



# Madaster Release notes

2023

Made for  
Madaster users

Date  
23 March 2023

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## 1 Releases

Release	Build number	Release date
2023.1	19365	16 February 2023
2023.2	20190	23 March 2023

## 2 Build 20190

### 2.1 New or changed functionalities

#### 2.1.1 Data settings and edit-layout

This release new functionality has been added which enables administrators to choose which data to show for their buildings and also for a user to decide which KPI's they want to see.

##### 2.1.1.1 Data settings

On an account, folder or building it is now possible as an administrator to select which data from a building is accessible/shown in the platform.

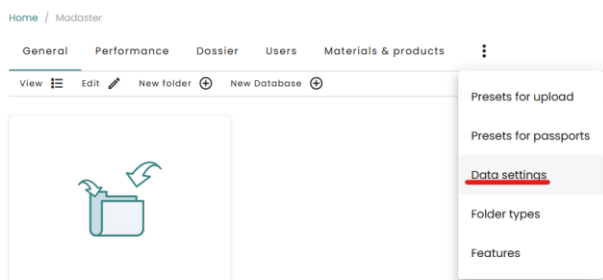
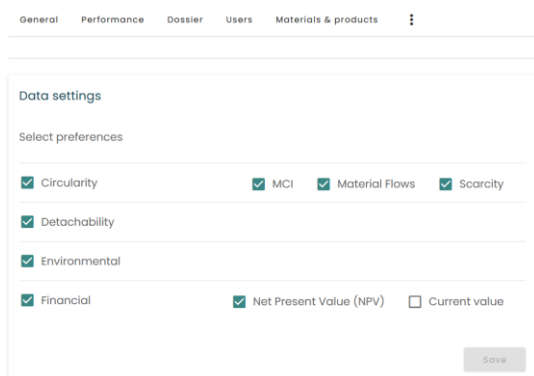


Figure 1: data settings at the account level. It is also available in folders or buildings.

This gives the following options:


 A screenshot of the 'Data settings' form in the Madaster application. The form is titled 'Data settings' and has a subtitle 'Select preferences'. It contains several rows of checkboxes:
 

- Row 1: ☒ Circularity, ☒ MCI, ☒ Material Flows, ☒ Scarcity
- Row 2: ☒ Detachability
- Row 3: ☒ Environmental
- Row 4: ☒ Financial, ☒ Net Present Value (NPV), ☐ Current value

 A 'Save' button is located at the bottom right of the form.

Figure 2

Unmarking and saving an option will exclude that information from being available in the platform. So if an administrator would exclude detachability, for example because it is not known or there is not enough data for it this will show up in the circularity tab in the following way:

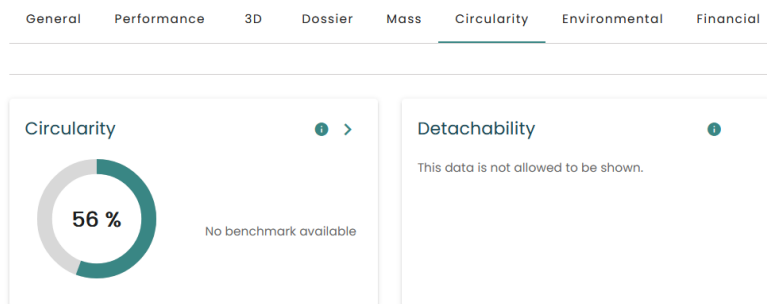


Figure 3: detachability has been excluded in the data settings

This will also impact the passport: in this case detachability will not be part of the material passport. For aggregations of data it will also be excluded; if on the data settings of a building the detachability is excluded then the detachability of that building is not taken into account for the detachability score on the account or folder that building is a part of.

The data settings are inherited from higher levels. So the building inherits the data settings from a folder, and a folder from another folder or the account. This inheritance can be broken if it is necessary to have different settings at a lower level. If no data settings are set at any level the default from the Madaster platform is used.

Met opmerkingen [AS1]: Incomplete sentence.

