

Madaster Release notes

Made for Madaster users Date

20 February 2023

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1 Releases

Release	Build number	Release date
2023.1	19365	16 February 2023



2 New or changed functionalities

2.1 New material passport options and design

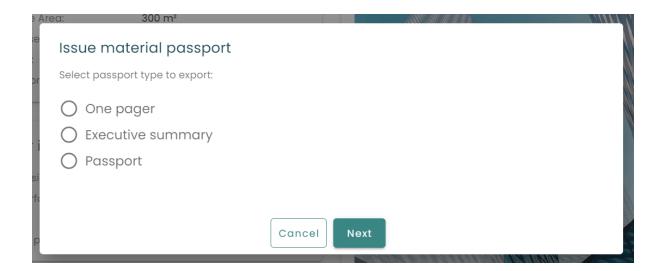
In this release, the material passports have been redesigned. They have a different look and feel as well as new options. There are different types of passports now: the one-pager, an executive summary and a (full) passport that can include a technical annex with the base data in an excel file. Apart from that it is now possible to preset what data can be included in the passport, such as the Madaster Circularity Index or any of the environmental KPI's.

2.1.1 Issuing and generating a passport

The option to generate passports from a folder has been removed; this can now only be done from the building.



Once selected, this will open a pop-up from which it is possible to choose the type of passport to be generated for this building.



Regardless of the type, once the passport setup has been chosen a message is shown that the passport is being generated.





And as soon as it is ready a user notification is shown.

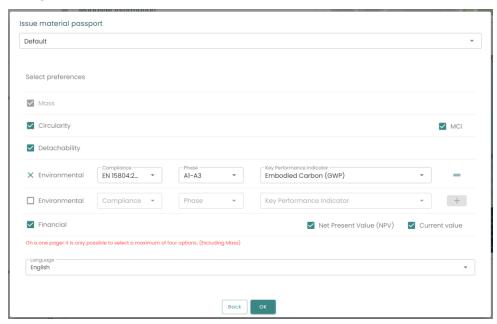


1: the notification which will appear on the top right when a passport is ready. Clicking the 'x' will remove the notification, clicking the arrow will open the dossier where the passport is located.

Which means it is available in the dossier of the building. Note that if data is unavailable for a chosen KPI or for a default field it will not appear in the passport.

2.1.2 One pager

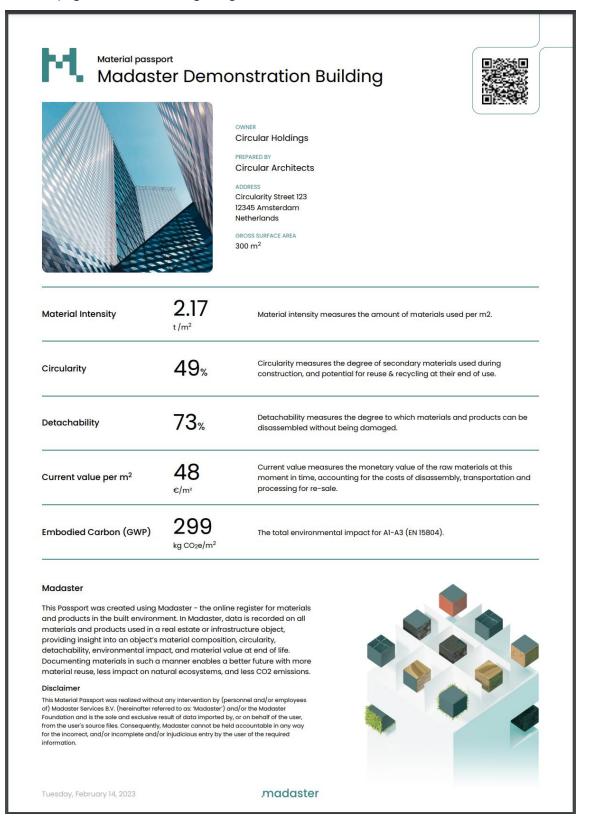
The one pager passport is meant to give a concise overview of the building without too much additional insights. It can include only few items, since it needs to fit on one page. Therefore only a maximum of 5 KPI's can be included. Mass will always be included, which leaves 4 more options for configuration.



