

Unwrapping Sustainability with SAP RDP

Smart Packaging and PPWR Readiness



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Global regulations, EPR schemes, and plastic taxes continue to increase, in number and complexity



55%

To stay within safe planetary boundaries for material use, scientists estimate we must **reduce virgin plastic production by at least 55% by 2050.**

Packaging accounts for around 40% of global plastic demand today.

63

Countries currently have a packaging EPR scheme in place, with more planned, especially at State level in the USA

0.5-1%

Of revenue is approximate to packaging EPR fees

2026

When the EU Packaging and Packaging Waste Regulation comes into effect across all 27 member states

15-20%

Of consumer goods carbon footprint is packaging

Inaccurate data is costly

Increased headcount to manage data and reporting

Inaccurate fees, risking overpayment or fines for underpayment

Financial and reputational risk in noncompliance, higher cost of capital

Unable to use material-to-EPR cost insights to enable transition analysis and planning

Your packaging strategy is now a data strategy

All **packaging** placed on the EU market impacted

Customers don't have the luxury of time. They need systems in, tested and ready for compliance reporting **by August 2026**

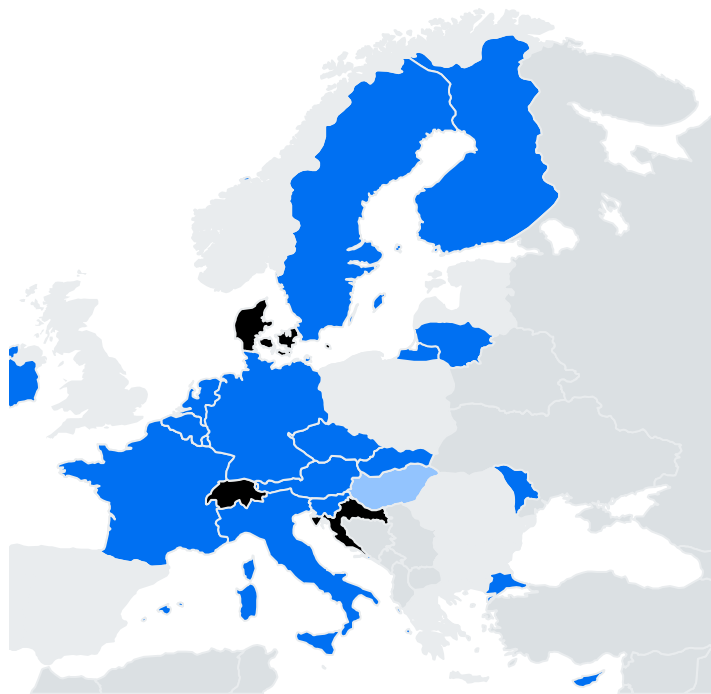
Compliance documents need to be **constantly updated** as new rules come into force or if packaging materials change

Extended Producer Responsibility (EPR) fees, design-for-reuse, and recycled content will soon impact your **bottom line: ~1% of revenue => 5% of gross margin**

Non-compliance risks from August 2026: **market access, brand reputation and penalties**

Fines for contravention of specific requirements on excessive packaging, restrictions and mandatory reuse/refill systems and targets, **to be set by Feb 2027**

Packaging data needs to be **granular, component level for each SKU**



Business needs to manage rising complexity across EPR schemes



Scope of materials and products

e.g.

- Affected packaging and products
- Scope of materials
- Rules of exclusion, e.g. for certain sectors



Design of fees

e.g.

- Fixed rate per ton of material
- Fixed basic amount depending on the quantity put on the market per year
- Eco-modulation



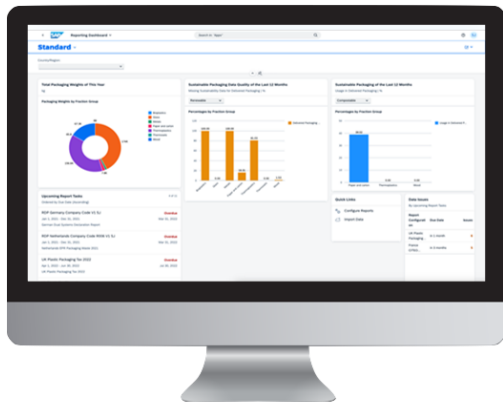
Compliance and enforcement mechanisms

e.g.