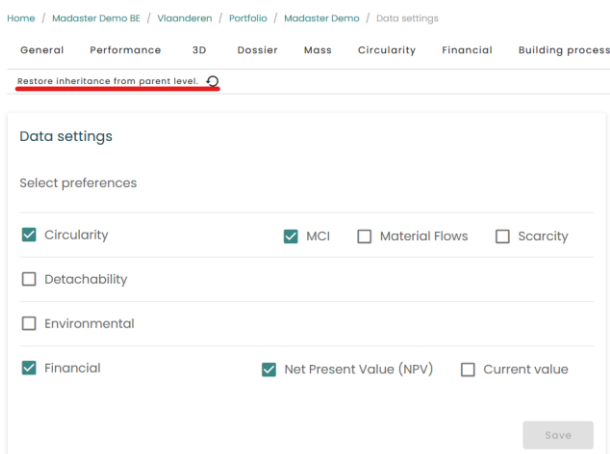


Figure 4: this building does not inherit the data settings from its parent, but it can be restored.

### 2.1.1.2 Edit Lay-out

As any user in the platform it is now possible to define your own preferences for which KPI's should be visible in the performance tab on account, folder or building level.

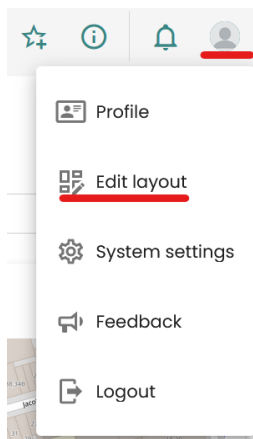


Figure 5

It is possible to have different settings for accounts/folders on the one hand, and buildings on the other:

#### Edit layout

Account/Folder		Building	
Show			
<input checked="" type="checkbox"/> Mass		<input type="checkbox"/> Hide charts	=
<input checked="" type="checkbox"/> Circularity		<input type="checkbox"/> Hide charts	=
<input checked="" type="checkbox"/> Detachability		<input type="checkbox"/> Hide charts	=
<input checked="" type="checkbox"/> Embodied Carbon (GWP)	FN 15804:2012-04+A1 2013 A1-A3	<input type="checkbox"/> Hide charts	=

Figure 6: the edit layout screen with the building tab selected

There are a number of options in this screen:

- It is possible to include or exclude KPI's; the KPI's at 'shown' are included, the ones at 'Don't show' are not.
- It is possible to let the chart related to a KPI be shown or not
- It is possible to drag the KPI's; this will influence the sequence in which the cards are shown
- The 'Hide cards when data is not allowed' is related to the new functionality as described in 2.1.1: the option for administrators to hide data. Here it is possible exclude these cards from the overview. If included a card is shown with the message that the data is not allowed to be shown.
- Pressing the cancel button will close the screen without any changes being saved
- 'Restore default' will restore the Madaster default settings
- Save will save the changes you've made and close the screen

#### Edit layout

Account/Folder	Building
Show	
✕ Embodied Carbon (GWP)	EN 15804:2012-04+A1 2013 AI-A3 <input checked="" type="checkbox"/> Hide charts
✕ Mass	<input type="checkbox"/> Hide charts
✕ Circularity	<input type="checkbox"/> Hide charts
<input checked="" type="checkbox"/> Hide cards when data is not allowed.	
Don't show	
+ Current value	
+ Detachability	
+ Net Present Value (NPV)	
+ Environmental	Compliance Phase Key Performance Indicator

Figure 7: a different configured lay-out for the building level

Example: for the lay-out settings as shown in figure 7 and for a building for which the environmental data has been excluded in the data settings I see the following on the performance tab of that building:

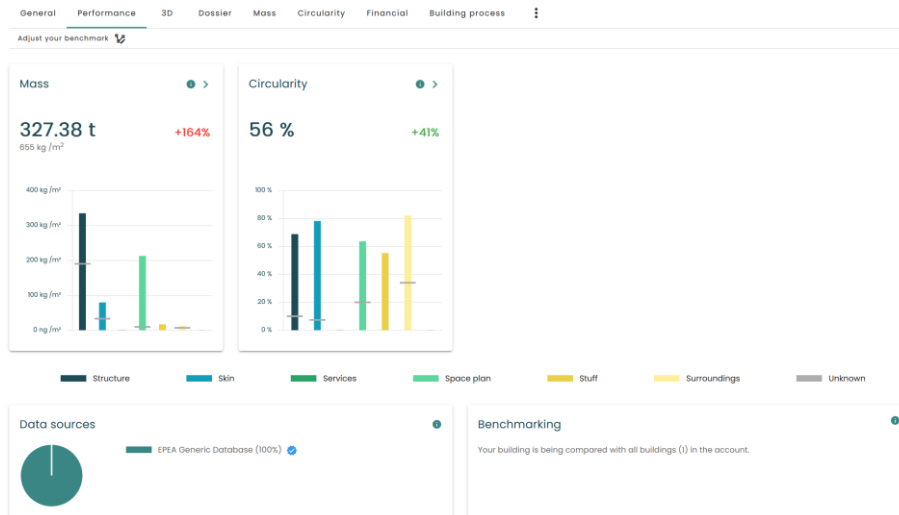


Figure 8: the embodied carbon is not shown because it is excluded in the data settings and I've chosen not to show cards for excluded data. Mass and circularity are shown

If I now allow environmental data to be shown for this building in the data settings it will change to this:

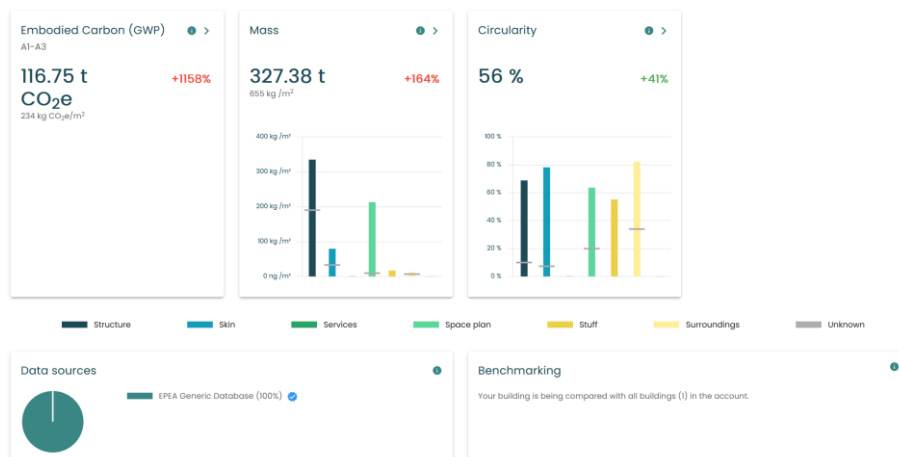


Figure 9: now the embodied carbon is shown. Since I've chosen to hide the chart for it there is no chart for it.



## 2.1.2 Other changes

### 2.1.2.1 Changes to the general and performance tabs on accounts and folders

This release a number of changes have been made to the general and performance tab on both the account and folder level. The area map has been integrated with the KPI cards on the performance tab for a better overview of the buildings in that account or folder. Furthermore; in the general tab it is now more clear in both the icon and list views which buildings have either designs, archives or have been split. Only the 'real' objects are counted (as per last release). This means that if you have for example a building with two designs the data for those designs are not aggregated in order to prevent one single real building to be included multiple times.

#### 2.1.2.1.1 Area map integrated into the performance tab

The performance tab now has the area map integrated into it.

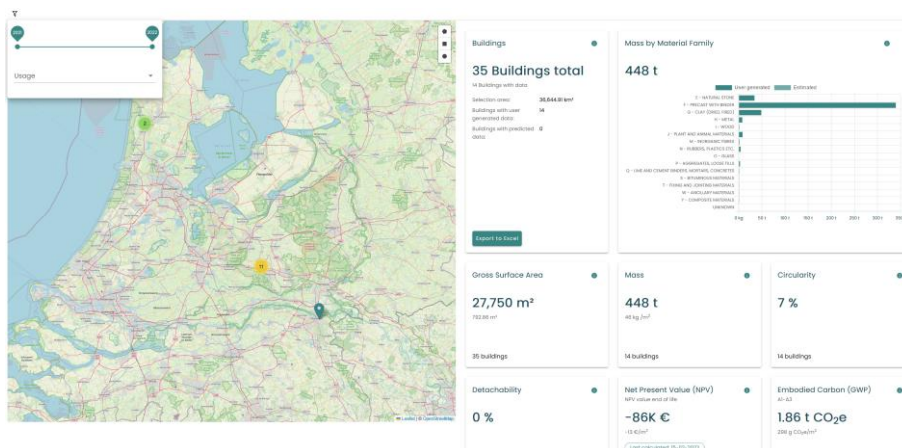


Figure 10: the performance tab with the area register

The following elements are therefore now moved from the area map to the performance tab:

- The map
- The summary card (now called 'buildings')
- The mass by material intensity card
- The filters on construction year and usage; you have to click on the filter icon in the toolbar in the top left to set these

The selection on the map changes the scope of the calculations. To prevent the map zooming because of scrolling in the page zooming can now only be done by double clicking (which zooms in)

and using the ‘+’ and ‘-’ icons on the map. In the cards the number of buildings which are used for the calculations is shown.