2: the one pager screen with too many KPI's selected



The one pager has the following design:

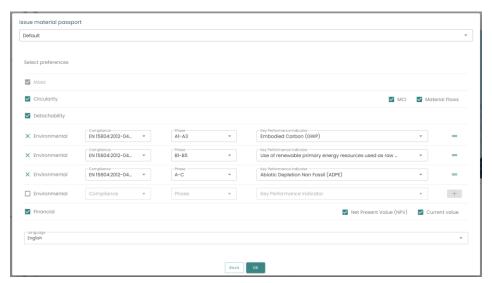


3: an example of the one pager passport. Only known data is shown. Elements like the building picture or the owner are included by default, the KPI's be chosen apart from mass – which is mandatory.



2.1.3 Executive summary passport

The executive summary is meant to give a lot more information than the one pager. It does not have a set maximum for the KPI's to be included.

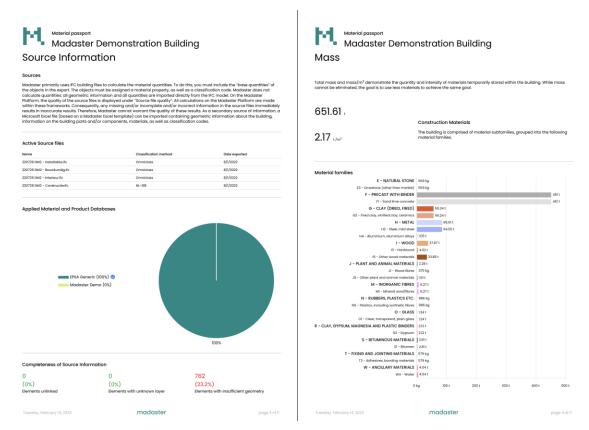


But also in general it contains more detailed information.



4: In the executive summary a lot more general information from the building is shown - if available

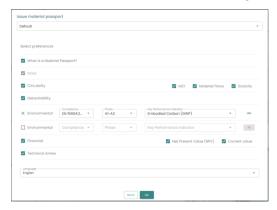




5: Source information like the classification method for the source files or the used databases is summarized. Each KPI, in this case the mass, is provided with insightful charts.

2.1.4 Full passport and the technical annex

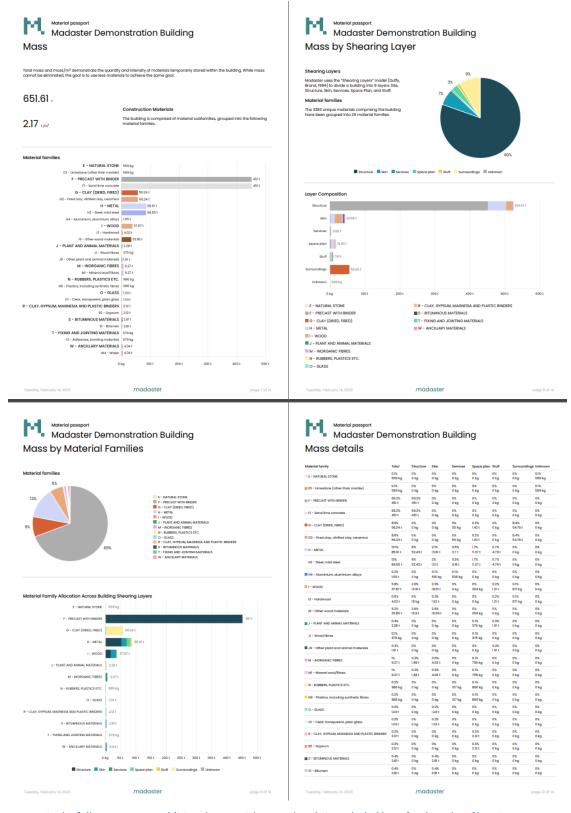
The (full) passport is the most extensive passport option. It shows a lot more of the underlying data and it also has the option to include a technical annex, which is a separate excel export of the products and/or materials per shearing layer.



