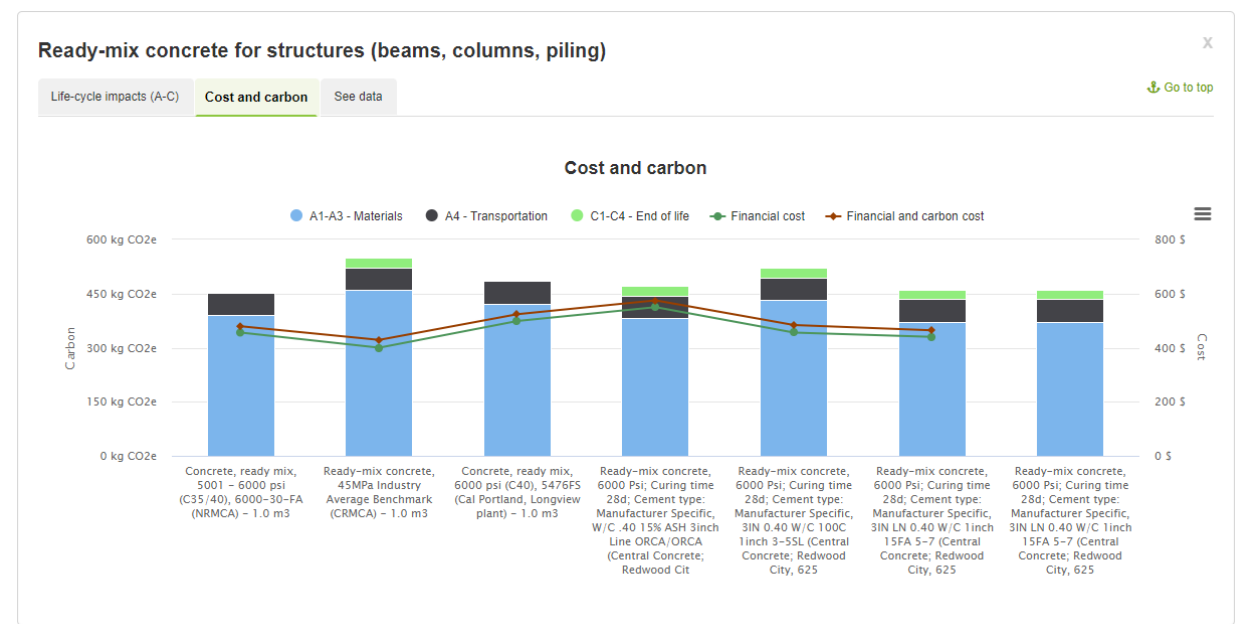


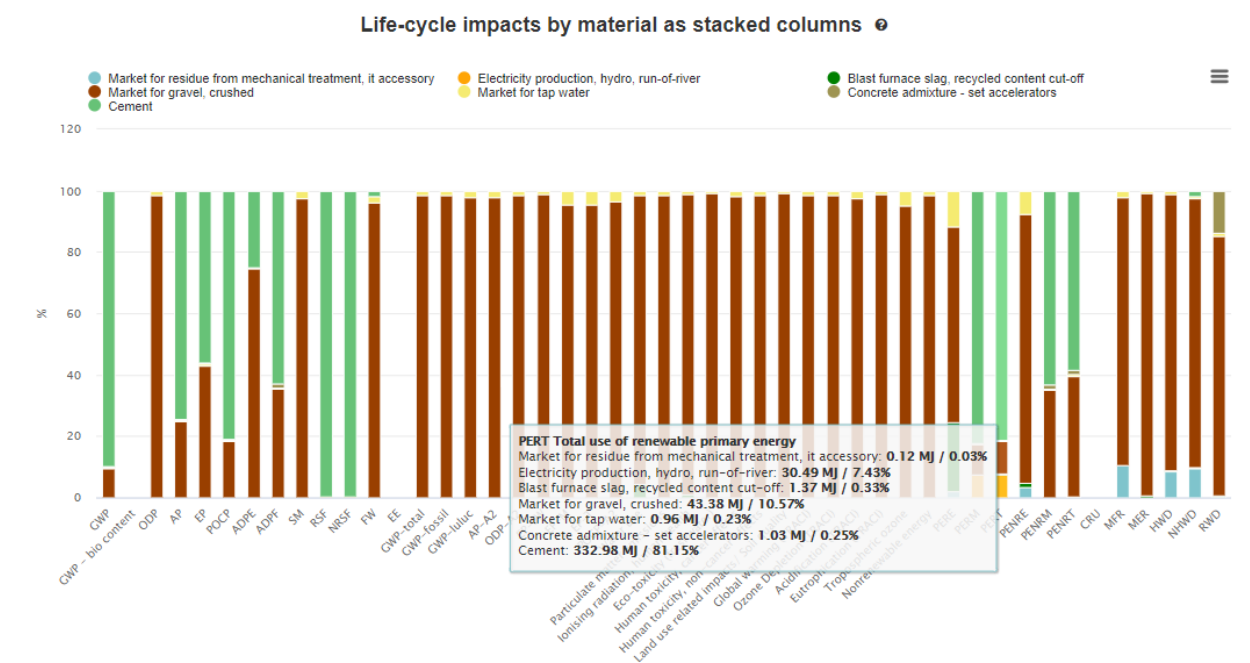
One Click LCA December 2020 release notes