- Reporting requirements
- Auditing
- Penalties for non-compliance
- Different PRO's have different rules and fees for the same jurisdictions

SAP Responsible Design and Production

Globally manage packaging portfolio and local regulations using core ERP data, with single platform, ensuring accuracy and reducing exposure



In a nutshell

SAP Responsible Design and Production reduces the effort to manage your packaging data and comply with regulatory obligations, increase accuracy, reducing fees and exposure, and improve portfolio insights.

Integrate enterprise or third-party system data and combine it with information on regulations to calculate local and global obligations, e.g. PPWR.

Reduce effort to globally manage local regulations and plastic taxes

Monitor and apply reporting requirements for extended producer responsibility (EPR) obligations, PPWR, plastic taxes, and public commitments, use templates and create your own reports, all in one tool.

Improve portfolio insights with single platform, reducing packaging and fees

Use fees insights and analytics to make transparent and effective decisions, identifying areas for reduction, leveraging core ERP data from SAP or third-party systems.

Reduce fees and maintain listing through more sustainable packaging

Set design rules for recyclability and recycled content to check conformance at product, category, or corporate level, to reduce fees through eco-modulation.

Reduce effort, increase accuracy and improve portfolio insights

Reduce Exposure

- ✓ Calculate fees accurately to reduce fees and taxes paid, optimize materials choices to reduce EPR fees.
- ✓ Improved material-to-EPR cost insights to enable transition analysis and planning.

Maintain complex packaging designs

- ✓ Enable business users to maintain packaging compositions for multiple levels of primary, secondary, and tertiary packaging using multiple materials and form factors.

STEP 1

Integration and Data Replication

Manage your global packaging portfolio end-to-end with single platform, using core ERP data

Manual data upload via MS Excel

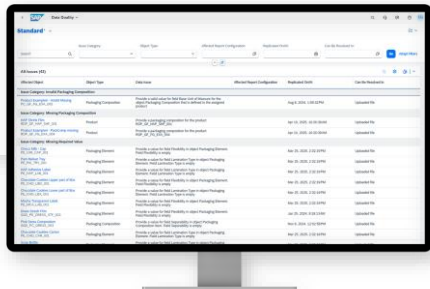
Pre-configured templates for all different data entities are available

Out-of-the-Box Replication from SAP Systems

Systems that are configured as destinations in the SAP BTP cockpit can provide data without further integration effort

REST API Replication from SAP S/4HANA

For SAP S/4HANA lower than 2021 SP03, SAP ECC systems, and 3rd party systems, an accelerator package with extractors is offered by SAP, to handle all required business data



STEP 2

Create and Run Reports

Calculate and report obligated EPR fees and material taxes to comply with local regulations

User-Defined Reports

Build your own reports, or use templates, to align with individual business needs and regulatory standards e.g. Oregon EPR, B2B contexts

Reports Provided by SAP

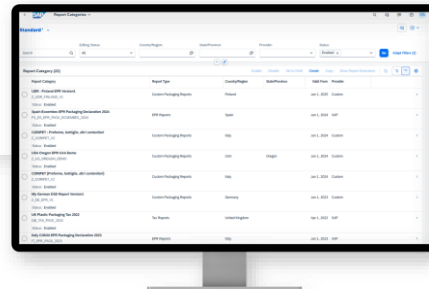
Run SAP-managed schemes for complex regulations, e.g. Spain Plastic Packaging Tax or France CITEO EPR, and use SAP Templates to get started with mid-complexity regulations, e.g. Sweden EPR

