Release notes
December 2022
19.12.2022

Release highlights

EARLY DESIGN & ECODESIGN

- ✓ **New regional reference building available for Spain in Carbon Designer 3D** new

BUILDING & INFRA LCA

- ✓ Option to disable material localisation with new manufacturing localisation method version 2.1
- ✓ Benchmarking of products in the French INIES database is re-enabled

PRODUCT LCA & EPD SOFTWARE

- ✓ **EPD Generator for EPD Hub v2 with Ecoinvent 3.8 data is available** new
- ✓ New downloadable PDF report available in the Product Carbon tool

GLOBAL DATA & GENERAL

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

new = Completely new tool or major feature

Early design & Ecodesign

Customer request

Carbon Designer 3D: New regional reference building available for Spain

A new reference building is available for Spain region in Carbon Designer 3D which reflects common choices e.g. for structure, materials and energy consumption.

- ✓ 5 different climate zones regions available (A, B, C, D and E)
- ✓ External wall and roof slab constructions available for each climate zone, based on the average U-values
- ✓ Default constructions are based on reference buildings made available via the Verde certification standard in 2022
- ✓ Spanish local generic data is used where available, esp. for hollow bricks and concrete

VERDE

GBCe green building council españa

One Click LCA

Building & Infrastructure LCA

Customer request

Option to disable material localisation with new manufacturing localisation method version 2.1

In November, we made manufacturing localisation method version 2.1 the default selection as in most cases it provides many benefit over the old versions. The method v2.1 seeks to localise impacts from all sources, including selected material datapoints with EPDs.

This approach might however not be optimal e.g. in projects where materials are sourced from outside the project target country. To get more realistic results in this type of projects, you can now select to use the new option to "**Disable material localisation**" for the project in the LCA parameters settings also for manufacturing localization method v2.1.

When this option is selected, no localisation is applied to material datapoints with actual EPDs and method v2.1 is used only for compensating environmental data of generic datapoints by One Click LCA.

Customer request

France: updates to FEC/RE2020 tools

Benchmark of construction products and equipment in the INIES database is re-enabled

The benchmark of materials in the INIES database is no longer prohibited, following the request of the DHUP, which allows us to restore this functionality in our software.

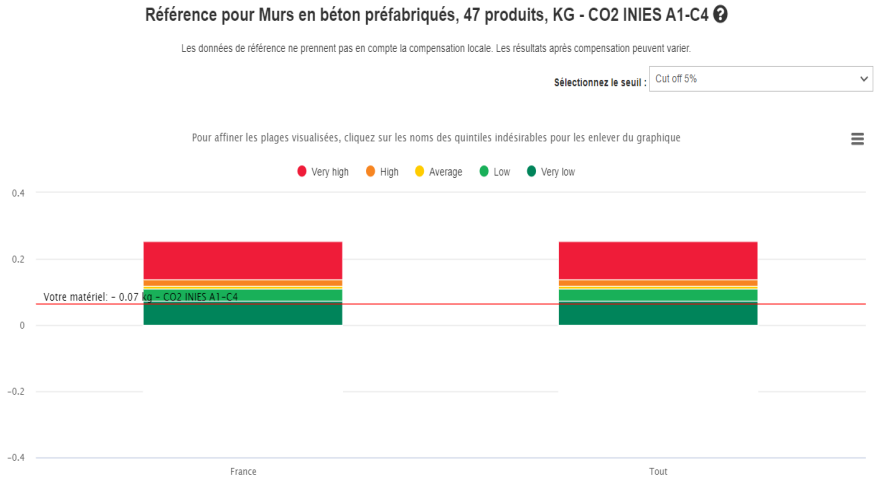
It will soon be available on both the Energie Carbone (E+C-) and RE2020 tools. The benchmark makes it easier to select materials for the eco-design of buildings by comparing the impact of materials with those of other elements of the same family.

