specific** and identified in delegated act process.
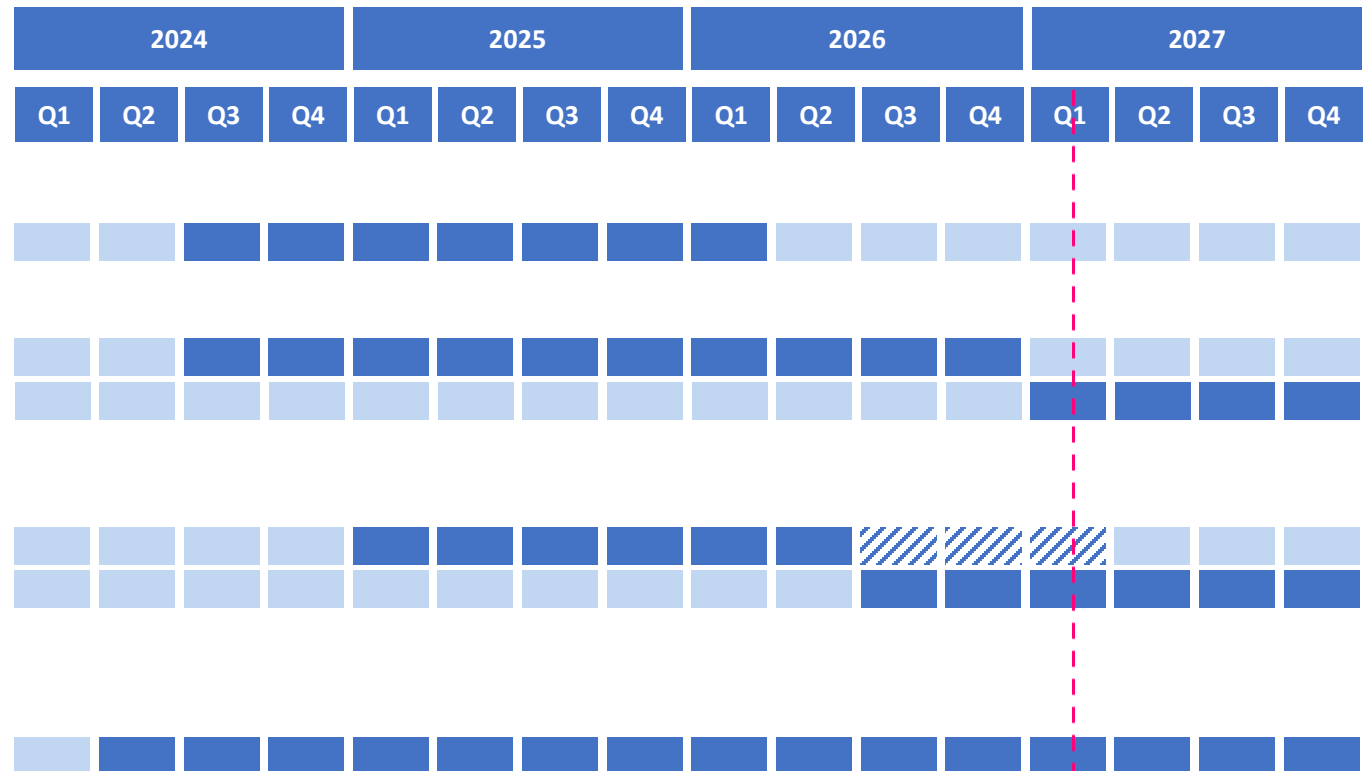
It may include information/data on one or more of the following areas:

- Technical performance
- Environmental sustainability performance
- Circularity aspects (durability, repairability, etc)
- Legal compliance
- Product-related information (e.g., manuals, other labels)

European Commission

Fetch DPP

Fetch DPP

Data carrier

Consumer

Recycler

Market Authority

Economic Operator

Search DPP

Search DPP

Search DPPs

Register product

DPP Registry

DPP Web Portal

Decentralised search

Decentralised Storage DPP CONTENT

Economic Operators

Customs Authorities (EU CSW-CERTEX)

Legally required DPP Registry Data (mostly DPP metadata) & Access management

Decentralised search

Decentralised Storage DPP CONTENT

DPP Service Providers

EUROPEAN COMMISSION Central Services

Digital Product Passport

Roadmap

	2024				2025				2026				2027			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4

DPP STANDARDISATION MILESTONES (CEN-CENELEC)

Development and adoption CEN-CENELEC Standards

LEGAL MILESTONES

DPP system secondary legislation

Product-specific rules

DPP DIGITAL IMPLEMENTATION MILESTONES

DPP Registry

Web portal

STAKEHOLDERS ENGAGEMENT AND COMMUNICATION

Engage stakeholders

Registry established & testing activities with industry

European Commission

Thank you

Contact: GROW-DIGITAL-PRODUCT-PASSPORT@ec.europa.eu
Ecodesign for sustainable products Regulation (ESPR)
ESPR information website
Online information session on ESPR