6: the configuration options for the full passport. It is possible to exclude the explanation about a material passport and to also generate the technical annex. Scarcity is also an additional option for the full passport, but is only available together with material flows.



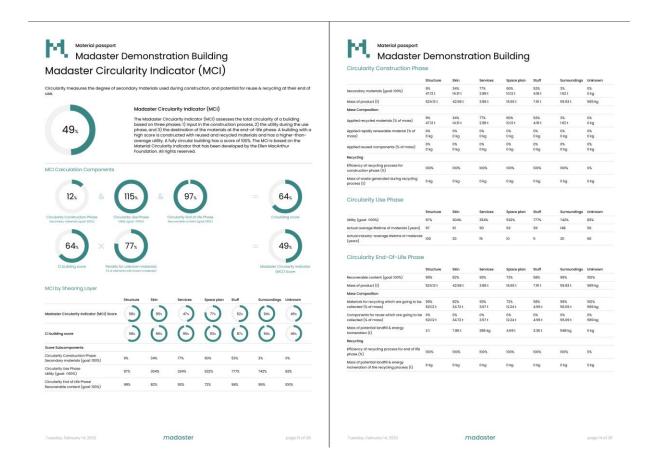
An example is the mass, where it is clear from the screenshot from an example passport that it contains more detailed information about what it is and where it is located.



7: Mass in the full passport. An additional page with mass details is excluded here for the sake of brevity



Another KPI, circularity, in the full passport contains not just the MCI, but also information about how it is calculated, as well as circularity by either shearing layer or phase.



When one has opted for also generating the technical annex a separate excel file will be placed in the dossier of the building. This annex will be filled with the materials or products divided in separate sheets for each shearing layer. The columns for each product/material are dependent on which KPI's have been chosen for the passport.

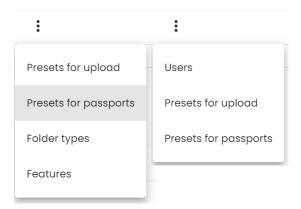


8: two different excel annexes from the same building with differently chosen KPI's



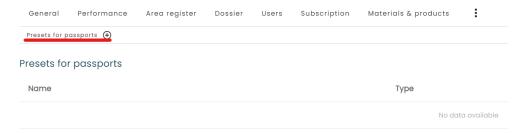
2.1.5 Passport presets

Since it is now possible to select the data you want to include in the passport, functionality has been added to preset your own default KPI's. This can only be done by the Madaster administrator. The presets are available on account, folder and building level. Normally only the presets at the account level are available, but it is possible to break this inheritance in case the presets at a lower level should be different.

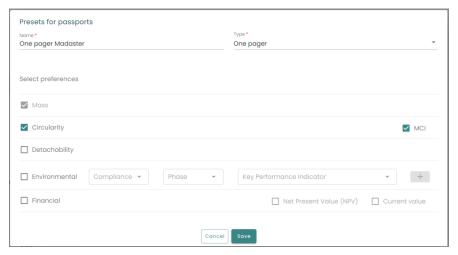


9: presets for passports can be picked at the three vertical dots on accounts, folders or buildings

In this screen it is possible to add a new preset

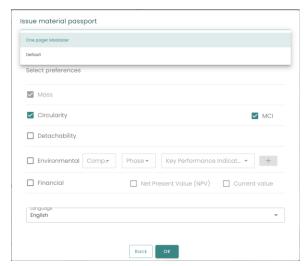


Once clicked a new popup will open where it is possible to define this new preset. All the options for the KPI's you have on the regular passport screen can be filled in here as well as a name for your preset and of course for which passport type it is.



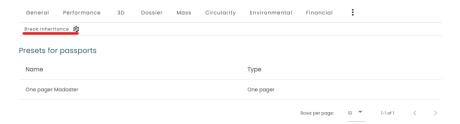


This new preset will then be an option when you generate a new passport of that type



10: Options at the top of the screen for generating a passport. "Default" is the default from the Madaster platform.