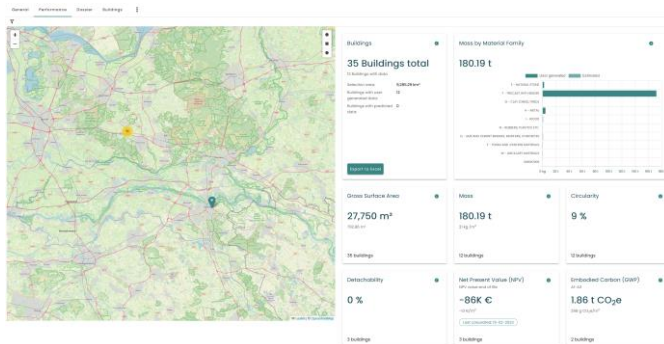


Figure 11: in this map section there are 12 buildings with data about their mass and 2 buildings with GWP data. In the buildings card it is shown that in the whole account/folder there are 35 buildings, 12 of which have data that we use in this performance tab.

Within each map segment buildings which are excluded from the calculations are:

- Designs
- Archives (unless there only is an archive)
- If a building has been split into multiple buildings all the newly split buildings are included, but the building that has been split is not

#### 2.1.2.1.2 Visibility of designs, archives and split buildings

This release designs archives and split buildings have been removed as separate building cards from the general tab on accounts and folders. Icons have been added to buildings cards in the general tab of accounts and folders and in the list view for designs, archives and split buildings.

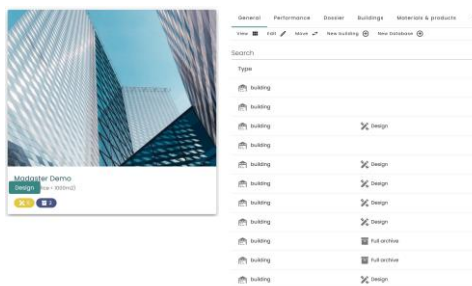
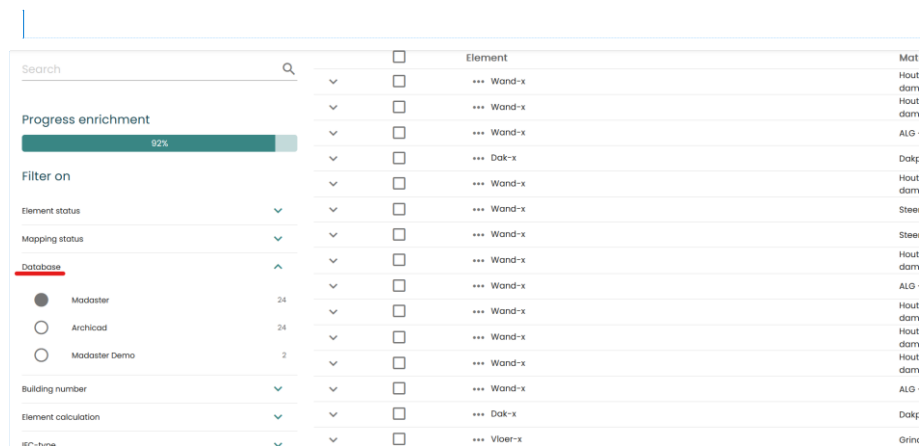


Figure 12: on the left an example of how the new icons are implemented on a building card, including the tooltip. On the right how it looks in the list view

### 2.1.2.2 Changes to enrichment and source file processing

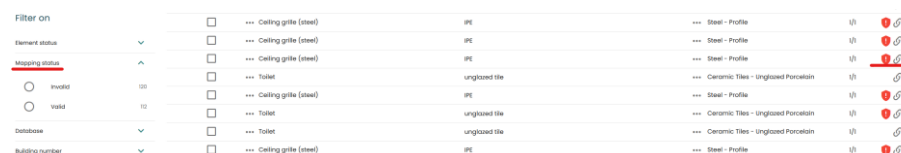
There are new options for filtering in the enrichment screen:

- It is now possible to filter on the database:



Met opmerkingen [AS2]: I suggest to use an image with more databases

- When the mappings have failed an alert is shown. It is also possible to filter on all the mapping mismatches. This alert is triggered when the element quantity does not match with that of the product or material. So for example when the element is described in volume whilst the product/material is described in area.



