

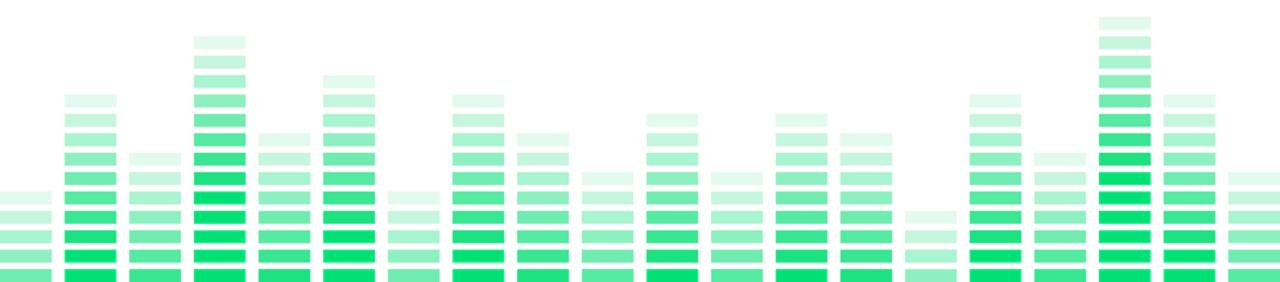
Closing Event

25 February 2025, Brussels



From Concept to Blueprint:

Battery Passports as Enablers of Transparent, Competitive, and Circular Value Chains.





Battery Pass

Content Guidance of Battery
Passports: Practical Tools for
Implementation and Lessons
Learned



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The battery passport will be the pioneer of digital product passports to be launched in the European Union

The Digital Battery Passport

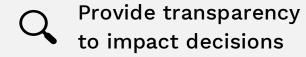
Article 77 of the Battery
Regulation mandates for
batteries an "electronic record
(battery passport)" from 18
February 2027.

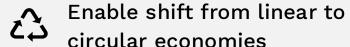


DPPs in the ESPR

The Eco-design for
Sustainable Products
Regulation (ESPR) includes the requirement that "products can only be placed on the market or put into service if a digital product passport is available".

Objectives of DPPs

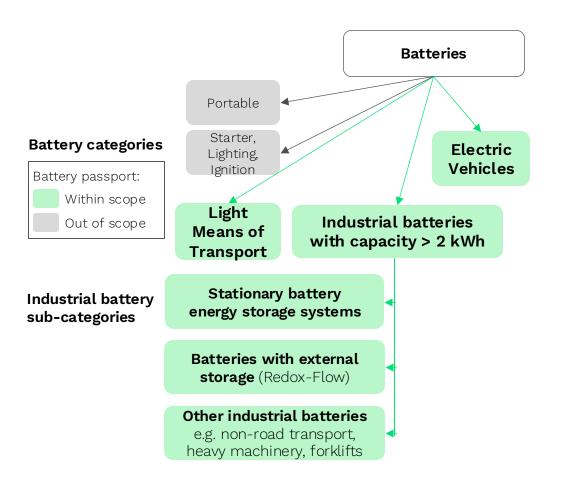




Sustainable and responsible supply chains



The battery passport scope includes various applications with impact on data requirements



Responsibility



The **economic operator** (or an authorized representative) is responsible for the BP when **placing the battery on the market**

Access groups



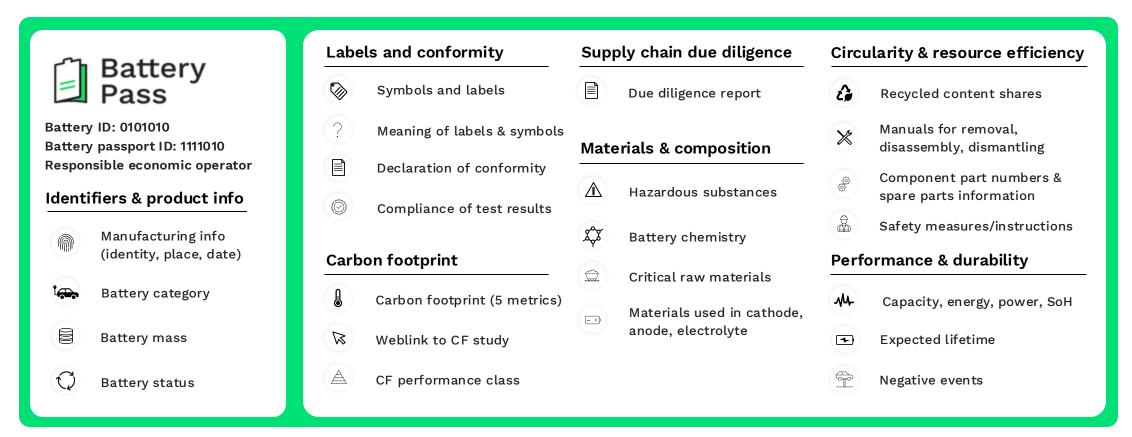
- The "general public"
- 2) "Notified bodies, market surveillance authorities and the Commission"
- 3) "Any <u>natural or legal person with a</u> <u>legitimate interest</u> in accessing and processing that information"

Key insights: One size does not fit all!