Release notes 14 December 2020



▼ **Graphs** Classifications: Change impact category

Overview Bubble Sankey Treemap Life-cycle stages Spidergram Stages - stacked **Materials - stacked** Classifications All graphs



December 2020 release highlights



All users:

- ✓ New materials data card design and functionality for better access to information
- ✓ Tabulated graphs in Results page for faster review

Building LCA tool users:

- ✓ Significant updates in manufacturing localization v2 beta method for higher accuracy
- ✓ Advanced material comparison updates
- ✓ For UK users, multiple RICS/GLA updates

Product LCA/EPD tool users:

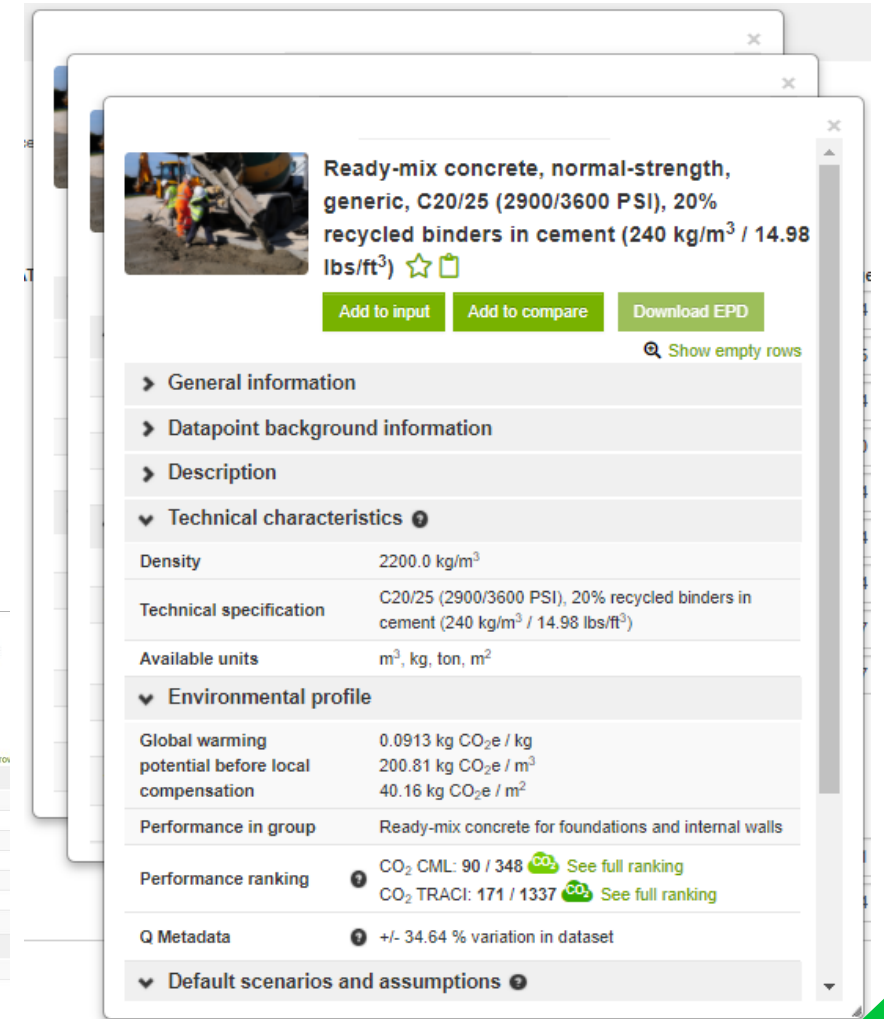
- ✓ Users can store own brand and EPD visuals in their company account and use them to create EPDs
- ✓ Branded constructions can be published for manufacturer specific systems (publishing happens via Bionova)
- ✓ New EPD graph with contribution by resource