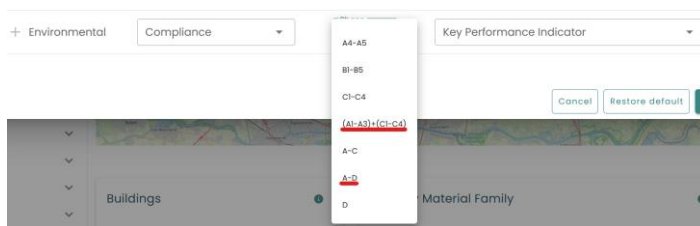
- It is now possible to add a element description in the excel templates when uploading an excel as a source file

GTIN	ArticleNum	Madaster Id	External Data	Description	Material/Product	Class

### 2.1.2.3 Additional phase groupings for LCA KPI's available

Two phase groupings for LCA have been added for use in the passports or on the performance and environmental tabs:

- Sum of the product and end-of-life phases: [A1-A3] + [C1-C4]
- Sum of all phases: A-D



### 2.1.2.4 Usability changes

#### 2.1.2.4.1 Spinning wheel

After uploading a file as long as the platform is busy processing this file a spinning wheel is shown in the dossier:

<input type="checkbox"/>	Name	Size	Classification method	Date exported	Tags	Owner	Active
<input type="checkbox"/>	 Office_A_20110811.ifc 20100326_1700 (Solibri IFC Optimizer); IFC2X3	3.91 MB	NL-SfB V201912	11-08-2011 16:18		Paul Klein Lankhorst	
<input type="checkbox"/>	 Office_A_20110811.ifc	3.91 MB	NL-SfB	27-02-2023 09:50		Paul Klein Lankhorst	

#### 2.1.2.4.2 Tooltips

The styling of the tooltips have been made uniform throughout the platform.

#### 2.1.2.4.3 Show that a recalculation is done when changing the lifespan of a building

When you change the lifespan of a building a recalculation is done, this is now also shown:

 Building information is being recalculated. While this process is running, no changes which affect calculations are possible on the building.

### 2.1.3 Bug fixes

The following bugs have been resolved:

- Saving an EPEA urban mining tool object would sometimes be stopped by an empty value which was unnecessary. This has been fixed.
- A number of checkbox bugs with the passports presets and generating material passports have been fixed.
- For smaller resolutions the tool bar could become too big, with buttons disappearing offscreen. This has been resolved.
- In the mass tab of a building, with the material family selected, the colors and offset of the chart could be wrong, what has been corrected.
- The building process tab would not open detailed information; this has been solved.

## 3 Build 19365

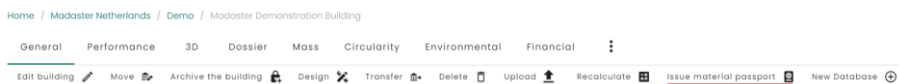
### 3.1 New or changed functionalities

#### 3.1.1 New material passport options and design

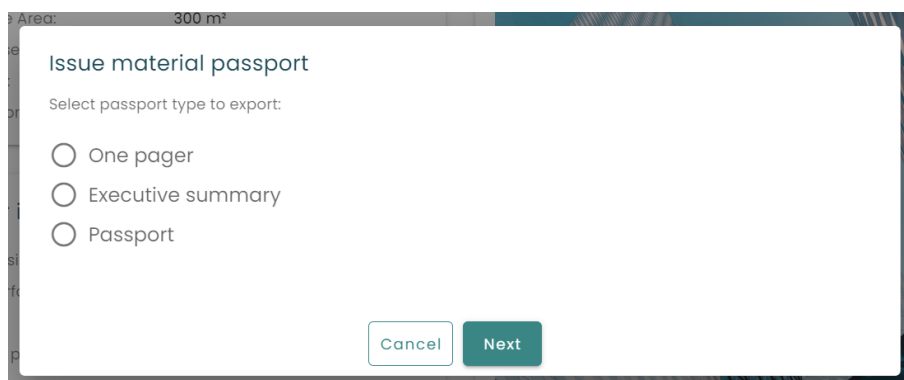
In this release, the material passports have been redesigned. They have a different look and feel as well as new options. There are different types of passports now: the one-pager, an executive summary and a (full) passport that can include a technical annex with the base data in an excel file. Apart 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.

