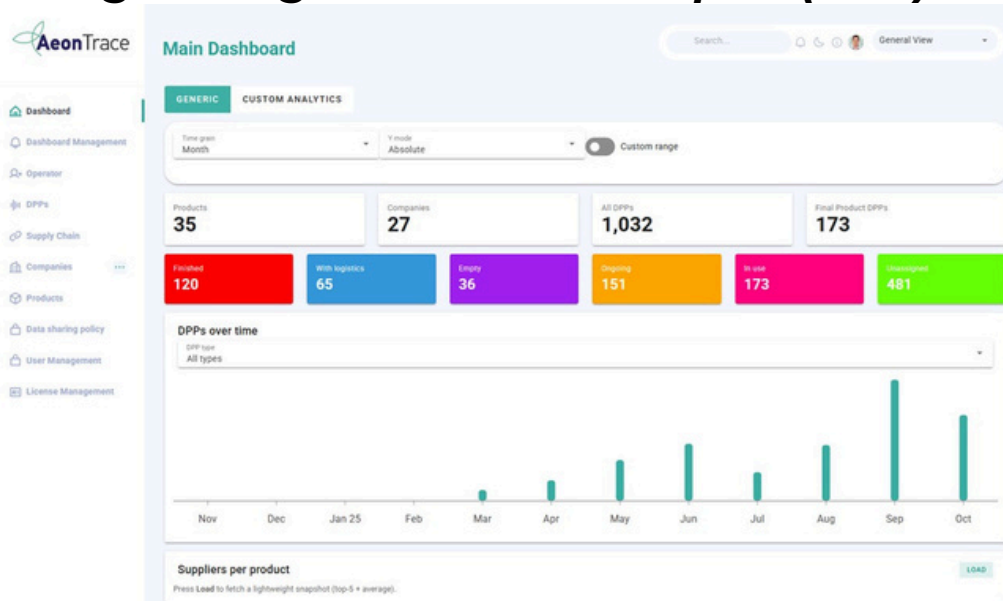


CIRCULess Newsletter

Unlocking Information Transparency and Traceability: Realizing the Digital Product Passport (DPP)



Significant progress has been achieved in the development of the Digital Product Passport (DPP) ...

In the CIRCULess project, we have successfully transitioned from the theoretical framework established during the initial conceptual development phase to the active realization and implementation phase. Our focus is on creating a seamless integration of the specific material, process, and supply chain information for our **Timber** and **Mineral** Flows.

The **DPP** is more than just a static digital label or a QR code. It is a dynamic information-gathering tool that promotes circularity and sustainability. By providing a transparent and traceable record of timber and mineral stream information, our partners at CIRCULess can conduct further analysis for critical project activities such as the Life Cycle Assessment (LCA).

Development Status

CIRCULess is currently in the Development & Integration phase, focusing on completing both back-end architecture and front-end user interface design while taking into account the specific supply chain and integration requirements of all consortium partners.



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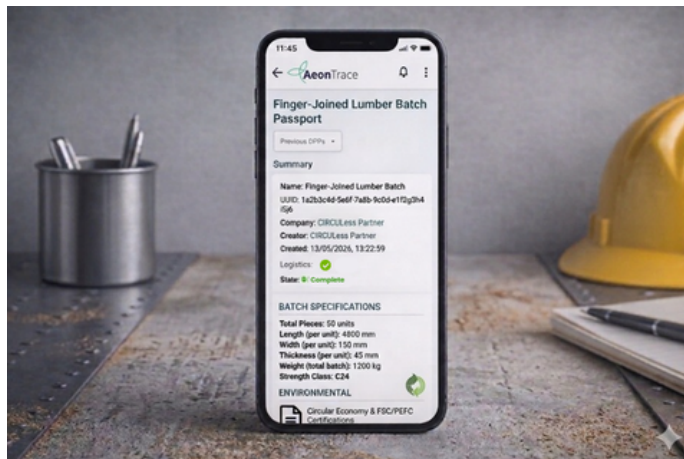
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AeonTrace Platform: Concept design of the mobile interface



The DPP platform is designed to be flexible and adapt to any supply chain, product, or requirement



Digital Development & Technical Innovation

Our work on the Digital Product Passport (DPP) focuses on two main areas:

Data Identification

- ✓ We have mapped the value chain to identify the key information that should be included in the DPP.
- ✓ This helps ensure that all stakeholders can provide relevant and compatible data throughout the supply chain.

Automated Data Collection

- ✓ To reduce manual data entry, we are implementing REST APIs for automatic data transfer.
- ✓ This will enable real-time integration with the CIRCULess platform and help keep DPP information up to date.



Why it matters

Digital Product Passports can improve **resource management**, increase **efficiency**, and simplify **compliance**.



For industry, DPPs improve transparency, traceability, and resource management across the value chain.



For policymakers, DPPs can support compliance with upcoming EU sustainability requirements.



For society, DPPs give access to reliable product information, building trust in sustainability claims.



Milestones

Some of the milestones achieved in this phase of the project are :

- ✓ Completed the Alpha version of the DPP platform, AeonTrace.
- ✓ Completed the technical specifications for the DPP structure.
- ✓ Finalized the initial mapping of supply chains for both timber and mineral material streams.

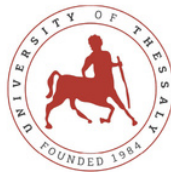
What to Expect in the Next Phase

In the coming project phases, we will carry out the following:

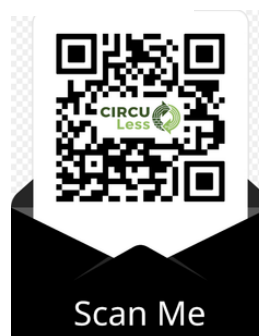
- **Beta Development** – Continue developing the Beta version of the AeonTrace DPP platform.
- **Platform Validation** – Integrate AeonTrace with the CIRCULess platform and carry out dynamic testing.
- **User Feedback** – Work closely with project partners to ensure the platform is intuitive, practical, and user-friendly.

CIRCULess Newsletter

The consortium



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