

DD3: Digital Product Passport compiler



This tool helps manufacturers to create DPPs including LCA results without repetitive data entry.

This tool consists of several forms to help you document product properties and supply chains. It builds a DPP to comply with new EU regulations. The tool is built in Python using Django and Brightway. Build your own digital passport at my station!

Area: Linking systems (engineering ↔ LCA, ESM ↔ LCA, etc.) Linked to: <i>Brightway 2.5</i>, any background database	Development level: Beta (usable with guidance, bugs expected) Where you can help me: ○ How would you prefer to navigate in the tool? ○ What API access would you need? ○ What bugs do you encounter?	
Technical details: 3 layers Industry-specific interaction ↕ Supply chain & DPP layer ↕ LCA layer (Brightway) → Lasers4MaaS Sustainability Cost Evaluation Home NAVIGATION - Production lines - Products - Importers - Sustainability evaluations - User profile Welding Inputs to process 1.443 kWh Electricity (UK grid) 2.0 pcs Cleaned cut coupons 0.67 cyclinder Argon 4.6 + Add input + Add packaging	License + access status: open-source (GNU AGPL) Try the tool: http://l4m-ssvannielen.eu.pythonanywhere.com/dpp/welcome → Source code: https://github.com/CMLPlatform/SCE_API Authors: Sander van Nielen, Franco Donati, Marco Cinelli Contact: s.s.van.nielen@cml.leidenuniv.nl CML, Leiden University	QR code link