New data card design and functionality



Updates include:

- ✓ Data cards can be moved and resized
- ✓ Multiple data cards can be open at once for easy comparisons
- ✓ Updated content to save time from searching in the EPD and the software
- ✓ Expandable sections
- ✓ EPD thumbnail resizes when user hovers over



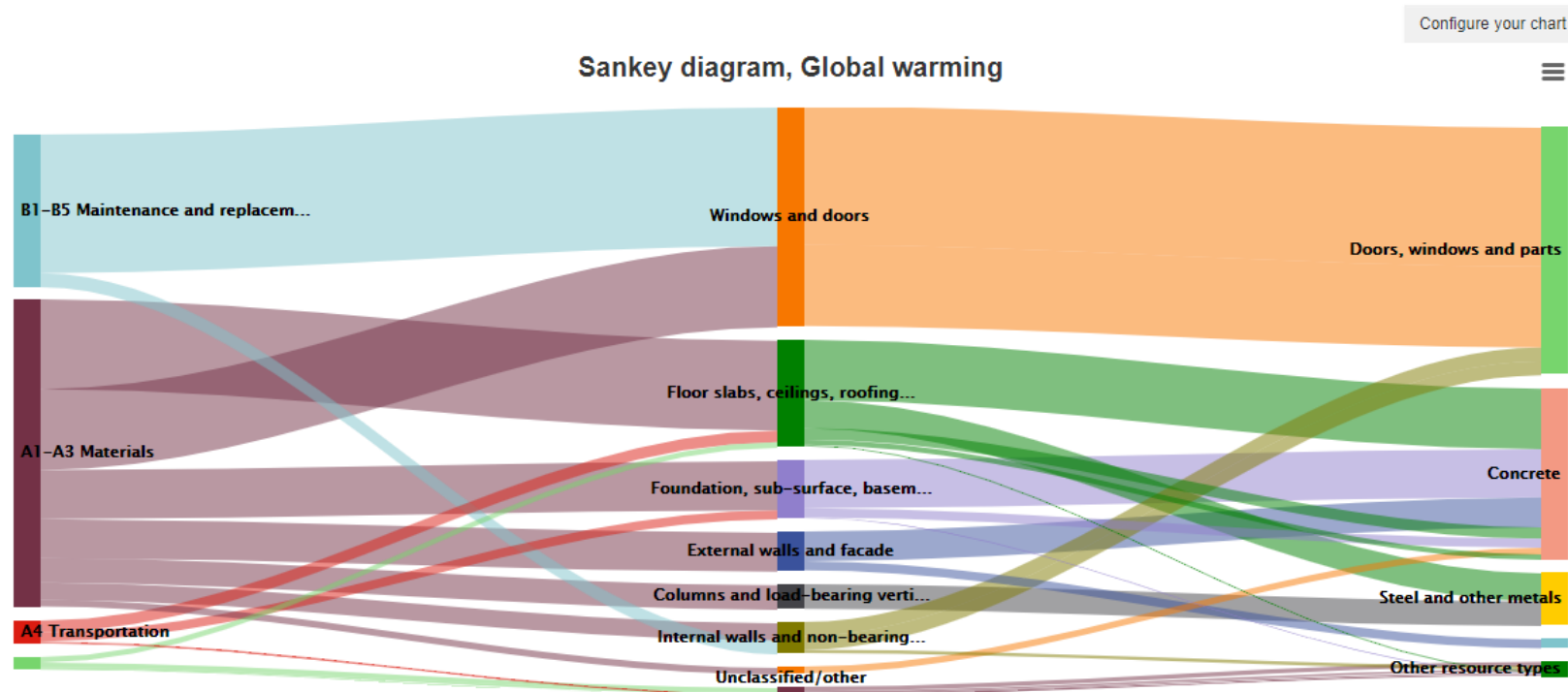
Graphs in Result page are now tabulated for quicker browsing



