Release notes
December 2022

Release highlights

EARLY DESIGN & ECODESIGN

- ✓ Structural frame templates automatically assigned for designs in Carbon Designer 3D

BUILDING & INFRA LCA

- ✓ **Our RE2020 tool has passed the official audit process set by the French government**
- ✓ Manufacturing localisation method version 2.1 becomes default for more accurate calculations

PRODUCT LCA & EPD SOFTWARE

- ✓ **New downloadable report to publish EPDs with PEP Ecopassport** new
- ✓ New EPD templates and datalists for Rainwater screen and Mineral wool insulation

GLOBAL DATA

- ✓ Thousands of new datapoints to help you calculate carbon emissions more accurately

new = Completely new tool or major feature

Customer request

Federated single sign-on available for testing in sandbox environment for enterprise customers

We are preparing to make available single sign-on solutions for most customers during 2023. We plan to support a number of scenarios, including "**social login**" for customers who use Google or Microsoft 365 to manage their user accounts, and "**federated login**" for customers who run their own directory services e.g. with Microsoft Active Directory.

Federated single sign-on uses SAML2.0 and lets corporate IT departments force employees in their organisations to login to One Click LCA using their corporate accounts, so that One Click LCA appears logically as one of the SSO applications managed by the corporate IT department.

Enterprise customers who wish to enable federated login can contact us by email on product@oneclicklca.com to request early access to configure single sign-on and test it with our sandbox environment.

Early design & Ecodesign

Customer request

Carbon Designer 3D: structural frame templates assigned automatically when creating designs

Public templates that affect the structural frame of the building are now assigned automatically in the background to make it easier for you to create new designs.

In practice, when creating a new design (step 5) you no longer need to manually select a matching template for the selected frame. If you wish, you can still select and apply other public or private templates on top and overwrite the default constructions.

Building & Infrastructure LCA

Customer request

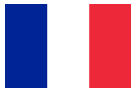
France: news for RE2020 tool

It’s confirmed, our RE2020 tool has passed the audit process started several months ago. Every software providing a RE2020 tool had to be verified by a third party, mandated by the French government, in order to continue to guarantee compliance of building construction projects with the regulatory thresholds.

One Click LCA will be on the official list of verified software for RE2020 tools, though this list has not yet been updated.

From the information received by the government, we know that the tools are validated for the next two years.

France : nouveauté pour l'outil RE2020



C'est confirmé, notre outil RE2020 a validé le processus d'audit entamé il y a plusieurs mois. Chaque logiciel fournissant un outil RE2020 a dû être vérifié par une tierce partie, mandatée par le gouvernement français, afin de continuer à garantir la conformité des projets de construction de bâtiments avec les seuils réglementaires.

One Click LCA sera dans la liste officielle des logiciels vérifiés pour les outils RE2020, bien que cette liste n’ait pas encore été mise à jour.

D'après les informations reçues par le gouvernement, nous savons que les outils sont validés pour les deux prochaines années.

Customer request

New default manufacturing localisation method

What are the benefits of the new default method, v2.1, over the old v1 method?

- ✓ Updated and more accurate values for required electricity per material subtype
- ✓ More accurate calculation. The figures for required electricity per material type for the new method are defined on mass-basis, which is not always the case for method v1. This improves the accuracy for multiple material subtypes including insulation, glass, windows, doors, tiles, asphalt, earth masses, panels, textiles and membranes.
- ✓ Updated energy profiles for the “starting” countries of the method. While users can edit the electricity profile for the “target” country of the method (in LCA parameters or in materials query), the energy profiles for the country of origin of the materials (“starting” country) can not be adjusted in the user interface. The method v2.1 includes updated profiles for the “starting” countries.
- ✓ Better calibration against special cases. The new method introduces a new sanity check to ensure that the method is well-calibrated against special cases. The check compares the adjusted GWP impacts against realistic GWP impact ranges, and if the check fails then the method is not applied for any impact category.

More info on the method and its use cases can be found in this article.

Customer request

Latest edits in manufacturing localization v2 & v2.1 methods

- ✓ Multiple additional material subtypes now get compensated, incl. Paints, Coatings and lacquers, Sealants (silicone and others), Resins, Glue, Ventilation ducts and channels, Cables, Plastic membranes, Textiles and Wallpapers

- ✓ Improvements in min/max GWP limit check method. This change affects all the impact categories that are relevant for the method, except GWP, as now they get compensated only if the GWP limit check is successful for the material.

- ✓ Update figures for required electricity for window and door subtypes that have aluminium and wooden frames

- ✓ Updated min/max limits for multiple material subtypes

Projects that were using the methods before this change (Wednesday 7.12), will get updated results if they get resaved. Users with such projects have been also notified via email.