France : mises à jour des outils E+C-/RE2020

Benchmark des produits de constructions et équipements de la base INIES

Le benchmark des matériaux de la base INIES n'est plus interdit, suite à la demande de la DHUP, ce qui nous permet de rétablir cette fonctionnalité de notre logiciel.

Celle-ci sera bientôt disponible à la fois sur l'outil E+C- et l'outil RE2020. Le benchmark permet de faciliter, lors de la sélection des matériaux, l'écoconception des bâtiments en comparant l'impact des matériaux avec ceux d'autres éléments de la même famille.



One Click LCA Plan Availability ✓ STARTER ✓ BUSINESS ✓ EXPERT

One Click LCA

Customer request

France: updates to FEC/RE2020 tools

Improved user experience on the "Input data: RSET and project data“ page:

- ✓ It is now easier to identify missing data for the export of the RSEE and threshold calculation on the "Input data: RSET and project data” page. Save will only redirect to the project page where the different designs are located if the RSET/RSEE is uploaded and the mandatory questions for threshold calculation are filled in (altitude, climate zone and the date of building permit submission).

- ✓ It is still possible to go back and edit the designs after saving, despite the missing data. The different fields filled in by the user will have been saved. The parameter button will remain red.

France : mises à jour des outils E+C-/RE2020

Amélioration de l’expérience de l’utilisateur sur la page « Saisir les données : RSET et données du projet » :

- ✓ Il est désormais plus facile d’identifier les données manquantes pour l’export du RSEE et le calcul des seuils sur la page « Saisir les données : RSET et données du projet ». Sauvegarder ne redirigera vers la page du projet où se trouvent les différentes conceptions uniquement si le RSET/RSEE est téléchargé et que les questions obligatoires pour le calcul des seuils sont remplies (altitude, zone climatique et date de dépôt du permis de construire).

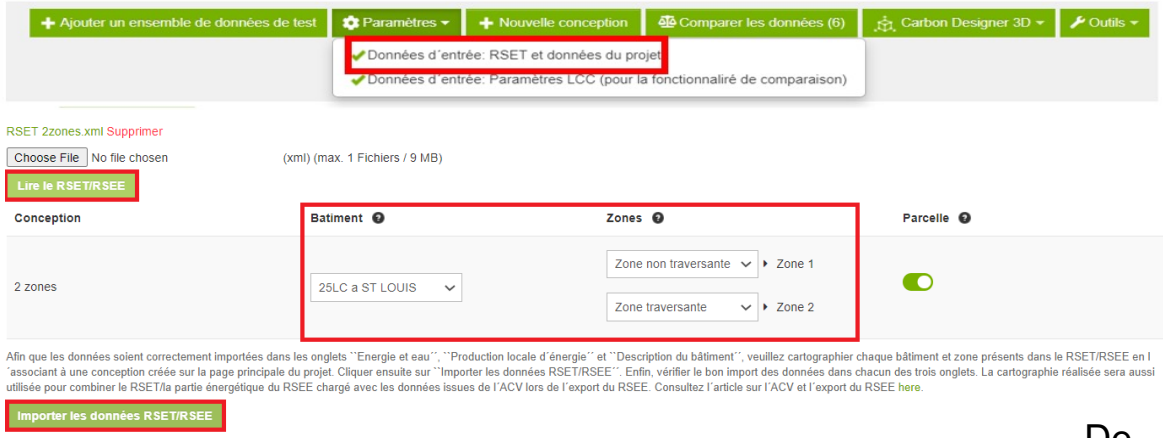
- ✓ Il reste possible de revenir en arrière pour éditer les conceptions après avoir sauvegardé, malgré les données manquantes. Les différents champs remplis par l’utilisateur auront été sauvegardés. Le bouton paramètre restera rouge.