› Most contributing materials (Global warming)

▼ Graphs Classifications: Omniclass Change impact category

Overview Bubble **Sankey** Treemap Life-cycle stages Annual Spidergram Stages - stacked Classifications All graphs ⓘ



Plan Availability

✓ STARTER

✓ BUSINESS

✓ EXPERT

Material manufacturing localization v2 beta method has been updated



NOTE: projects that used v2 beta method will see changes in results in case of recalculation or updates. Projects using the v1 method will see no changes.

This helps simulate local environmental profiles in absence of specific ones. Following improvements:

- ✓ Electricity intensity of products is now calibrated for mass of products for all product categories. This leads to higher accuracy for products groups with differences in densities and thicknesses
- ✓ New over-calibration protection with minimum and maximum thresholds to prevent unrealistic values for materials with untypical properties. When limits are exceeded, the method will not apply
- ✓ Method is disabled for categories that have high diversity in raw materials and manufacturing processes to avoid inconsistent results. This includes building technology, building chemicals and other products.

More information on the manufacturing localization method can be accessed [here](#)



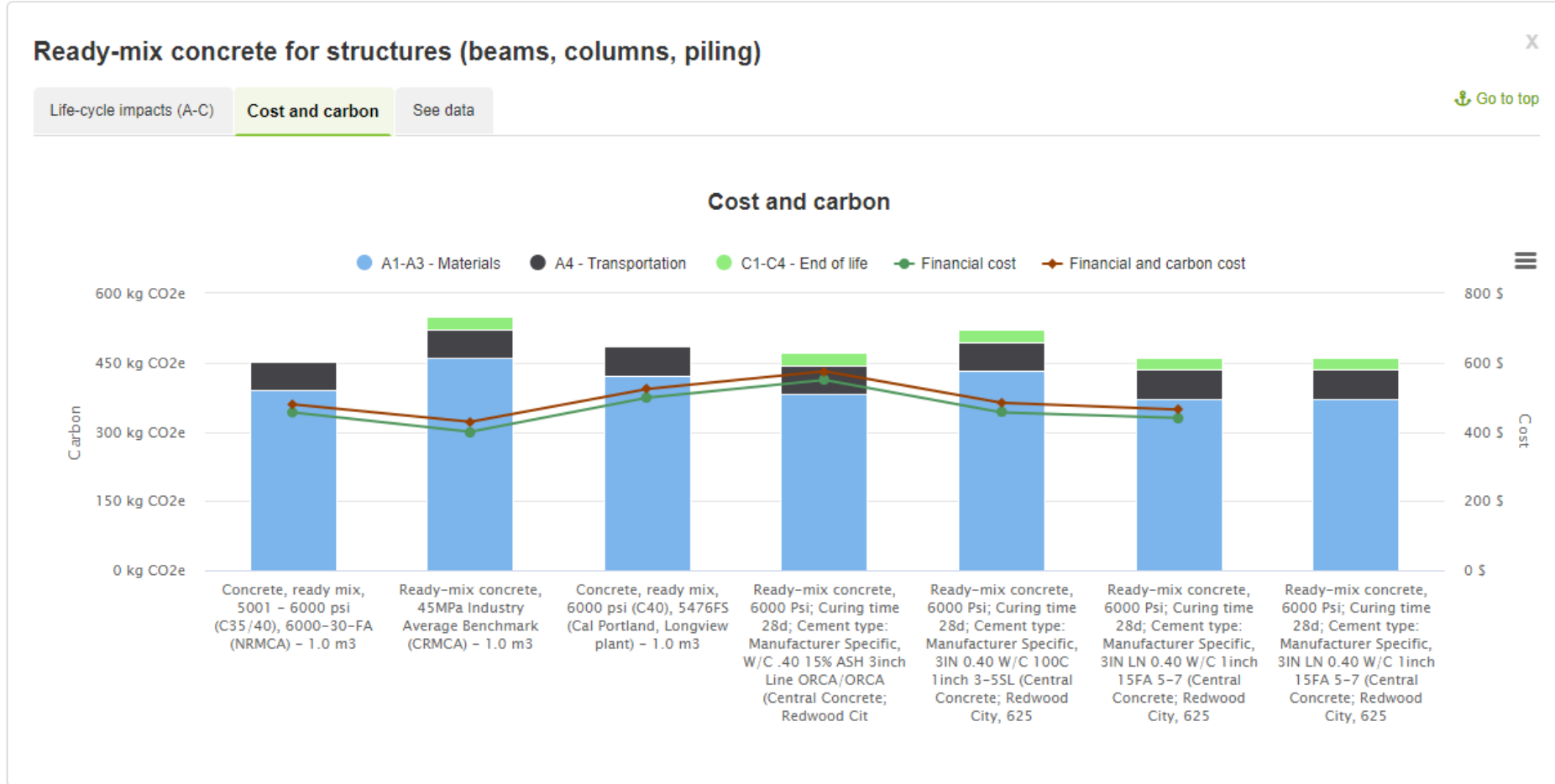
Plan Availability

✓ STARTER

✓ BUSINESS

✓ EXPERT

Advanced material comparison enables now simultaneous cost and carbon cost comparison



Plan Availability

STARTER

BUSINESS

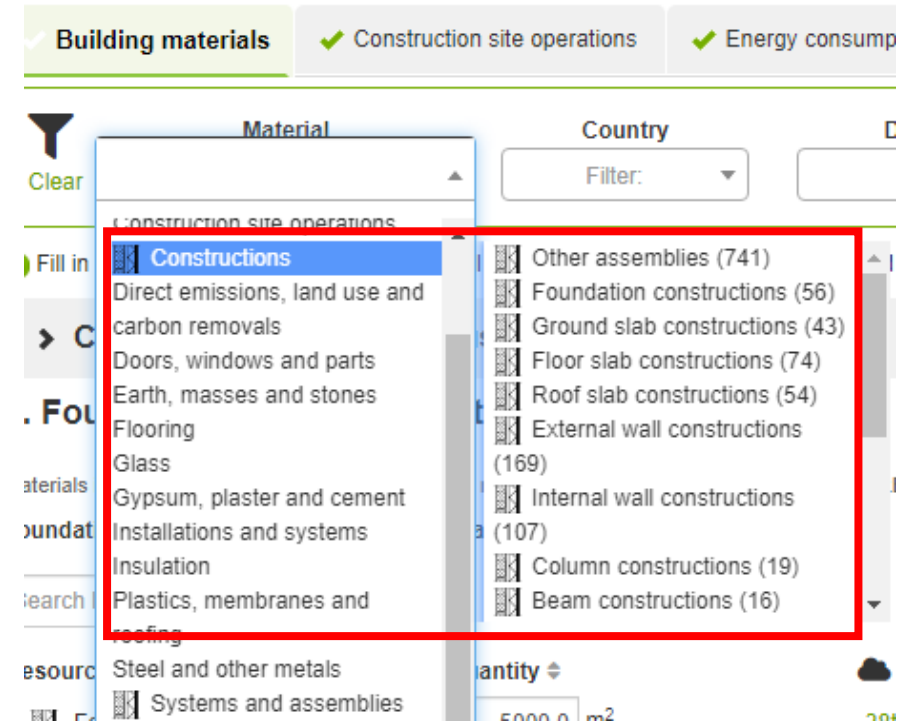
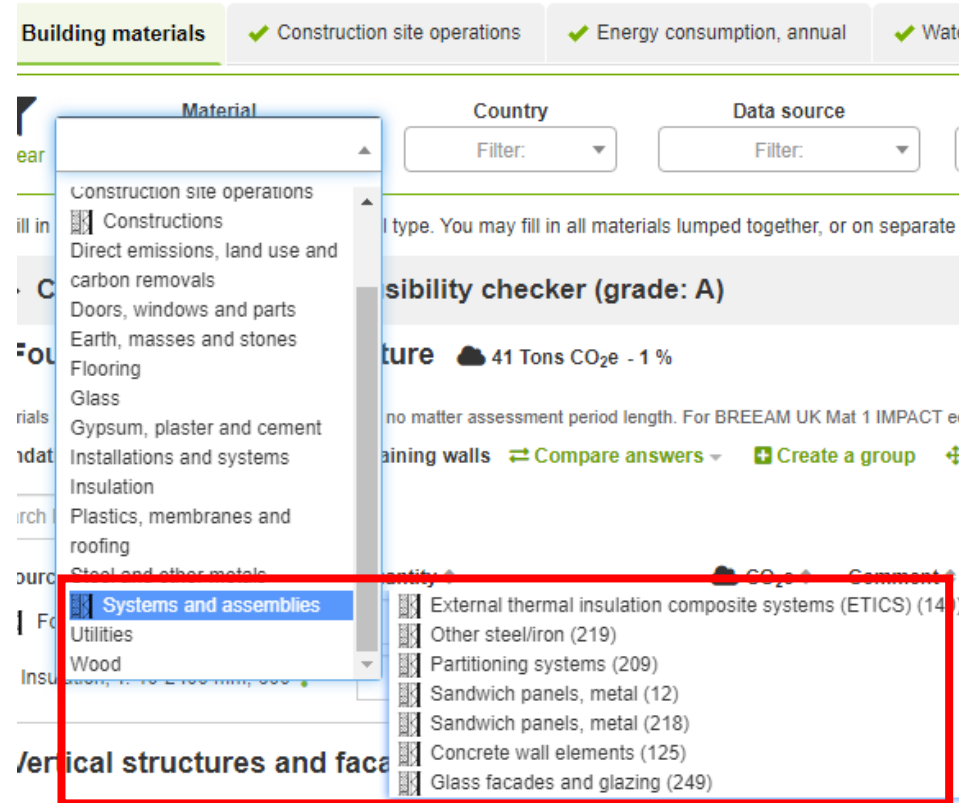
✓ EXPERT

