



# Digital Product Passport **(DPP)**

19 May 2025

This document is intended for present and prospective users of the Global Sustainable Enterprise System. The goal of this document is to briefly describe DPP and to explain the alignment between DPP and GSES.

[www.gses-system.com](http://www.gses-system.com)



# About GSES

## Who We Are

GSES is a holistic sustainability rating system, helping organizations make sustainable choices. It measures, benchmarks and externally verifies the sustainability performance of organisations, physical products and assets worldwide.

## What We Do

The GSES platform uses the Global Sustainable Enterprise Standard as a universal language to measure sustainability. This standard is an overarching meta-standard, translating more than 500 widely accepted standards and certificates into KPI's making them measurable and comparable.

## Our Mission

With the goal of simplifying the sustainability certification landscape and working against greenwashing, GSES works from the ground up – verifying and rewarding existing efforts and showing room for improvement.

## Our Vision

Our vision is a world where sustainability is not just a goal, but a well-defined path that guides every organization towards responsible and ethical practices. We envision a future where companies, governments, and individuals have access to clear, transparent, and actionable guidelines for achieving sustainability, without the burden of complexity and ambiguity.



# What is the Digital Product Passport?

## What?

The Digital Product Passport (DPP) was created under the umbrella of the Ecodesign for Sustainable Products Regulation (ESPR) as a crucial tool for enhancing product transparency, traceability, and sustainability across the European Union's internal market. Recognizing that transitioning to a circular economy model will be important to achieving the EU's 2030 and 2050 climate objectives, the DPP can offer insights into the material origins and the manufacturing process.

While the specific details for each DPP will vary by product group, the required data is likely to include:

- **Product Information:** unique product identifier
- **Material Composition:** list of raw materials, recycled content, and requirements related to substances of concern
- **Durability & Reparability:** expected lifespan and installation, use, and maintenance instructions
- **End-of-Life Information:** recycling instructions and disposal methods
- **Compliance & Certifications:** documentation of conformity with relevant regulations, standards, and certifications

## Why?

**Enhances Transparency:** DPP provides detailed information about a product's lifecycle — including materials, origin, reparability, and recyclability — making it easier for consumers, businesses, and regulators to make informed decisions.

**Supports Circular Economy Goals:** By enabling better tracking and reuse of materials, the DPP helps extend product life cycles and supports the EU's transition to a circular economy.

**Accessible and Interoperable:** The DPP is designed to be digitally accessible to relevant stakeholders (manufacturers, recyclers, consumers, etc.) and interoperable across the EU market through standardized data formats and interfaces.

**Combats Greenwashing:** By offering verified, up-to-date product data, the DPP helps prevent misleading environmental claims and ensures compliance with sustainability and performance requirements.



## For whom?

The ESPR is aimed at a variety of stakeholders across the EU, including:

- **Manufacturers:** Companies that produce physical goods for the EU market will be responsible for collecting, managing, and uploading detailed product data into the DPP system.
- **Retailers and Distributors:** Must ensure the products they offer include a valid DPP.
- **Consumers:** DPPs will offer greater transparency, allowing consumers to make more informed and sustainable purchasing decisions.

## When?

The ESPR officially came into force on 18 July 2024. However, its implementation will be gradual, starting with a prioritization exercise to identify key product categories and set the timeline for introducing specific product rules.

Key milestones include:

- **2025:** The Commission will publish a working plan outlining the products and measures to be prioritized under ESPR. This plan will be developed through detailed impact assessments and public consultations.
- **2026:** The Commission will set up a central digital registry for product data.
- **2027:** DPPs will become mandatory for specific products, starting with batteries (e.g. electric vehicles, industrial uses, etc)
- **2028 – 2029:** New categories such as textiles, electronics, and construction materials will gradually be added, and more companies will be required to include DPPs on their products.

By **2030**, ESPR aims to have fully operational ecodesign requirements for a broad range of goods, helping to achieve the EU's environmental targets. This will include DPPs for most products sold in the EU.



# How can GSES help?

In our continuous endeavor to be the leading sustainability solution provider for all industries, GSES proudly introduces a new addition to our platform: the Digital Product Passport (DPP). This perfectly complements the existing Nature Impact Rating for products, expands the scope of the GSES platform, and reinforces our commitment to offering comprehensive sustainability tools that facilitate regulatory compliance and promote sustainable practices.

Once the legally required indicators have been finalized and published, GSES will amend our DPP to align with the legislation. As the legislation continues to evolve following technical consultations, GSES commits to adjusting our DPP to ensure product compliance.

## Modules to boost your preparation for ESR

### Digital Product Passport (DPP)

The GSES platform integrates the EU's DPP, allowing our users to have a digital record of the sustainability and recyclability of their products

### Consumer Oriented Platform

ESPR and GSES both share the same long term goal of empowering consumers in making sustainable choices