Now, to have different presets on for example the building level it is possible to break the inheritance



This will make a copy of the current presets, but they can be edited or deleted



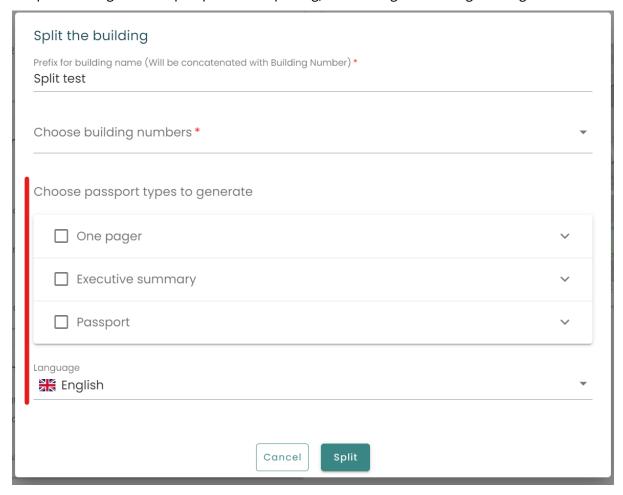
It is also possible to restore the inheritance. This will, however, delete the presets on this level.





2.1.6 Generate passport options when splitting, transferring or archiving

It is possible to generate a passport when splitting, transferring or archiving buildings





2.2 Other changes

2.2.1 New feature: 3D insights on circularity and environmental tabs of a building

A new feature has been added to the platform, which when bought will give 3D insights on circularity and environmental information of the materials/products of a building.

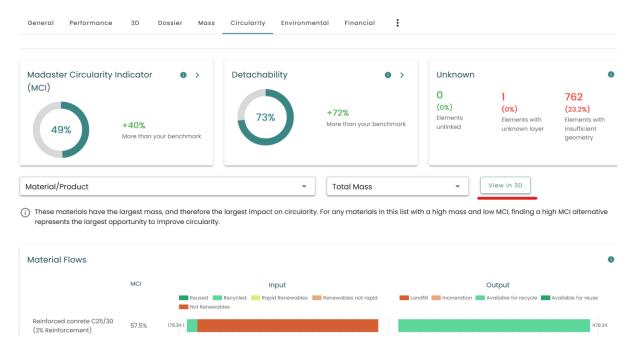


Figure 11: in the circularity and environmental tabs it is now possible to view the materials/products in the 3D model by using this button

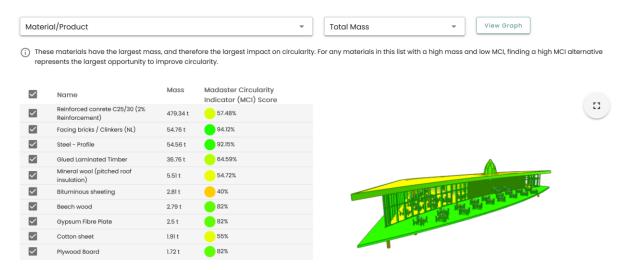
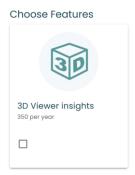


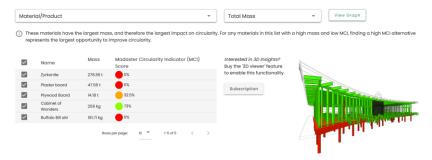
Figure 12: when using the 3D button the graph will change to the 3D model where it is also possible to select certain materials or products. With the view graph button it will switch back to the graph.



The 3D insights can be bought from the subscription tab on the account.



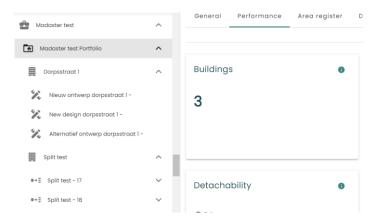
When the feature is not active a preview is shown when clicking the 'view in 3D button' in the circularity or environmental tabs.



