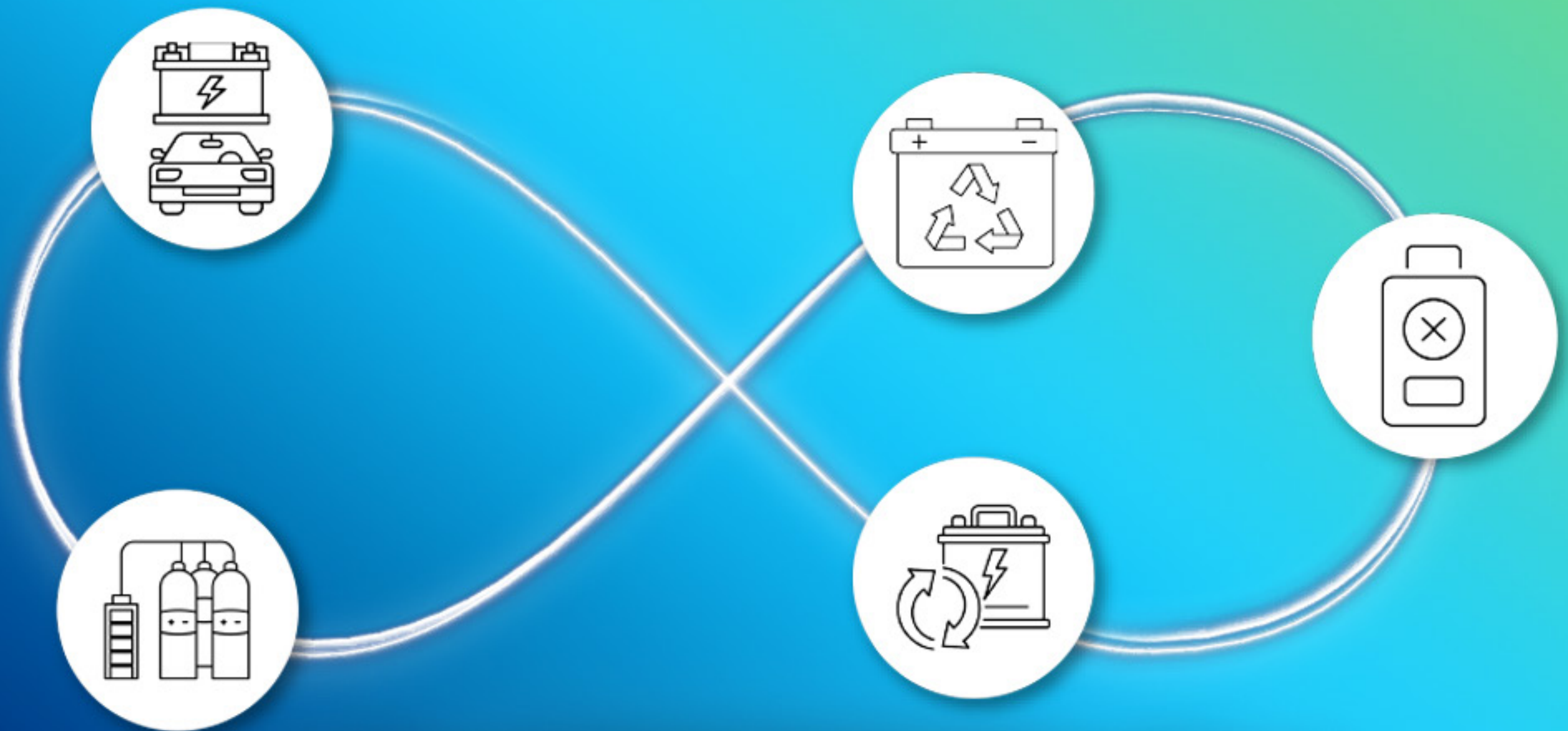


Battery Traceability



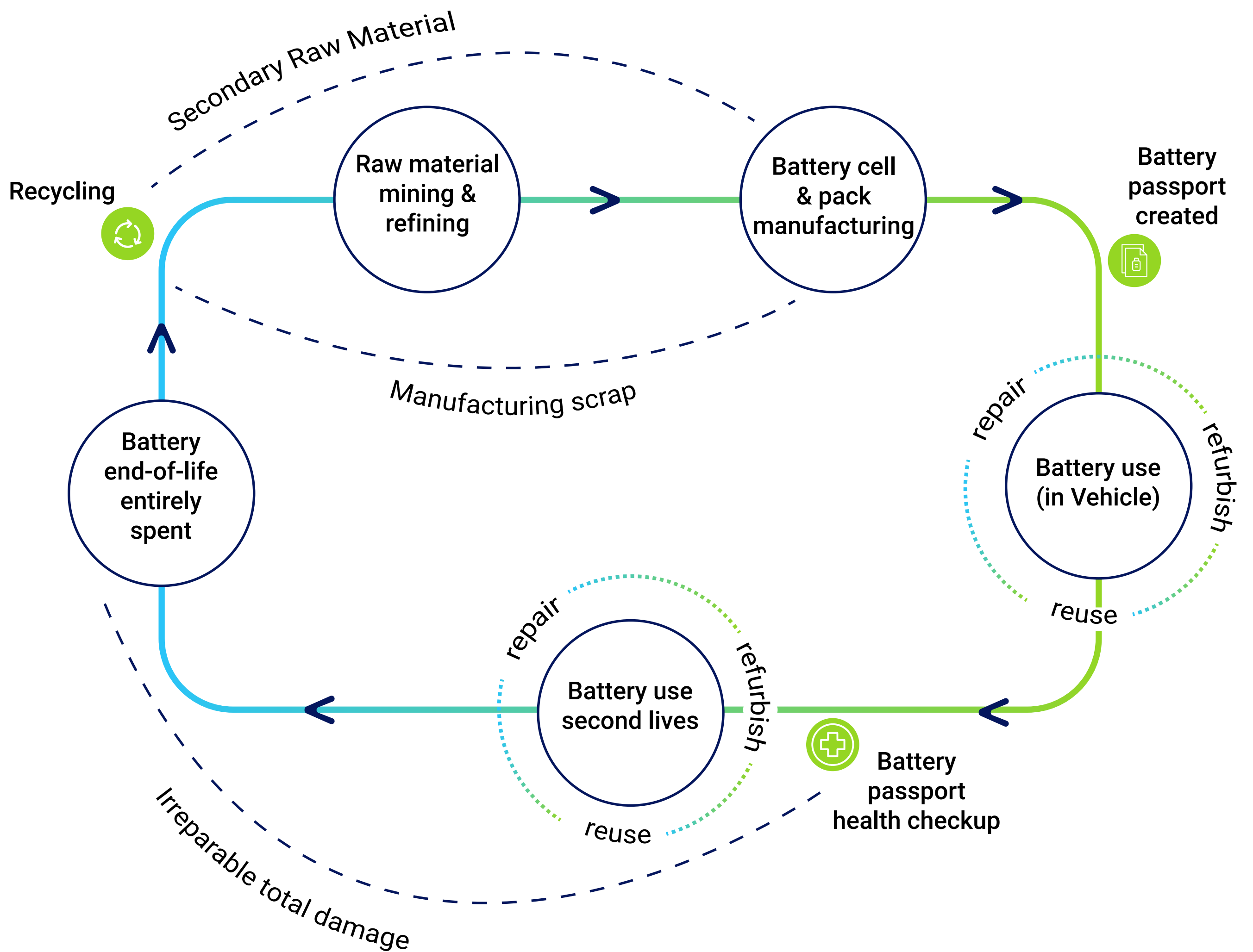
Battery Passport

is a digital ledger that tracks a battery's entire lifecycle (manufacture, use, safety, and recycling).

It will become mandatory in the EU by 2027, marked by QR codes.



Overview



Implementation Timeline



Global Perspective & Status



Product Passports proposed and advocated as a policy concept by the UK government in its waste and resource strategy.