Product LCA & EPD Software

Customer request

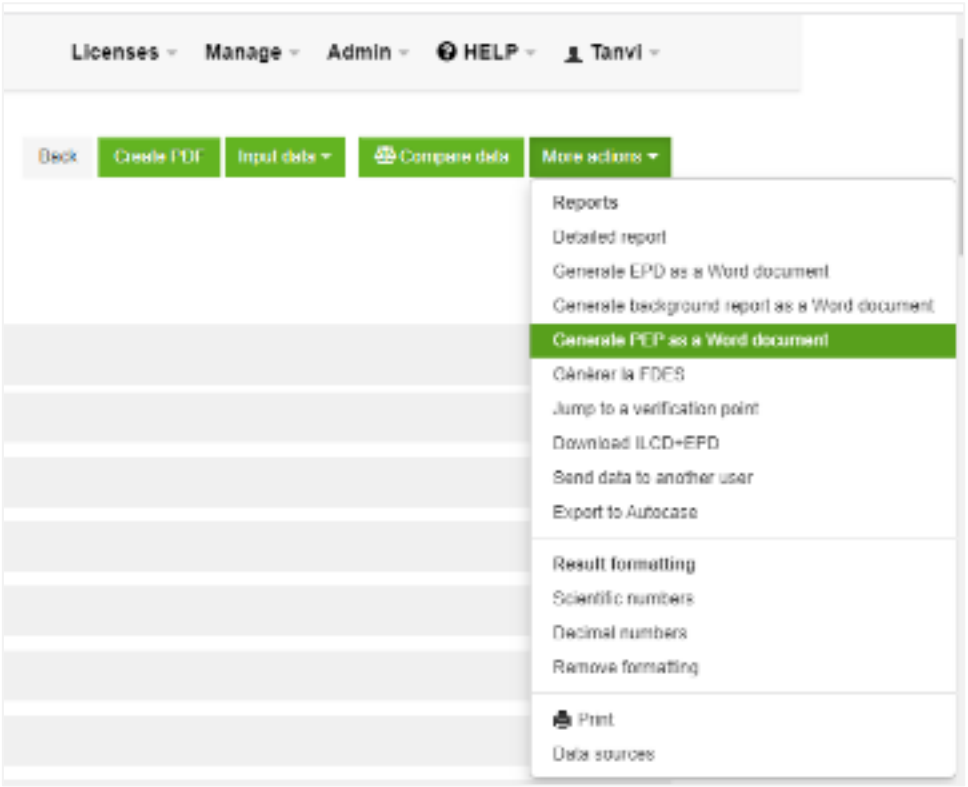
New downloadable report to publish EPDs with PEP Ecopassport

You can now download a report from our pre-verified EPD Generator tools to help you publish your EPDs with PEP Ecopassport.

The report is in Word format and includes all the data you entered into any field with an existing question in the the pre-verified EPD Generator tool.

Once downloaded, you can edit the Word report and add any additional content required that is specific to PEP Ecopassport.

Note: We plan to update our solutions in 2023 so you can collect more data specific to PEP Ecopassort in our EPD Generator tools and have it appear automatically in the report.



Customer request

New templates & usability improvements for EPD Generator tools

Usability improvements

- ✓ You can import the "**Installation loss**" (A5) of your product through the available import form
- ✓ You can add transport emissions to the A3 module using a new "**A3**" option in the dropdown for "**LCA Stage**" selection in the "**Additional transport**" section of the **Materials query**
- ✓ You can use filters for data source and type to quickly find appropriate data to use in your EPDs in relevant sections of the **Materials query.** You can e.g. filter for data from Ecoinvent, One Click LCA or published industry EPDs.

New EPD templates

- ✓ Template for rainwater screen
- ✓ Datalist for rainwater screen
- ✓ Template for Mineral wool insulation
- ✓ Datalist for Mineral wool insulation

Global Data

Customer request

New data to help you calculate embodied carbon more accurately

In November, we added around 900 industry datapoints (EPDs) and updated around 1200 existing ones.

KBOB, SYKE and Boverket databases were updated while World Steel Association database was added as a new data source.

We also added 27 new infrastructure constructions as a continuation of the work in October.

We added 19 new MEP constructions for datacenters, incl.:

- ✓ Suspended metal ceiling system for data centre
- ✓ Ambient temperature sensors for data centre
- ✓ Fire hydrant piping network for data centre
- ✓ Stormwater tanks and drainage system for data centre
- ✓ Dry sprinkler system for data centre (included: piping)
- ✓ Wet sprinkler system for data centre (included: piping)
- ✓ Mist cooling system for data centre (included: piping)
- ✓ Aspirating smoke detector system for data centre
- ✓ Ventilation duct network for data centre
- ✓ Air volume control dampers & grilles system for data centre
- ✓ Fuel pipe header network for data centre