2.2.2 Designs, archived and split buildings in the performance tab and area register

For the calculations on the performance tab on folder, account level or in the area register, and also for which buildings are shown in the area register a number of objects are excluded:

- Designs of buildings
- Archives of buildings
- If a building is split: the original

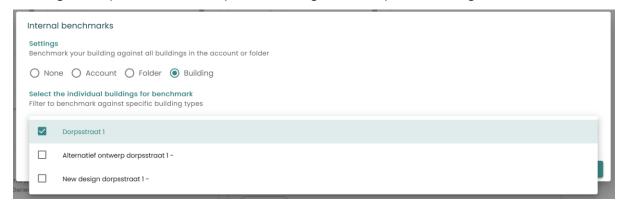


13: Two buildings, one of them is split, results in 3 buildings in the performance tab and for calculations and in the area register.



2.2.3 Changes to benchmarking on the performance tab of a design or archive

It is now possible to change your benchmark settings in the performance tab on a design or archived building to compare it with other specific buildings, for example other designs:



This selection is visible on the performance tab itself



2.2.4 Changes to the calculations for LCA stage B4 (use stage: replacement)

The lifespan of a product connected to a building is now taken into account in relation to the lifespan of the whole building. This means that if a product is expected to be replaced four times during the lifespan of the building this is taken into account for the calculations in the replacement use stage.



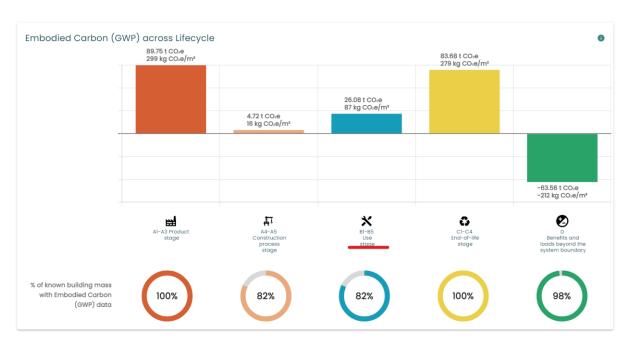


Figure 14: a building with an expected lifespan of 60 years

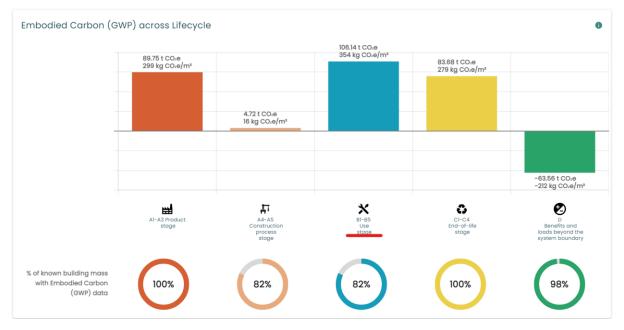


Figure 15: the same building as in figure 12; but now with an expected lifespan of 120 years

2.2.5 Additional information at the MCI detail view

When clicking on the MCI details two new columns have been added:

- The penalty for unknown materials
- Madaster Circularity Indicator (MCI) Score



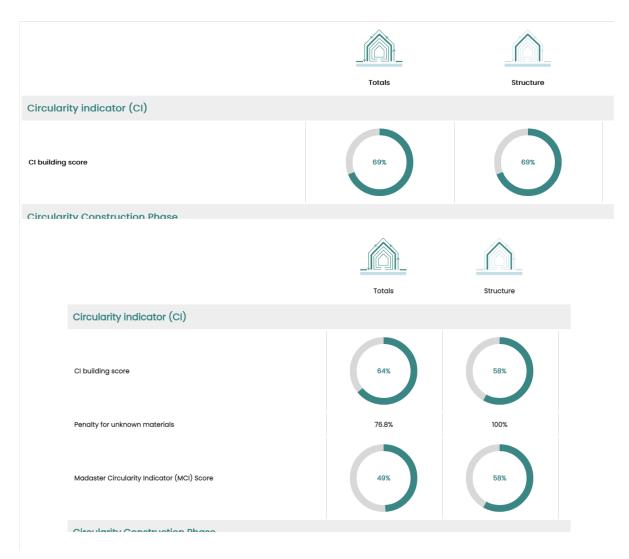


Figure 16: on top how it was, on the bottom what it is now.

