DigInTraCE

A novel transparent & interoperable decentralised traceability platform for circular economy

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What is DigInTraCE

DigInTraCE, an EU-funded project, harnesses cutting-edge tracking, sensing, and sorting technologies to create a transparent, interoperable, and decentralized traceability platform for the pulp, paper, and chemicals sectors. The project develops dynamic Data Protection Policies (DPP) to support certification, quality validation, and AI-driven decision-making for optimized processes and lifecycle management.

DigInTraCE also explores innovative solutions for upcycling, reusing, and upgrading materials, boosting the use of secondary raw materials. Its scope covers key industries, including composite wood, furniture, pulp and paper, plastics (ICT and automotive), polymers, and textiles.

DigInTraCE Objectives

- ✓ To design, develop and implement solutions fostering and optimizing use of secondary raw materials and reducing waste as part of circular value chains.

- ✓ To develop and demonstrate new concepts for material tracing while offering a digital decentralized platform allowing tracing and certification of secondary raw materials.

- ✓ To design and deliver novel near real time sensing and sorting mechanisms enhancing data exchange through a dynamic Digital Product Passport

- ✓ To facilitate access to composition and origin of material data through smart tags, smart contracts, open software and the usage of immersive technologies.

- ✓ To validate the DigInTraCE technologies in 4 different value chains.

- ✓ To create business models providing new economic opportunities and learning resources for employees, promoting new digital skills and meeting regional social needs.new economic opportunities and learning resources for employees, promoting new digital skills and meeting regional social needs.

Project Facts

CALL: HORIZON-CLA-2022- RESILIENCE-01

TOPIC: CIRCULAR AND LOW EMISSION VALUE CHAINS THROUGH DIGITALISATION

START DATE:
01 JANUARY 2023

END DATE:
31 DECEMBER 2026

PROJECT COORDINATOR:

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