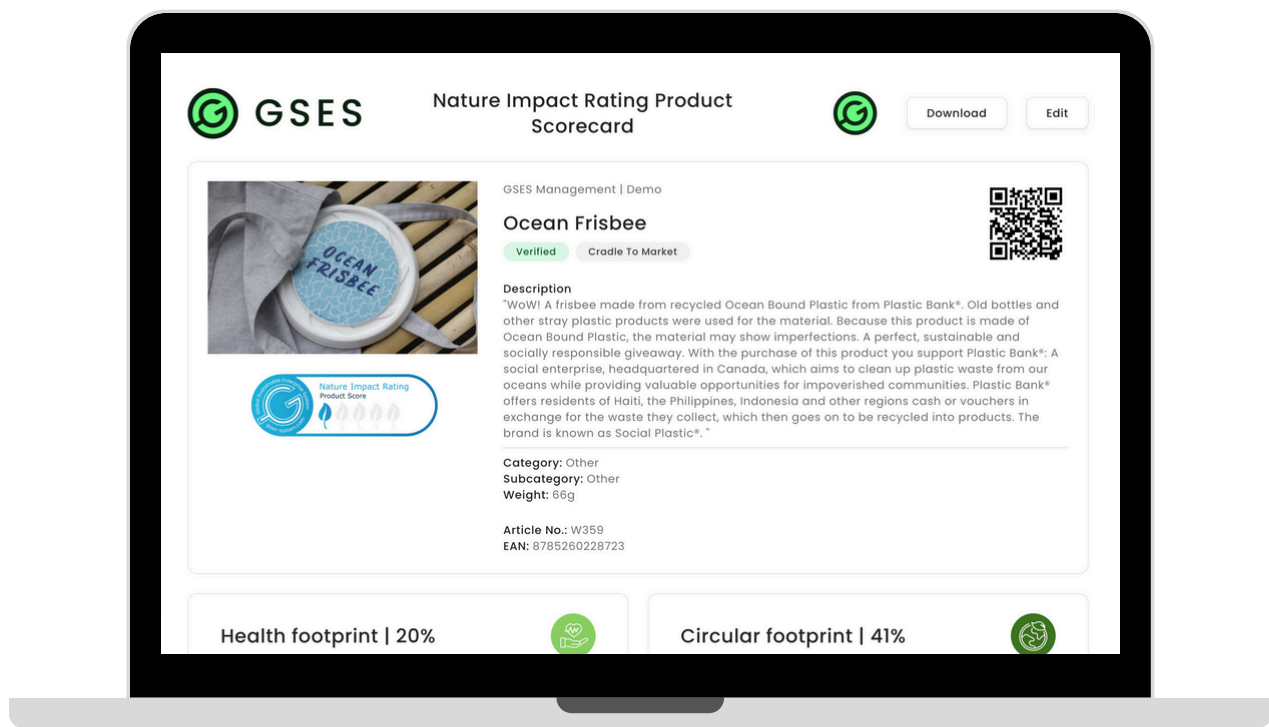
The screenshot displays the GSES Nature Impact Rating Product Scorecard for 'Ocean Frisbee'. The interface includes a product image, a QR code, and a detailed description of the product's sustainability features. Key metrics are presented in several sections:

- Health footprint | 20%:** Includes indicators for Ecotoxicity (42,857,083), Human Toxicity Cancer (1,009,950), Human Toxicity Non Cancer (2,402,802), REACH Compliance (No data on), and Additional Product Health Safety Declarations (No).
- Circular footprint | 41%:** Includes indicators for Recycled Content Used (100%), Biobased Content Used (0%), Compostable After Use (0%), Actual Recyclability After Use (4%), High Recycled Content Packaging (No), Plastic-free Packaging (No), Extended Warranty (No data available), and Easily Separable (No data available).
- Environmental footprint | 10%:** Includes indicators for Climate Change (24,04 kg CO2 eq), Acidification (0.0002397386 mol l), Water Usage (37.56 l), Non-Renewable Primary Energy Use (33.96 MJ), and Climate Change of Packaging (No data available).
- PEF impact categories:** Lists various impact categories such as Eutrophication Freshwater, Eutrophication Marine, Eutrophication Terrestrial, Ionising Radiation Human Health, Land Use, Ozone Depletion, Particulate Matter, Photochemical Ozone Formation Human Health, Resource Use Fossil, Resource Use Minerals And Metals, and Water Use Deprivation Potential, each with a corresponding value.
- Product Bill of Materials:** A table showing the material composition, including Plastic I Polyethylene (PE) recycled (double entry, use material 283) and its weight (66 grams).
- Transport details:** A map showing the transport route from the production location (Produced in The Netherlands) to the destination, with a distance of 22 km.
- Certificates & Supplier Certificates:** A section for displaying certificates, including a Global Recycle Standard (GS) certificate.



## Product Scorecards

Use our comprehensive product scorecards to highlight how your products meet the key principles of the ESPR, ensuring they are "sustainable, accessible, reliable, and cost-effective." These scorecards provide a detailed assessment, allowing you to demonstrate your commitment to meeting EU sustainability standards, enhancing product transparency, and aligning with consumer and regulatory expectations. By showcasing these attributes, you can effectively communicate the environmental and economic benefits of your products.





# Third party verification

## Independent Verification

At GSES we have partnered up with independent certification institutions/accountants. By incorporating third party verification through our partnership with Audit Independender, GSES ensures that there is no room for greenwashing or any other false claims.

All scorecards on the GSES platform will be independently verified by one of our trusted partner institutions.





## Sources

[https://commission.europa.eu/energy-climate-change-environment/standards-tools-and-labels/products-labelling-rules-and-requirements/ecodesign-sustainable-products-regulation\\_en#implementation](https://commission.europa.eu/energy-climate-change-environment/standards-tools-and-labels/products-labelling-rules-and-requirements/ecodesign-sustainable-products-regulation_en#implementation)

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32024R1781&qid=1719580391746>

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52025DC0187&qid=1744814743855>

[https://thebatterypass.eu/wp-content/uploads/q-a\\_content-guidance\\_1.pdf](https://thebatterypass.eu/wp-content/uploads/q-a_content-guidance_1.pdf)

## Get in **touch!**

Do you have any questions or would you like to learn more?  
Please contact **[support@gses-system.com](mailto:support@gses-system.com)**

*Please consult the website of the European Commission for the latest information about laws and regulations.*