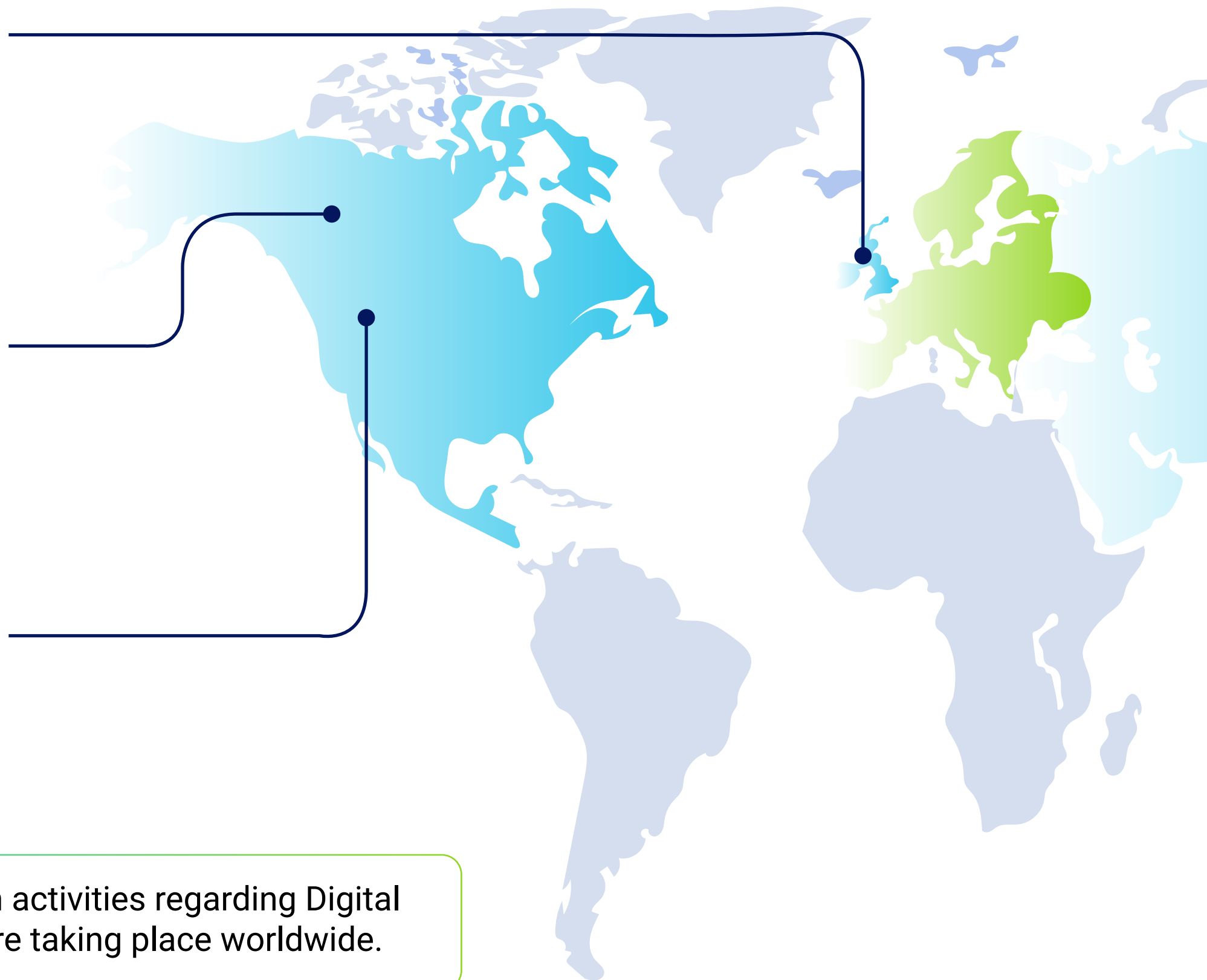
Government involvement in implementing battery passports for EVs.



Battery passports were discussed by the industry, e.g., to ensure Inflation Reduction Act compliance and recycling optimization.



International standardization activities regarding Digital Passport Products (DPPs) are taking place worldwide.