CUSTOMER REQUEST!

New category for “Systems and assemblies”. All composite products now identifiable with an icon



Data in these categories can be appropriate e.g. in early design phase, as well as when importing less detailed BIM models, where only the areas are well defined.



Plan Availability

✓ STARTER

✓ BUSINESS

✓ EXPERT

Several RICS - GLA tool updates for UK users



New scenarios under LCA Parameters matching RICS default scenarios:

- ✓ Product service life scenarios matching RICS defaults available
- ✓ Product transportation scenarios (stage A4) including distances & transportation means
- ✓ Ability to add second transportation leg for stage A4 when required
- ✓ Editable calculation period

Further updates planned before end of the year:

- ✓ Result report restructuring to meet easily RICS / GLA reporting requirements
- ✓ Regulated / Unregulated energy consumption separation in Results
- ✓ Stage B2 (Maintenance) modelling possibility
- ✓ Ability to classify B1/B2 inputs according to RICS classifications
- ✓ End-of-Life scenario to be exported in detailed results, when user-adjustable methods are selected in project parameters
- ✓ Mass inclusion in detailed report

CUSTOMER
REQUEST!

Company account is tabulated and allows storing brand and EPD visuals to use in EPD generation



These visuals speed up creation of new EPDs; you can create a library of product and manufacturing diagrams to use

A screenshot of the One Click LCA web application interface. The page title is "Bionova Ltd company account" and the active tab is "Brand and EPD visuals". The interface includes an "Upload Image" section with a text input for "Image / Brand name", a "Choose File" button, and radio buttons for "Image style" (Boxed image, Full page image) and "Image type" (Product Image, Manufacturing diagram, Brand Image). Below this is a table showing the number of images in each category: Product Images (2/20), Manufacturing diagrams (2/20), and Brand Images (4/20). A search bar is present above a table with columns for "Default", "Brand name", and "Image". One image is visible, showing the One Click LCA logo, with "Set as default" and "Delete" buttons.



Plan Availability

✓ STARTER

✓ BUSINESS

✓ EXPERT

CUSTOMER REQUEST!

Manufacturers can publish branded constructions (assemblies) via our team



We review and publish branded constructions for all One Click LCA building tool users to use in their projects.