Plan Availability ✓ STARTER ✓ BUSINESS ✓ EXPERT

Customer request

France: updates to RE2020 tool

RSET/RSEE import of energy and administrative data:



New administrative data can now be captured from the RSET/RSEE. On the **"Input data: RSET and project data“** page, you can now import the altitude, GPS coordinates or soil pollution. If the uploaded file is a RSEE, the area of the parcel can also be imported. **The climate zone must always be entered manually and impacts the calculation of thresholds.**

The **"Building Description"** page is also filled in, for all the questions except for the additional questions for the zones (usage, noise category...). The file must be an RSEE to import the duration of the building site.

France : mises à jour de l'outil RE2020

Import RSET/RSEE de données énergétiques et administratives :

De nouvelles données administratives peuvent à présent être capturées depuis le RSET/RSEE. Sur la page **« Saisir les données : RSET et données du projet »**, l'altitude, les coordonnées GPS ou encore la pollution du sol sont maintenant importées. Si le fichier importé est un RSEE, la surface de la parcelle peut également être importée. **La zone climatique doit toujours être saisie manuellement et impacte le calcul des seuils.**

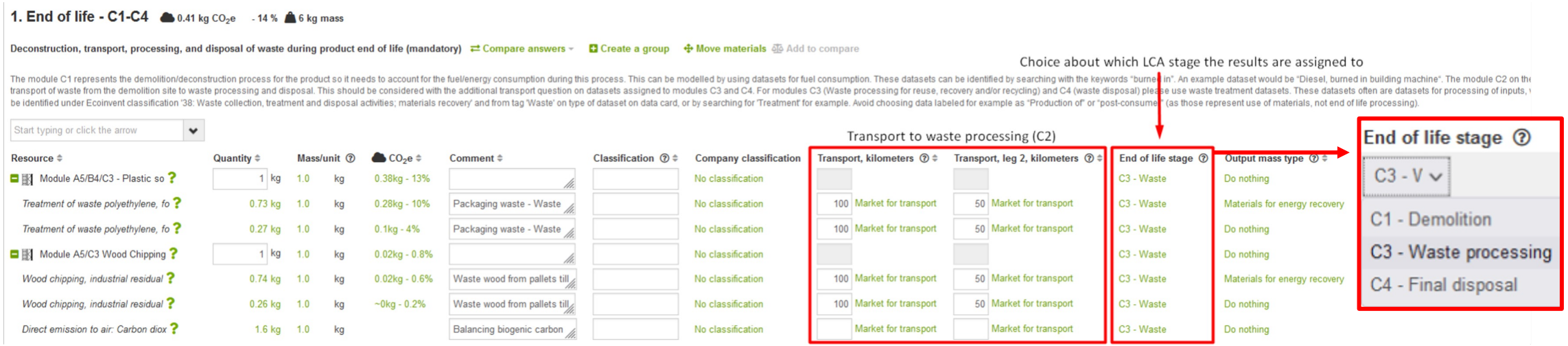
La page **« Description du bâtiment »** est également remplie, pour l'ensemble des questions en dehors des questions additionnelles pour les zones (usage, catégorie CE…). Le fichier doit être un RSEE pour importer la durée de chantier.

Plan Availability ✓ STARTER ✓ BUSINESS ✓ EXPERT

Product LCA & EPD Software

Customer request

EPD Generator for EPD Hub v2 available with Ecoinvent 3.8 data (1/2)



EPD Generator for EPD Hub v2 is a new tool designed to speed up EPD creation with key usability improvements:

- ✓ "**Materials (A1-A3)**" and "**Manufacturing (A3)**" queries now combine data entry for Ecoinvent data points, One Click LCA EPDs and LCA profile data into one set of questions and one import CLASS.
- ✓ "**End of life (C-D)**" query combines modules C1-C4 into a single question so more complete end of life scenarios can be created with the "**Create a group**" function. You now select C1, C3, or C4 module for all entries. "**End of life transport (C2)**" is reported via an additional question.