Report Configuration

Define the part of your organization or the type of deliveries that should be considered, e.g. only report on beverages, or exclude returns

NGO Reports

Deliver on voluntary corporate reports, e.g. Ellen MacArthur Foundation report



Analytics and Report Execution

Reporting Dashboard
Entry point and an overview of issues, statistics, or upcoming tasks for reporting experts, including percentage of sustainable packaging

Access metrics that are relevant to reporting specialists and multiple options to customize the visualization of data

Verify fee calculations before generating a report; compare product prices across countries, calculate total weights and fees based on deliveries or material documents, or calculate future fees for products that have not been sold yet

View and analyze the data used for the calculations of tax refund and tax relief

Generate, monitor, preview, and retrieve reports



Responsible Design

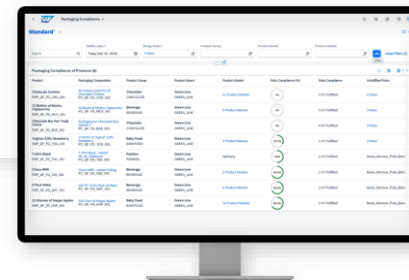
Configure Design Rules

Create and maintain design rules based on industry guidance to assess your packaging to help achieve your sustainability goals

- Use the rules for internal validations, e.g. check specific packaging for missing values

Easily identify problematic packaging at product, category, or corporate level, in the Packaging Compliance report

Reduce your packaging fees, plastic taxes, packaging waste and improve the recyclability of your products and stay compliant



Increased data accuracy reduces fees and exposure



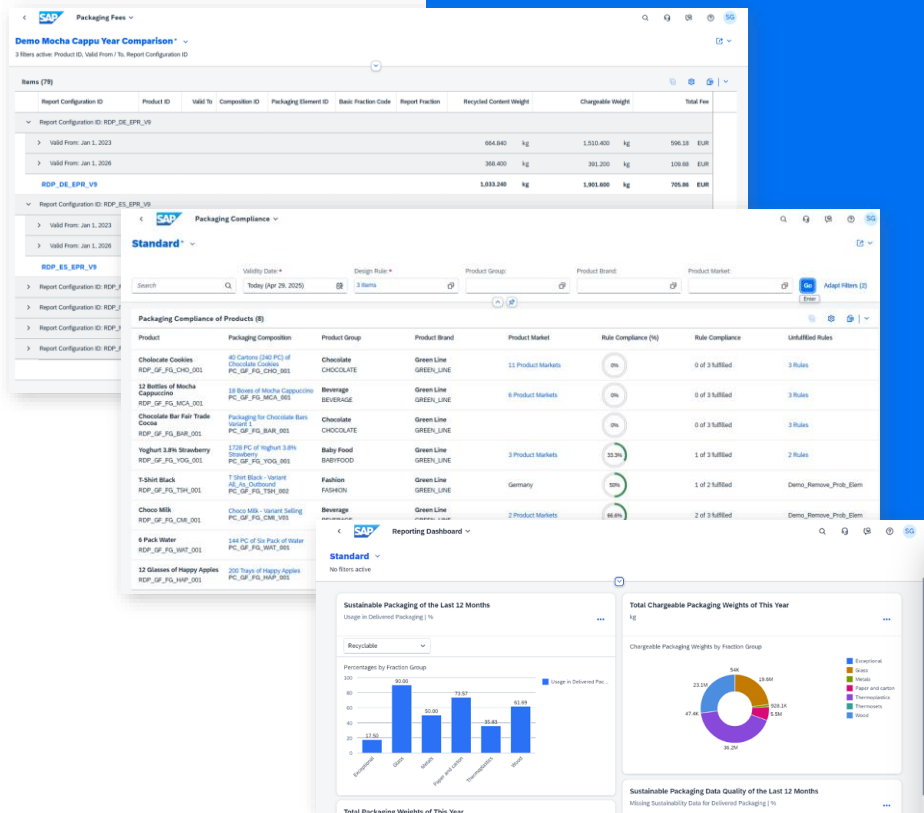
Accurately calculate EPR fees and plastic taxes, minimizing overpayment and reducing fees and taxes paid