2.2.6 Split building can now be activated

The split building feature used to be only accessible through invitation, this has been changed

2.2.7 "See more" at database information

To indicate that there is more text a '...see more' has been added to the database information field



Database information The EPEA Generic database enables country-specific, full-building calculations regarding material composition (mass), circularity, and embodied carbon (kg CO2e). The database, which is expert-rev ...see more

2.2.8 Billing information shown when modifying a subscription

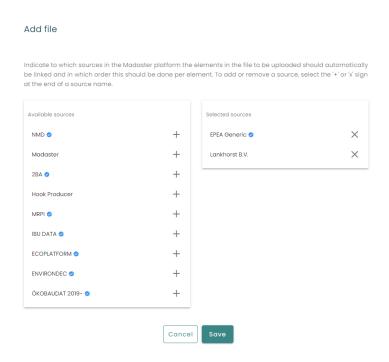
When a subscription is modified, the current known billing information is shown:

Billing Information

2.2.9 Database selection when uploading files for a building

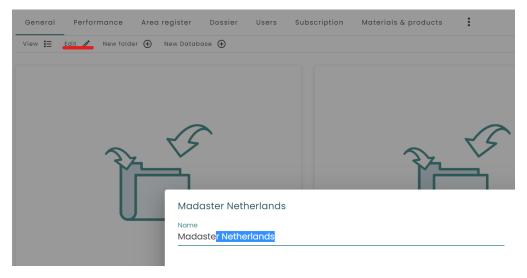
The EPEA generic database is now the default when uploading a file for a building. We've removed the blue checkmark for the Madaster database.





2.2.10 Possibility to change the name of the account

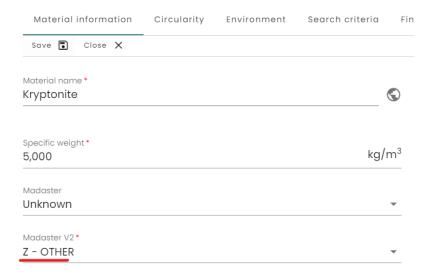
It is now possible to change the name of an account in Madaster by using the edit button in the general tab of an account. This will only change the name in the platform, so not for billing or other purposes.



2.2.11 Additional Madaster V2 classification

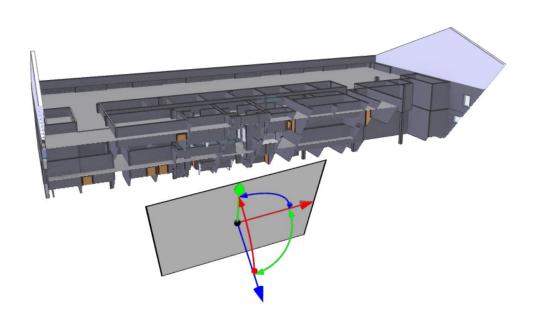
There is now an additional option for the Madaster V2 classification when adding or editing a material in a database and when enriching.





2.2.12 Slice a 3D model

In the 3D viewer of a building it is now possible to slice it.







2.2.13 The 'bill of materials' for circularity is unchecked by default

If you would add a product to a database in Madaster the default was to use the bill of materials for the circularity data, this has been changed.

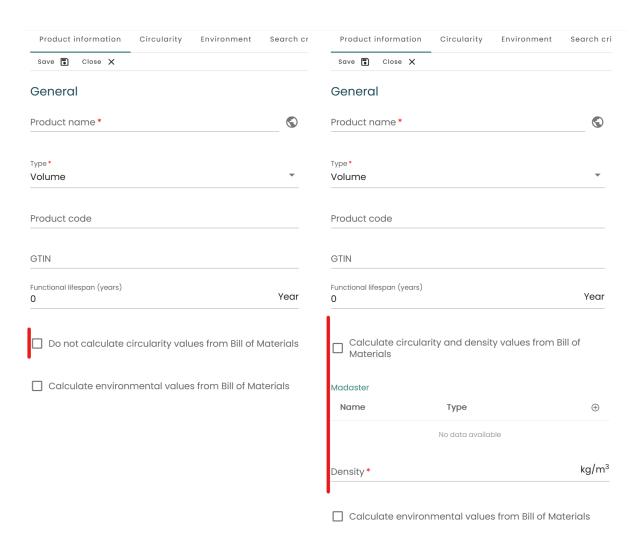


Figure 17: on the left the old situation, on the right the new one

2.2.14 Color changes in the charts

A number of charts have been given different colors in line with our new design which was introduced not long ago.