They can be used to highlight an innovative solution, for example

Building materials | Construction site operations | Energy consumption, annual | Water consumption, annual | Calculation period | Emissions and removals | Building area

Material Filter: Country Filter: Data source Filter: Type Filter: Upstream Filter: CO2e Filter: Unit Filter: Prop

Fill in the material consumptions by material type. You may fill in all materials lumped together, or on separate rows for example by type of

Completeness (-) and plausibility checker (grade: A)

1. Foundations and substructure 336 Tons CO₂e - 24 %

Materials in the foundations will never be replaced, no matter assessment period length. For BREEAM UK Mat 1 IMPACT equivalent provide the data for s

Foundation, sub-surface, basement and retaining walls Compare answers Create a group Move materials Add t

Brick sandwich wall assembly, incl. mineral wool insulation (One Click LCA)

REGIONAL GENERIC DATA (1) - Use when no suitable local data available or manufacturer has no specific data

Brick sandwich wall assembly, incl. mineral wool insulation (One Click LCA) - One Click LCA									
Reinforcement steel (rebar), generi ?	15750.0	kg			11t - 0,8%				
EPS Insulation, T: 10-2400 mm, 6 ?	148.0	m2	x	200	mm	1,3t - 0,1%			
Bitumen sheets for waterproofing of ?	3168.0	m2	x	5	mm	56t - 4%	Waterproofing for undergrou		
Concrete (Norwegian low-carbon), B4 ?	3168.0	m2	x	90	mm	109t - 8%			
EPS Insulation, T: 10-2400 mm, 6 ?	3168.0	m2	x	190	mm	27t - 2%	Lambda = 0.031 W/mK, 16		
Concrete (Norwegian low-carbon), B4 ?	3168.0	m2	x	80	mm	97t - 7%			
CLT structural elements, beams, sla ?		m3							
Cross laminated timber (CLT), pine ?		m3							
Asphalt roadway coating, 35 mm (OFF ?		m3							
Asphalt, generic, compacted, 5/95% ?		m3							

One Click LCA ?