##### 3.1.1.1 Issuing and generating a passport

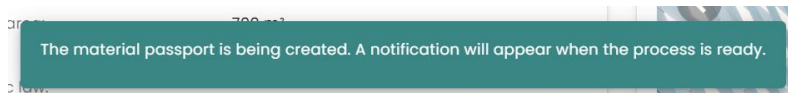
The option to generate passports from a folder has been removed; this can now only be done from the building.



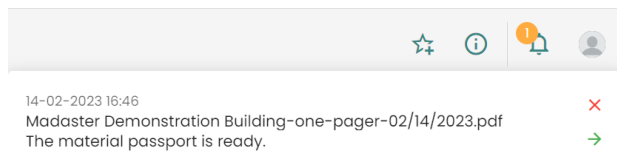
Once selected, this will open a pop-up from which it is possible to choose the type of passport to be generated for this building.



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.



*13: 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.

### 3.1.1.2 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.

Issue material passport

Default

Select preferences

☒ Mass

☒ Circularity ☒ MCI

☒ Detachability

☒ Environmental Compliance: EN 15804:2... Phase: AI-A3 Key Performance Indicator: Embodied Carbon (GWP) =

☐ Environmental Compliance Phase Key Performance Indicator +

☒ Financial ☒ Net Present Value (NPV) ☒ Current value

On a one pager it is only possible to select a maximum of four options. (Excluding Mass)

Language: English

Back OK

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

The one pager has the following design:

Material passport  
Madaster Demonstration Building

QR code

OWNER: Circular Holdings

DESIGNER: Circular Architects

ADDRESS: Circularity Street 123  
1018 CA Amsterdam  
Netherlands

GROSS BUILDING AREA: 300 m<sup>2</sup>

Material intensity: 2.17 t/m<sup>2</sup>  
Material intensity measures the amount of materials used per m<sup>2</sup>.

Circularity: 49%  
Circularity measures the degree of secondary materials used during construction, and potential for reuse & recycling at their end of use.

Detachability: 73%  
Detachability measures the degree to which materials and products can be disassembled without being damaged.

Current value per m<sup>2</sup>: 48 €/m<sup>2</sup>  
Current value measures the monetary value of the raw materials at this moment in time, accounting for the costs of disassembly, transportation and processing for re-use.

Embodied Carbon (GWP): 299 kg CO<sub>2</sub>e/m<sup>2</sup>  
The total environmental impact for AI-A3 (EN 15804).

Madaster  
This passport was created using Madaster - the online register for materials and products in the built environment. In Madaster, data is recorded on all materials and products used in a new estate or infrastructure object, providing insight into an object's material composition, circularity, detachability, environmental impact, and material value at end of life. Documenting materials in such a manner enables a better future with more material reuse, less impact on natural ecosystems, and less CO<sub>2</sub> emissions.

Disclaimer  
This material passport was created without any intervention by (Madaster and/or employees of) Madaster Services B.V. (hereafter referred to as 'Madaster') under the Madaster Foundation and is the sole and exclusive result of data imported by, or on behalf of the user, from the user's source file. Consequently, Madaster cannot be held accountable for any errors, omissions, and/or incomplete and/or inaccurate data by the user or the required information.

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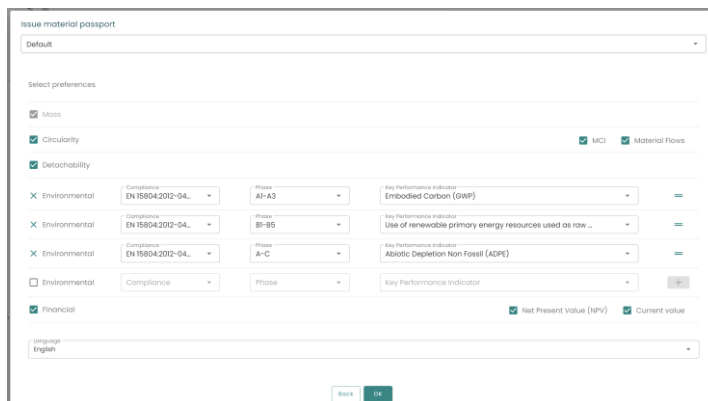
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15: an example of the one pager passport. Only known data is shown. Elements like the building picture or the owner are included by default, the KPI's be chosen apart from mass – which is mandatory.



