



# Release notes March 2023



# Release highlights

## BUILDING & INFRA LCA

- ✓ France RE2020 tool RSEE is +A2 compliant
- ✓ Norway NS3720 tool has +A2 EPDs available
- ✓ Material wastage at construction site inputs available in BREEAM International tool
- ✓ Generic data for furniture, concrete & timber

## PRODUCT LCA & EPD SOFTWARE

- ✓ Generate EPD in FDES+A2 format as required by INIES in France **new**
- ✓ Netherlands national NMD indicators available in EPD Generator for EPD Hub

## EARLY DESIGN & ECODESIGN

- ✓ New CLT wooden structural frames for all regions in Carbon Designer 3D

## GENERAL IMPROVEMENTS

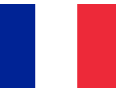
- ✓ One Click LCA has received Cyber Essentials Plus IT security certification

**new** = Completely new tool or major feature



# Building & Infrastructure LCA

# France RE2020 tool RSEE is +A2 compliant



The RSEE in RE2020 tool for France now complies with the latest standard so projects with building permit deposit dates after the deadline on April 8, 2023 can be validated.

The RE2020 tool for France has been updated to comply with the most recent standards for the publication of FDES and PEP (NF EN 15804+A2 & PCR ed. 4).

We have implemented required changes to the RSEE results export file so you can validate your projects with building permit deposit dates after the deadline on April 8, 2023. Note that to validate a project, you must also upload an RSET file based on the latest version of the standard (2022.E3.0.0).

The results page and the RSEE have also been updated to include +A2 impacts, meaning that these automatically include results for both +A1 and +A2 impacts once we complete the ongoing process of adding +A2 enabled INIES data to the RE2020 tool. Note: until you add +A2 data to your project, new +A2 impacts are not visible in the results or the RSEE file but this does not prevent your projects with only +A1 data from being compliant.

Results for projects with only +A1 data will not change when you re-run the calculations, but you must do so in order to see your results on the results page and in the new version of the RSEE export file. Results based the old version of the standard with +A1 data only is still available on the results page, just above the most contributing materials.

Le RSEE de l'outil RE2020 est désormais conforme à la dernière norme afin que les projets dont les dates de dépôt de permis de construire sont postérieures à la date limite du 8 avril 2023 puissent être validés.

L'outil RE2020 a été mis à jour pour être conforme aux dernières normes de publication des FDES et PEP (NF EN 15804+A2 & PCR éd. 4).

Nous avons mis en place les modifications nécessaires au fichier d'exportation des résultats RSEE afin que vous puissiez valider vos projets avec des dates de dépôt de permis de construire après la date limite du 8 avril 2023. Notez que pour valider un projet, vous devez également télécharger un fichier RSET basé sur la dernière version de la norme (2022.E3.0.0).

La page des résultats et le RSEE ont également été mis à jour pour inclure les impacts +A2, ce qui signifie que ceux-ci incluent automatiquement les résultats pour les impacts +A1 et +A2 une fois que nous aurons terminé le processus en cours d'ajout des données INIES standardisées +A2 à l'outil RE2020. Remarque : jusqu'à ce que vous ajoutiez des données +A2 à votre projet, les nouveaux impacts +A2 ne seront pas visibles dans les résultats ou le fichier RSEE mais cela n'empêche pas vos projets avec uniquement des données +A1 d'être conformes.

Les résultats des projets avec uniquement des données +A1 ne changeront pas lorsque vous relancerez les calculs, mais vous devez le faire pour voir vos résultats sur la page des résultats et dans la nouvelle version du fichier d'exportation RSEE. Les résultats basés sur l'ancienne version de la norme avec des données +A1 uniquement sont toujours disponibles sur la page des résultats, juste au-dessus des matériaux les plus contributeurs.

# Norway NS3720 tool has +A2 EPDs available



**The tool for carbon footprint calculations in Norway according to NS 3720 now supports EPDs compliant with the EN 15804 +A2 standard.**

With this change, the main results summary has been updated to display the results of both +A1 and +A2 data used in the calculations. Biogenic carbon and Global Warming Potential LULUC continue to be reported separately.

Results based the old version of the standard with +A1 data only is still available on the results page, just below the main summary.

# Material wastage at construction site inputs available in BREEAM International tool

You can now easily enter the wastage share for building materials in the BREEAM International tool.