Reduce regulatory risk exposure with auditable reports, using core ERP data



Use **eco-design insights** across the portfolio and actual materials data to **optimise EPR fees** and take advantage of eco-modulation



SAP RDP for Spanish Plastic Tax & EPR

American lingerie, clothing and beauty retailer

Existing Challenge

New Spanish Plastic Tax (Law 7/2022, effective January 2023) and EPR reporting obligations require automated, auditable compliance — €0.45/kg on non-recycled plastic packaging, monthly/quarterly Form 592 filings, with packaging data spread across SAP ERP, warehousing and analytics cloud-based solution, and non-SAP PLM solution.

Solution

- **SAP RDP implementation on SAP BTP** — automated calculation and statutory reporting for the Spanish market
- **4 statutory reports in production:** Spanish Plastic Tax (monthly), Ecoembes Packaging Waste reports (annual), Spanish Annual Packaging Declaration (Annex IV)
- **Unified sustainability reporting platform** — SAP RDP consolidates packaging and sales data from distributed enterprise systems (SAP ERP, cloud-based solution for warehousing and analytics, and non-SAP PLM solution) for automated Spanish Plastic Tax and EPR compliance.



LeverX – Your SAP Sustainability Implementation Partner

SAP Sustainability Expertise

LeverX helps companies turn sustainability obligations into automated, audit-ready processes: from packaging compliance and EPR reporting to product footprint management. We work across Retail, Consumer Goods, Chemicals, and Automotive.



Early adopter of SAP Business AI in Sustainability — including AI-assisted product compliance and footprint calculation.

What We Implement:

Sustainability Control Tower

SAP Green Ledger

Sustainability Footprint Management*

Responsible Design and Production *

SAP Green Token *

Product Compliance

Environment, Health, and Safety

Sustainability Data Exchange

* LeverX actively participates in SAP co-development program across Sustainability products

15+

SAP Sustainability projects

20+

years of close collaboration with SAP

500+

SAP-certified experts



Global Apparel & Beauty Retailer SAP RDP

Automated packaging compliance and EPR reporting across markets — from data chaos to audit-ready sustainability reports.

Local Plastic Tax filing automated

Packaging waste reporting enabled

All packaging data consolidated **in one place**



Automotive Supplier SAP RDP implementation

Packaging compliance standardized at global scale

Global regulatory coverage

Standardized packaging data model

EPR reporting across markets

SAP Responsible Design and Production: *PPWR road map overview*



H1 2026

- **Packaging data management**
Packaging data model extended for PPWR articles, delegate acts & product contact material
- **Ready to use DoC template**
DoC templates available in supported languages: English, German, French, Spanish, Italian, and Dutch
- **Attachments for packaging elements and compositions**
Maintain conformity-related documents—including test reports, audit reports, and drawings—in one place
- **Conformity assessment and declaration**
Analyze packaging information in a single, consolidated view before generating Declaration of Conformity