Figure 18: on the left the old color scheme and on the right the new one. One of many charts that have changed colors.

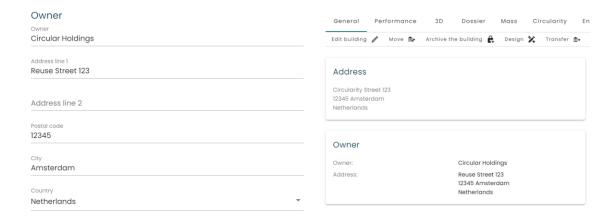
2.2.15 Changes on building and folder type fields

• The manual or indicative MPG score is now shown in €/m2.jr instead of €/m2



• There are new fields for the owner on a building





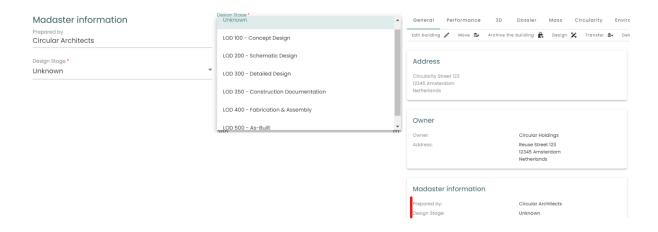
19: The new owner fields. Left how they are when editing a building, on the right what they look like in the general tab of the building

• Because of the addition of the owner field on the building the fields 'specify owner in passport' and 'owner label in passport' have been removed from folder type.

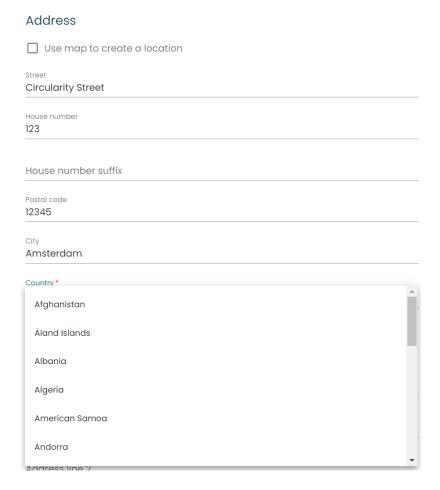


• Fields for 'prepared by' and 'design stage' have been added. The design stage is filled using the level of detail (LOD).



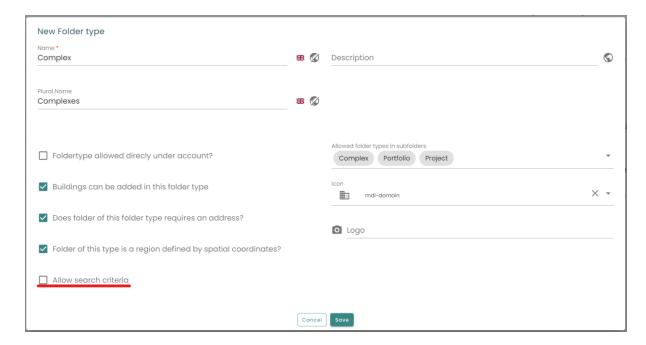


• It is now possible to choose any country at the address for a building



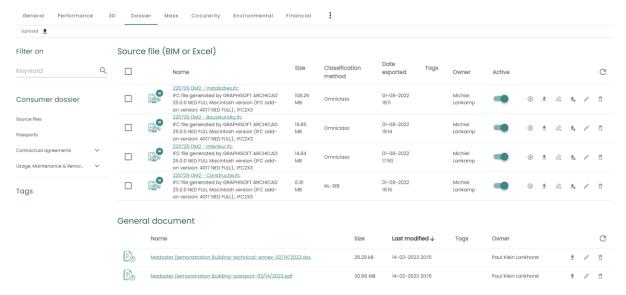
• It is now possible to allow search criteria for a folder type:





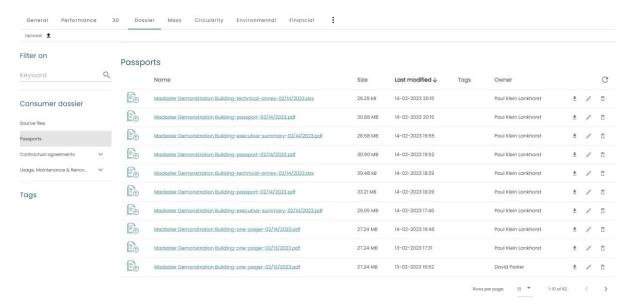
2.2.16 Changes in navigation

When at a dossier on a building the source files are now a 'folder', and when you select a
folder only the files from that specific folder are shown. It used to be that the source files
were always kept on top, which is still the case when no folders are selected. Also, the
sequence of the folders has been changed.



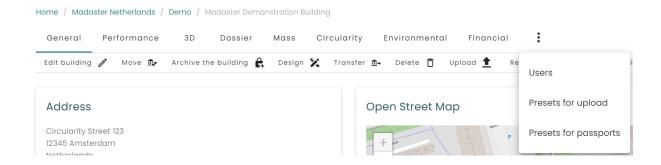
20: the view when no folders are selected. The source files are on top and the other documents below.





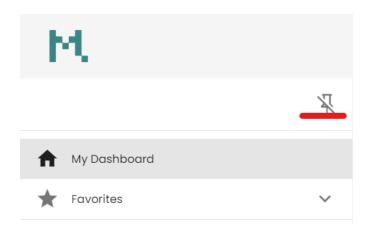
21: once a folder is selected only the files from that folder are shown.

• In the building tabs "Users" and "Presets for Upload" (and the newly introduced "Presets for Upload" have been placed as additional options under three vertical dots



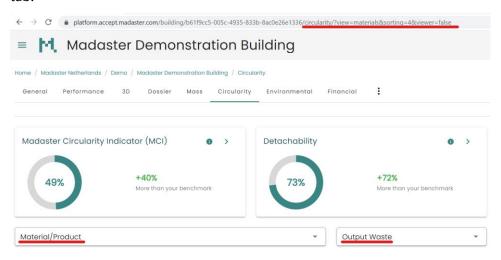
• For new users the left navigation is pinned by default





• Linking to specific results on the circularity or environmental tab

It is now possible to copy an URL that contains the specific filters on the circularity or environmental tab.



- Users with regular authorizations will no longer see the user tab
- The option to create a design or archive a building have been removed for home-owners
- When a user enters the platform with no recent items on 'my dashboard' a welcome text is shown:













Welcome to Madaster

Madaster is an innovative platform that provides an easy way to register, manage and analyze the materials used in your construction projects. We believe that to achieve a circular construction industry, materials must be centrally registered so they can again become resources in the future. Thank you for taking this important first step.

Things look a little empty, but not for long!

We've put together a user guide for you to create objects, enrich them with data, and view and share their performance.

Get started

2.3 Bug fixes

The following bugs have been resolved:

- When transferring a building the authorizations on the transferred building were set wrong, this has been adjusted so that the authorizations are set correctly on the transferred building.
- Rounding has been adjusted so that for example 2 kt of CO2e as displayed on the performance tab for GWP can now be displayed with two decimals (i.e. 1,7)
- In the mass tab of a building at 'unknown' the values would sometimes incorrectly be '0', this has been fixed.
- When creating a new design the notification when this design is ready would mention that the archive was ready. This has been fixed so that it correctly mentions design.
- Deleting a design would mention that the whole building would be deleted where it would only delete the design, this has been textually adjusted so that it mentions only deleting the design.
- We found some wrong mappings in the Omniclass classification, these have been corrected.