### 3.1.1.3 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.



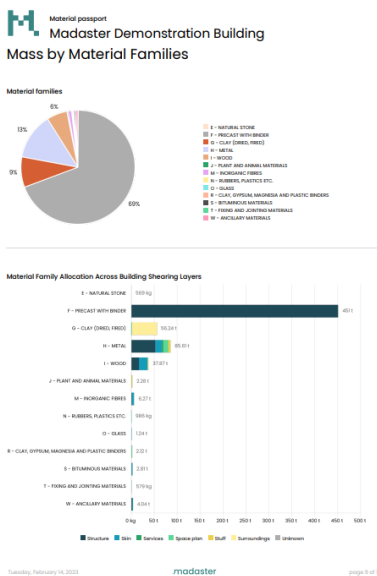
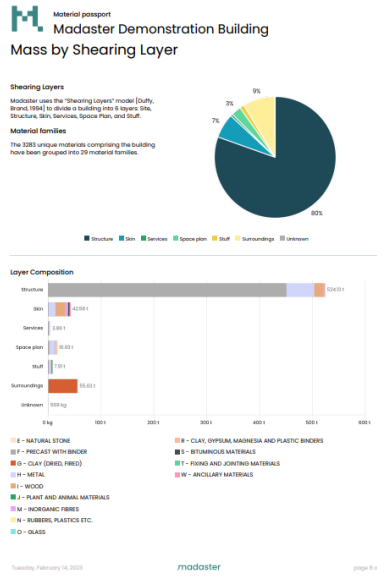
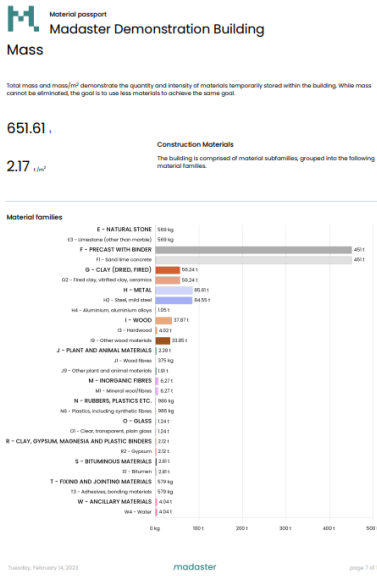
But also in general it contains more detailed information.



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



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.