H2 2026

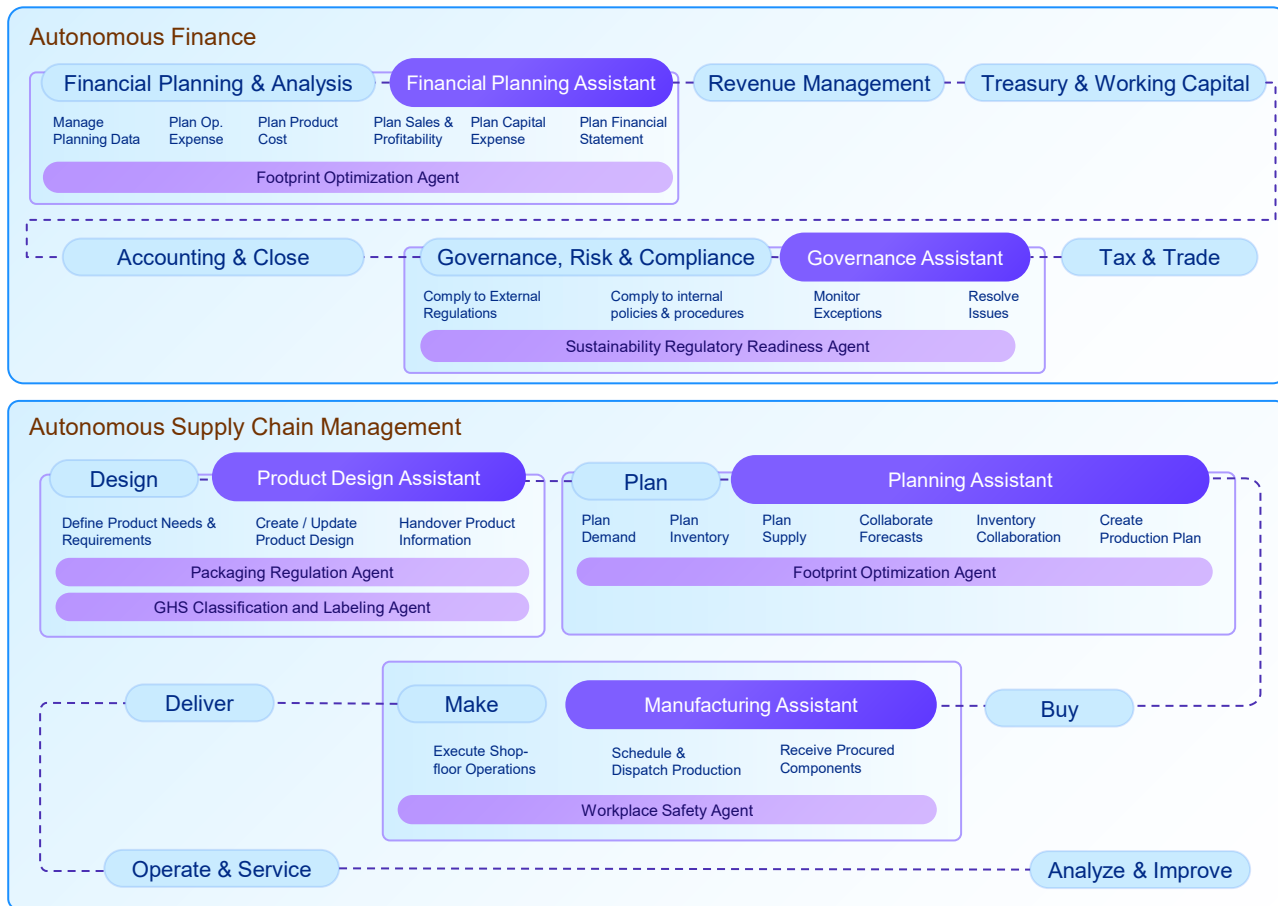
- **Packaging data collaboration**
Enable supplier collaboration for packaging data
- **PPWR agent (Beta)**
Information assistant, impact assessment, fill-in data gaps with recommended data
- **Compliance documents lifecycle management**
Introduce alerts, versioning, and document history
- **PPWR readiness dashboard**
Get a portfolio-wide overview of PPWR-relevant KPIs, including missing and non-compliant data and insights

Autonomous orchestration via assistants

Embed sustainability directly into end-to-end business processes to safeguard your margins and license to operate.

Vision: Make sustainability a built-in variable of the autonomous enterprise to anticipate regulatory shifts, manage risks proactively, and turn sustainability into competitive advantage.

Mission: Operationalize sustainability across the enterprise by infusing end-to-end domain assistants and agents with sustainability intelligence, optimization, and action.



Snapshot of sustainability agents as part of autonomous domains



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