Resource ↕	Quantity ↕	CO <sub>2</sub> e ↕	Comment ↕	Mat 01 element ?	Transport, kilometers ? ↕	Wastage ?
Steel pipes for heating and cooling ?	100 kg	0,55t - 0,3%		Upper floors (including	370 Large delivery truck, 9	6 %
Polyurethane insulation spray foam, ?	1 m <sup>2</sup> x 130 mm	15kg - ~0%		Upper floors (including	430 Trailer combination, 40	4 %

When you add any new material, the value for wastage at construction site is now automatically set.

In your existing projects with the BREEAM International tool, in most cases the wastage share has been set to zero for all materials. However, if the same project has been used with another calculation tool where material wastage shares have already been defined, then those wastage values have been automatically copied and are now available also in the BREEAM International tool.

This update has been agreed upon with BRE.

# New data to help you calculate more accurately

We have added more than 400 industry datapoints (EPDs) and updated another 50. You can check the details in our Help Centre [here](#).

We also created lots of new generic data (full details in our Help Centre [article](#)):

- ✓ **18 new furniture resources:** cabinets, chairs, tables, desks etc.
- ✓ **5 new ready-mix concrete resources:** C16/20 (2320/2900 PSI), C30/37 (4400/5400 PSI)
- ✓ **2 new timber resources:** Cross laminated timber (CLT), and Glue laminated timber (Glulam)

Cross laminated timber (CLT) and Glue laminated timber (Glulam) datapoints have also been added to a range of constructions for different building elements, including external and internal walls (CLT), slabs (CLT), stairs and elevator shaft (CLT), columns and beams (Glulam).

New data is not available in all tools as some certifications and regulations impose limitations.

# Improved usability in plugin for Autodesk Revit

You can now access and handle materials data more easily in the Autodesk Revit plugin.

Key updates in the new version (4.0.5) of the One Click LCA plugin for Autodesk Revit:

- ✓ Improved handling of Autodesk DirectShape elements to ensure that quantities of those elements are always included in the bill of materials (BoM) that the plugin generates. Note: Autodesk DirectShape is an element that supports the ability to store externally created geometric shapes in a Revit document and you can read more about it in Autodesk's Help Centre [here](#).
- ✓ Edited settings for Families and Types (e.g. unit selection, split settings) are now taken directly into account also for newly added resources in the 3D model. This is relevant when you make edits in your design while the plugin is open and you refresh the material list in the plugin.
- ✓ The LCA database is now automatically updated when you install the plugin for the first time. In addition, the LCA database in the plugin is automatically updated every 15 days, or the next time you open the plugin, to ensure that you always have access to most recent LCA data.
- ✓ The LCA database in the plugin has been updated to include only relevant material data and constructions. Other resources have been removed.





# Early design & Ecodesign

# New CLT wooden structural frames for all regions in Carbon Designer 3D

You can now create early building designs with Carbon Designer 3D using load-bearing structural frames based on Cross-Laminated Timber (CLT).

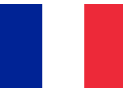
This load-bearing wall frame is available in all regions but most appropriate for regions with no or low seismicity.

These frames are automatically available to all users with a subscription for the Carbon Designer 3D add-on. Please contact [sales@oneclicklca.com](mailto:sales@oneclicklca.com) to activate your subscription.



# Product LCA & EPD Software

# Generate EPDs in FDES+A2 format as required by INIES in France



**You can now easily generate your EPD in the FDES+A2 format required by INIES in France.**

You can now download the FDES report compliant with the new NF EN 15804+A2/CN standard in the EPD Generator for EPD Hub (version 2).

With this updated report, you can continue publishing your EPDs with INIES as the old NF EN 15804/CN becomes obsolete.

# Netherlands national NMD indicators available in EPD Generator for EPD Hub



**You can now easily generate your EPD using national NMD indicators as required in the Netherlands.**

The national, complementary impact indicators for NMD are available in the EPD Generator for EPD Hub (version 2).

Results contain LCIA methods from set 1 of the Bepalingsmethode 1.1 and include calculation of the shadow price.



# General Improvements

# Cyber Essentials Plus IT security certification

**One Click LCA has completed the Cyber Essentials Plus certification.**

The certificate provides a standardised framework to protect against a wide variety of the most common cyber attacks. It also includes hands-on technical verification carried out by a certified third party.

You can check our official digital certificate [here](#).

This is the third party verified version of the Cyber Essentials certificate we announced in the February release notes.

## What is Cyber Essentials Plus?

Cyber Essentials is an effective scheme backed by the UK government that helps organisations protect themselves, whatever their size, against a whole range of the most common cyber attacks.

You can find out more and apply for your own security certification on the UK National Cyber Security Centre [website](#).