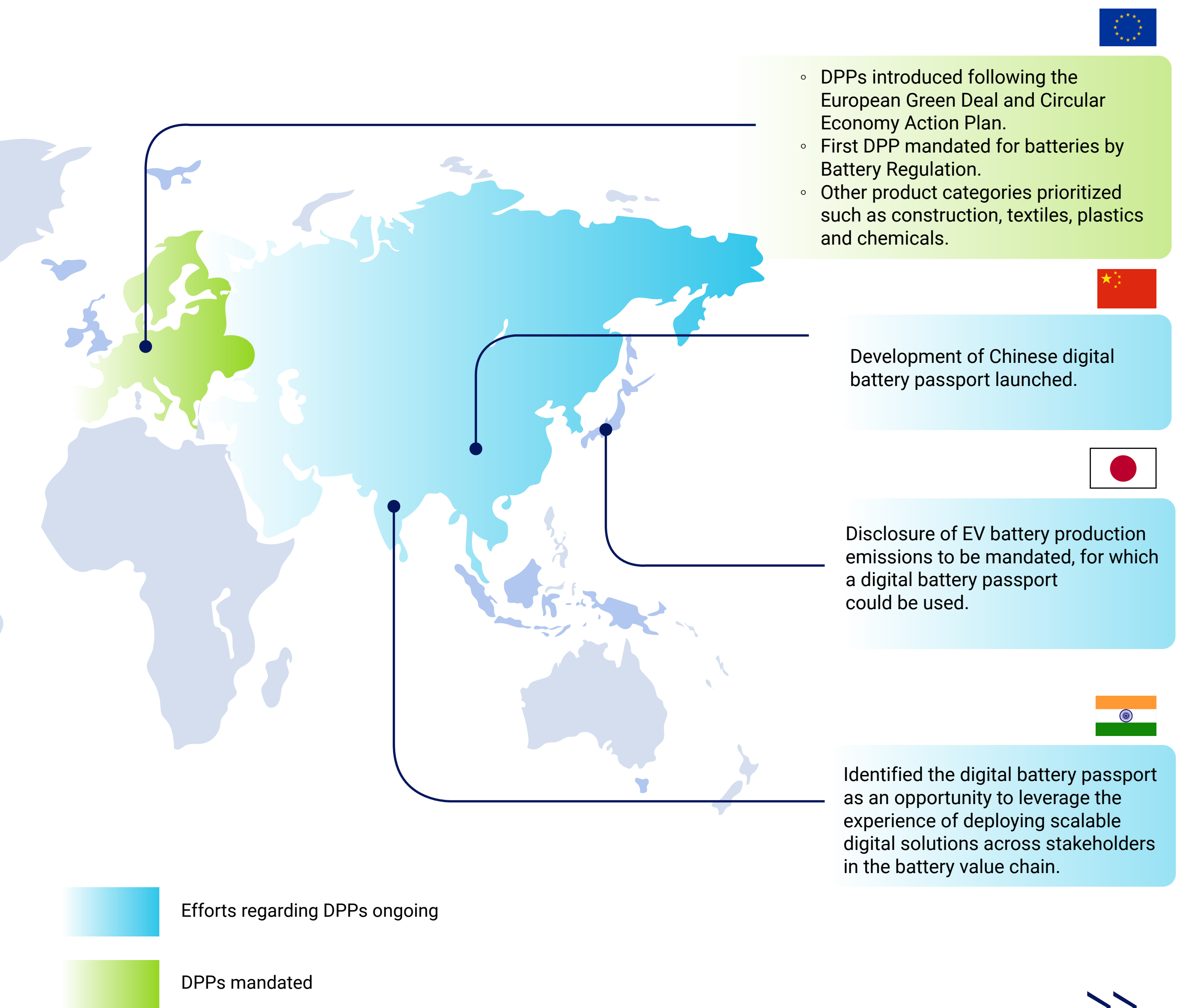
Efforts regarding DPPs ongoing



DPPs mandated



Global Perspective & Status



Responsibilities of Different Stakeholders

Stakeholders

Economic Operators

Independent Operators

Recyclers

End-user

Responsibility

- To develop a battery passport with the required content
- To authorize third parties to update passport
- Awareness campaigns

- To update the battery passport with respect to technical changes (e.g., replacement of modules)

- Ensure that recycling achieves the targets for recycling efficiency and the targets for recovery of materials
- Reporting of waste batteries collection & recycling

- End-of-life management (transferring the authorized collection points)



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