Customer request

EPD Generator for EPD Hub v2 available with Ecoinvent 3.8 data (2/2)

Ecoinvent 3.8 data

- ✓ New datapoints are available and many previously existing datapoints have been updated or corrected
- ✓ Ecoinvent version 3.8 also introduces a new system model. This new system model, '**Allocation, cut-off, EN15804**', was developed by ecoinvent to help EPD practitioners comply with the standard EN15804&A2:2019 (CEN/TC 350 2019) and to harmonize the calculation of the standard's indicators.
- ✓ The key differences of the '**Allocation, cut-off, EN15804**' to the previous '**Allocation, cut-off by classification**' system model are (a) the cut-off point between the primary and secondary system, and (b) the calculation of the inventory indicators required in EPDs. These differences mean that for some datasets, the emissions in 3.8 will be different to previous versions.
- ✓ You can read more about our update to Ecoinvent version 3.8 data in our Help Centre article

Tool availability

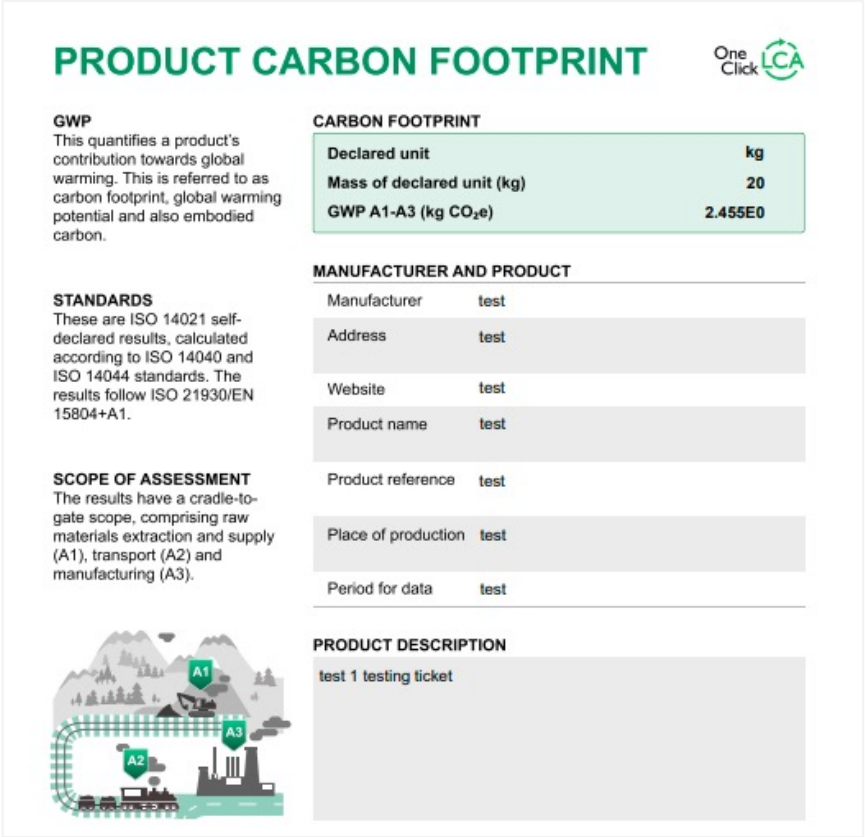
- ✓ This new tool is available in Q1/23
- ✓ You can choose to migrate existing projects to the new tool or switch to the new tool with new projects only
- ✓ Note: All existing EPD tools, incl. EPD Generator for EPD Hub v1 with Ecoinvent 3.6 data, remain also available
- ✓ Contact Customer Support (support@oneclicklca.com) to get help with tool activation and migration

Customer request

Projects results reporting improvements available for the Product Carbon tool

We have introduced some improvements to help you report your findings in the Product Carbon tool.

- ✓ You can download a PDF report with project results (see example to the right)
- ✓ You can add a description for your product which will appear in results reports, incl. the PDF described above



PRODUCT CARBON FOOTPRINT

One Click LCA

GWP
This quantifies a product's contribution towards global warming. This is referred to as carbon footprint, global warming potential and also embodied carbon.