- Choice of product (sub)categories, and their characteristics crucially affect technical framework
- Application-specific definitions & measurements needed

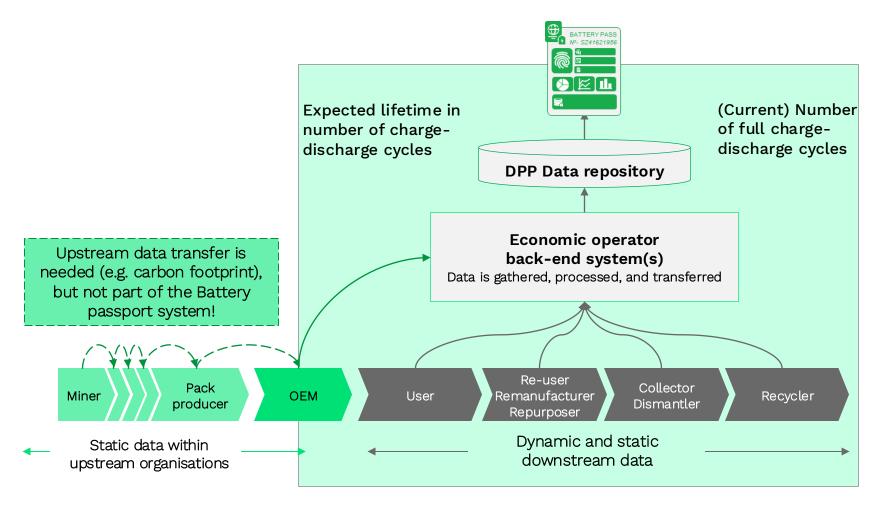
The data in the battery passport is clustered into seven categories that can be a blueprint for other DPP

Data categories for the battery passport (select data attributes shown below, not exhaustive, overall: ~90 data attributes)





Data transfer in value chain before and in the battery passport and crucial definitions: example performance & durability



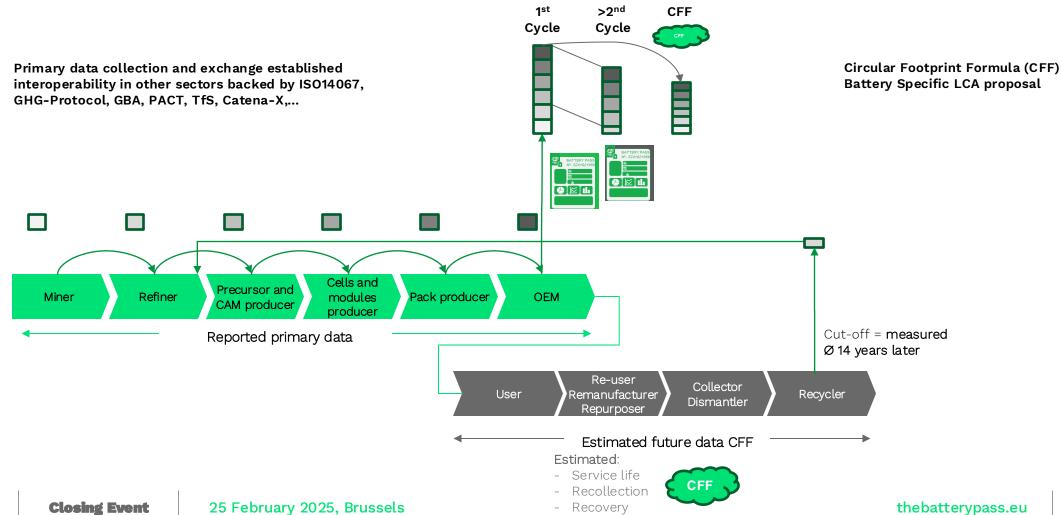
Performance & durability data

- what does up-to-date mean for dynamic data?
- Some definitions remain unclarified (e.g. accidents)
- Measurement methods to be determined

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Carbon Accounting for Batteries must be defined interoperable across sectors using established methodologies

GHG reporting shall base on trusted data. CFF not fit for purpose.



The DIN DKE Spec 99100 paves the way to a Public Available Standard

The DIN DKE Spec Process

- Extended original project scope Jan-Dec 2024
- Complementing existing standardisation activities (M/579, JTC 24)
- Paves way to broad acceptance of BP content

















Content/Publications:

- DIN DKE Spec 99100 provides data attribute definitions as update of the Battery Pass content guidance
- Data attribute longlist updated to v1.2 including change log
- Data attributes definitions shaped by latest developments and discussions





for Economic Affairs and Climate Action

on the basis of a decision

DIN DKE Spec facilitates implementation by companies and use of project results in standardisation







February 2027 is near: Act now!

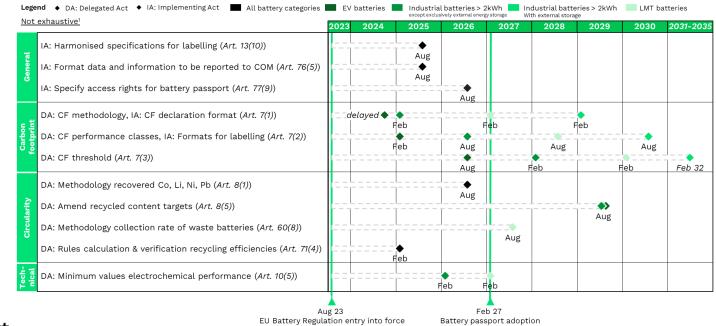
There is a lot left to be done, let's act now:

Economic operators: start now to prepare!

- Check readiness for internal and external data acquisition
- Follow updates from secondary legislation and standardization
- Assess what's in for you: Business models beyond regulatory effort

Regulators:

- Please clarify open requirements asap
- Consider lessons learned from the battery passport for other DPPs
- Ensure interoperability between sectors/products



Interested in further details? Find the full results here!



Scan for additional **Battery Pass resources** on the:

- Battery Passport Content Guidance and DIN DKE SPEC 99100
- Battery Passport Technical Guidance
- Battery Passport Value Assessment
- and Software Demonstrator