

thebatterypass.eu



Supporting interoperable solutions via standards

The DPP system framework

Brussels

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Patrick Gering



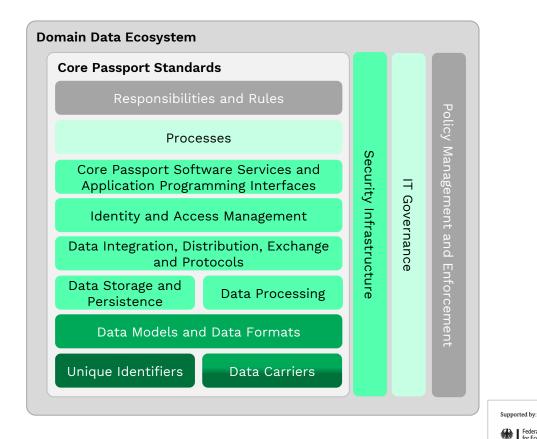
With missing regulatory details, the Battery Pass developed a "Standard Stack", the technical backbone to operate the passport and perform required systems management

Interoperability is the biggest challenge

"... interoperability is the ability of organisations to interact towards mutually beneficial goals, involving the sharing of information and knowledge between these organisations, through the business processes they support, by means of the exchange of data between their ICT systems"

→ Capability on several levels

The Battery Pass Technical Standard Stack



Federal Ministry for Economic Affairs and Climate Action

on the basis of a decision

by the German Bundestag





A top-down approach was followed to identify an initial longlist of standards for each element of the Technical Standard Stack

Standards origin & hierarchy Select examples Global standards CENELEC **European standards** DIN DKE German standards Standard setters **Associations** Catena-X aaia-x

Evaluation criteria

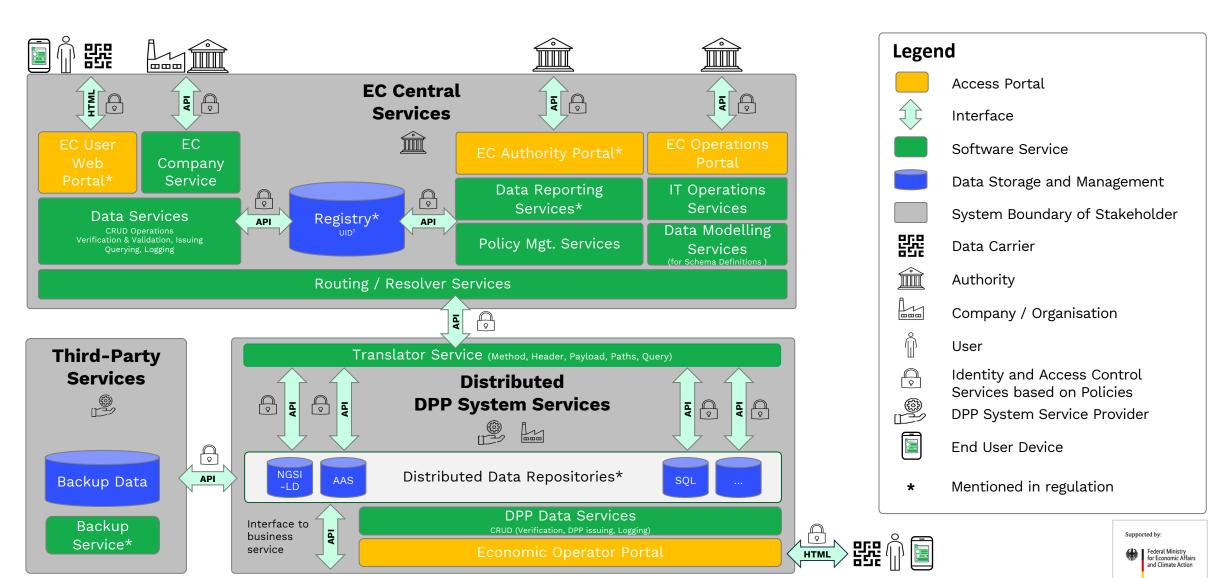
- Cross sector suitability
- Open, non-proprietary and independent of specific technical implementation
- Co-existence of standards
- Consideration of requirements of all stakeholders



- → existing mature international standards
- → new and innovative approaches



A variety of building blocks beyond the regulation are needed for an operational system



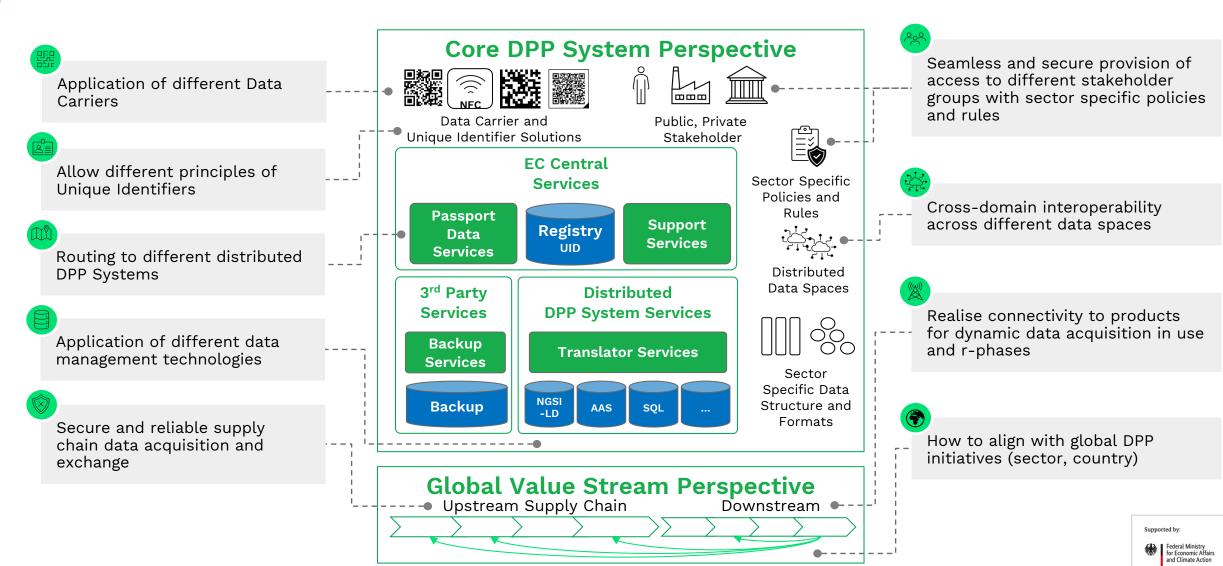




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A variety of interoperability challenges need to be solved



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Thank you for the attention!



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