STANDARDS
These are ISO 14021 self-declared results, calculated according to ISO 14040 and ISO 14044 standards. The results follow ISO 21930/EN 15804+A1.

SCOPE OF ASSESSMENT
The results have a cradle-to-gate scope, comprising raw materials extraction and supply (A1), transport (A2) and manufacturing (A3).

CARBON FOOTPRINT

Declared unit	**kg**
Mass of declared unit (kg)	**20**
GWP A1-A3 (kg CO_2e)	**2.455E0**

MANUFACTURER AND PRODUCT

Manufacturer	test
Address	test
Website	test
Product name	test
Product reference	test
Place of production	test
Period for data	test

PRODUCT DESCRIPTION

test 1 testing ticket

Global Data & General Improvements

Customer request

New data to help you calculate embodied carbon more accurately

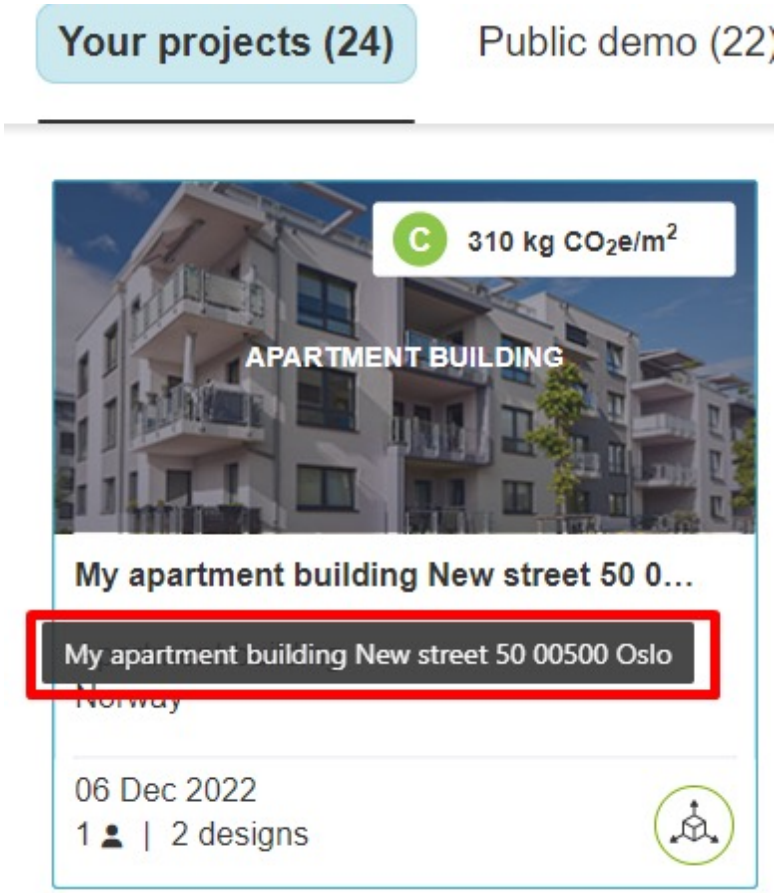
In December, we added around 4000 industry datapoints (EPDs) and made available Ecoinvent 3.8 data with our new EPD Generator for EPD Hub v2 tool.

We also created lots of new generic data, including:

- ✓ Secant wall piling constructions for each depth category (10 m, 15 m, 20 m, 25 m, 30 m) with multiple diameters (750 mm, 900 mm, 1200 mm).
- ✓ 9 new infrastructure constructions as a continuation of the work throughout Q4/2022
- ✓ 7 datapoints for resins and adhesives
- ✓ 2 energy datapoints

Customer request

New main page: view field full value in tooltip



You can now view the full contents of fields that are not fully visible in the UI due to the text being too long simply by hovering your cursor on top of the field in question.

The example to the right illustrates a project name which is not fully visible due to its length, and a tooltip which displays the full name.