Brick sandwich wall assembly, incl. mineral wool insulation (One Click LCA) ☆

Add to input Download EPD

Show empty rows

General information

Country Europe

Manufacturer One Click LCA

Material type External wall constructions

Material group construction

Datapoint background information

Technical characteristics

Environmental profile

Default scenarios and assumptions

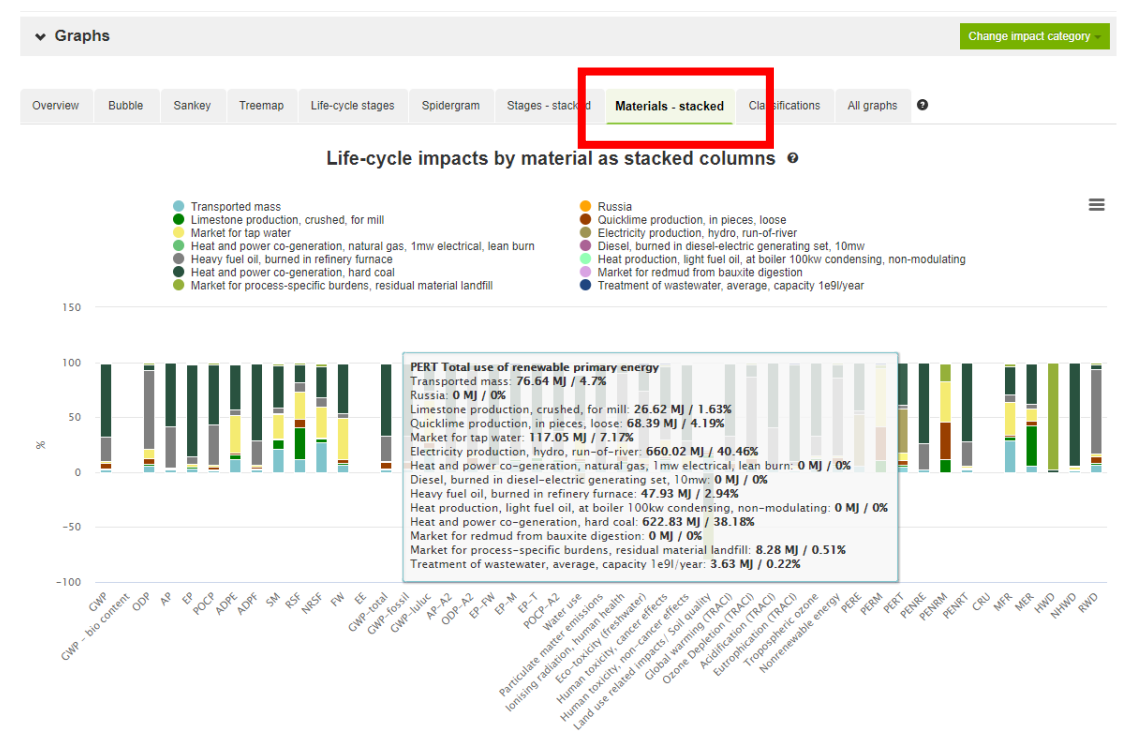
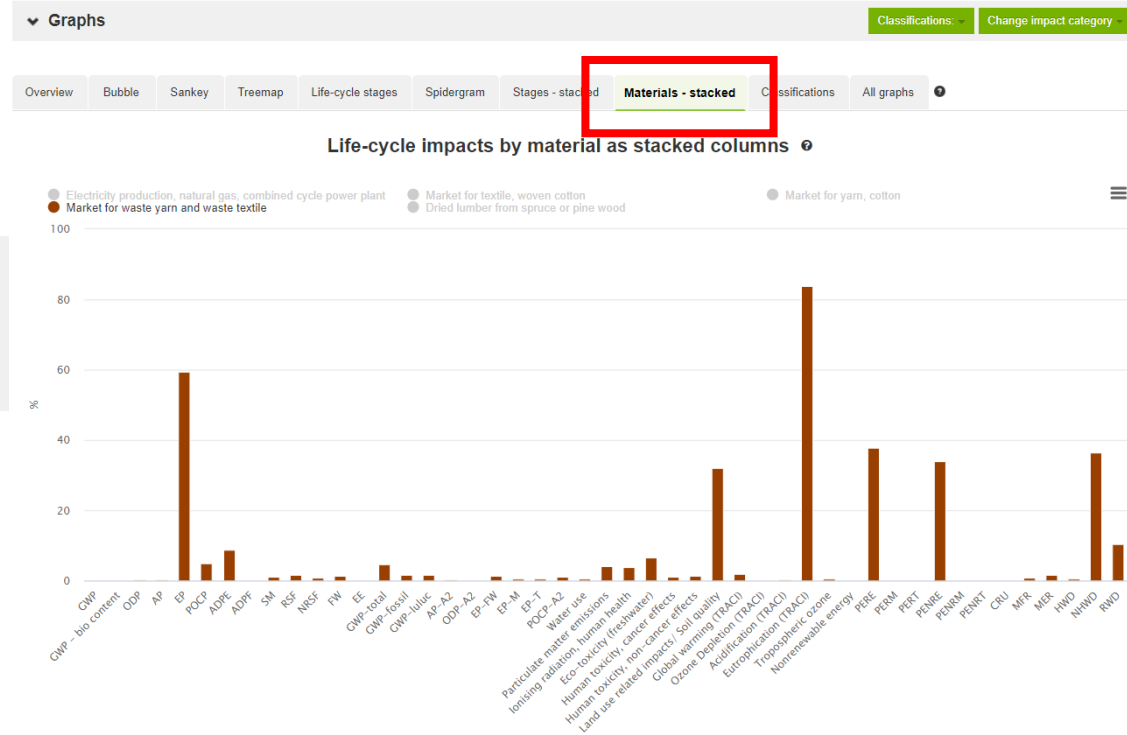
Others

CUSTOMER REQUEST!

New graph with impact contribution by resource – initially in the EPD tools



Possibility to filter and see results only for desired resources



When more than 15 resources are present, resources with less than 5-10% impacts in any impact category are grouped together as Other

CUSTOMER REQUEST!

Other updates



All users (various license levels):

- ✓ More detailed info on Verification status in Data card. More info about data quality in this [article](#)
- ✓ You can duplicate your private constructions. Creates copy and brings you to edit page (Expert license)
- ✓ Also Business level users can now accept private data sent to them and use them in their projects. Still only Expert users can create new datasets using their self-generated LCA results
- ✓ Multiple graph improvements including adding hoverover tooltips in graphs, defining missing units in axes and improved visualizations with custom classification
- ✓ Private classifications can be exported & imported (Expert license)
- ✓ Other improvements

EPD tool users

- ✓ Improvements in report generation functionality; including ability to inject automatically graphs and images into the EPD and background report

All infrastructure LCA tools now enable the following (Expert license):

- ✓ Using Private custom classifications
- ✓ Using “Send me data” feature

CUSTOMER
REQUEST!