**Material passport**  
**Madaster Demonstration Building**  
**Mass details**

Material family	Total	Structure	Skin	Services	Space plan	Stuff	Summings	Unknown
E - NATURAL STONE	0.17 t	0%	0%	0%	0%	0%	0.17 t	0%
E1 - Limestone (Other than marble)	0.17 t	0%	0%	0%	0%	0%	0.17 t	0%
F - PRECAST WITH BINDER	450 t	450 t	0%	0%	0%	0%	450 t	0%
F1 - Sand-lime concrete	450 t	450 t	0%	0%	0%	0%	450 t	0%
G - CLAY (DRIED, FIRED)	16,041 t	0%	0%	0%	0%	0%	16,041 t	0%
G2 - Fired clay, unglazed, ceramic	16,041 t	0%	0%	0%	0%	0%	16,041 t	0%
H - METAL	65,911 t	0%	0%	0%	0%	0%	65,911 t	0%
H1 - Steel, mild steel	64,951 t	0%	0%	0%	0%	0%	64,951 t	0%
H2 - Aluminum, aluminum alloy	1,061 t	0%	0%	0%	0%	0%	1,061 t	0%
I - WOOD	37,871 t	0%	0%	0%	0%	0%	37,871 t	0%
I1 - Hardwood	37,871 t	0%	0%	0%	0%	0%	37,871 t	0%
I2 - Other wood materials	0 kg	0%	0%	0%	0%	0%	0 kg	0%
J - PLANT AND ANIMAL MATERIALS	2,281 t	0%	0%	0%	0%	0%	2,281 t	0%
J1 - Wood fiber	2,281 t	0%	0%	0%	0%	0%	2,281 t	0%
J2 - Other plant and animal materials	0 kg	0%	0%	0%	0%	0%	0 kg	0%
K - INORGANIC FIBERS	1,271 t	0%	0%	0%	0%	0%	1,271 t	0%
K1 - Mineral wool/fibers	1,271 t	0%	0%	0%	0%	0%	1,271 t	0%
L - RUBBERS, PLASTICS ETC.	390 kg	0%	0%	0%	0%	0%	390 kg	0%
L1 - Plastics, including synthetic fibers	390 kg	0%	0%	0%	0%	0%	390 kg	0%
M - GLASS	1,341 t	0%	0%	0%	0%	0%	1,341 t	0%
M1 - Clear, transparent, plain glass	1,341 t	0%	0%	0%	0%	0%	1,341 t	0%
R - CLAY, GYPSUM, MAGNESIA AND PLASTIC BINDERS	2,021 t	0%	0%	0%	0%	0%	2,021 t	0%
R1 - Gypsum	2,021 t	0%	0%	0%	0%	0%	2,021 t	0%
S - BITUMINOUS MATERIALS	2,021 t	0%	0%	0%	0%	0%	2,021 t	0%
S1 - Bitumen	2,021 t	0%	0%	0%	0%	0%	2,021 t	0%
T - FIBERS AND JOINTING MATERIALS	179 kg	0%	0%	0%	0%	0%	179 kg	0%
T1 - Synthetic jointing materials	179 kg	0%	0%	0%	0%	0%	179 kg	0%
W - ANCILLARY MATERIALS	4,041 t	0%	0%	0%	0%	0%	4,041 t	0%
W1 - Binder	4,041 t	0%	0%	0%	0%	0%	4,041 t	0%

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19: 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.



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**Material passport**  
**Madaster Demonstration Building**  
**Circularity Construction Phase**

	Structure	SKN	Services	Space plan	Staff	Surroundings	Unknown
Secondary materials (Score: 100%)	9%	34%	77%	80%	53%	2%	0%
Utility (Score: 100%)	47.02	14.31	2.981	10.021	4.981	1.821	0 kg
Actual average lifetime of materials (years)	87	88	93	39	189	50	
Actual average lifetime of materials (years)	87	88	93	39	189	50	

**Mass Composition**

	Structure	SKN	Services	Space plan	Staff	Surroundings	Unknown
Mass of product (kg)	524.031	42.581	3.881	16.921	7.381	55.631	555 kg

**Mass Composition**

	Structure	SKN	Services	Space plan	Staff	Surroundings	Unknown
Applied recycled materials (kg of mass)	47.021	14.311	2.981	10.021	4.981	1.821	0 kg
Applied rapidly renewable materials (kg of mass)	0 kg	0 kg	0 kg	0 kg	0 kg	0 kg	0 kg
Applied reused components (kg of mass)	0 kg	0 kg	0 kg	0 kg	0 kg	0 kg	0 kg

**Recycling**

	Structure	SKN	Services	Space plan	Staff	Surroundings	Unknown
Efficiency of recycling processes for construction phase (%)	100%	100%	100%	100%	100%	100%	0%
Mass of waste generated during recycling process (kg)	0 kg	0 kg	0 kg	0 kg	0 kg	0 kg	0 kg

**Circularity Use Phase**

	Structure	SKN	Services	Space plan	Staff	Surroundings	Unknown
Utility (Score: 100%)	97%	304%	334%	502%	77%	74%	80%
Actual average lifetime of materials (years)	87	88	93	39	189	50	
Actual average lifetime of materials (years)	87	88	93	39	189	50	

**Circularity End-Of-Life Phase**

	Structure	SKN	Services	Space plan	Staff	Surroundings	Unknown
Recoverable content (Score: 100%)	9%	80%	93%	75%	98%	98%	100%
Mass of product (kg)	524.031	42.581	3.881	16.921	7.381	55.631	555 kg

**Mass Composition**

	Structure	SKN	Services	Space plan	Staff	Surroundings	Unknown
Mass of product (kg)	524.031	42.581	3.881	16.921	7.381	55.631	555 kg
Mass of potential landfill & energy incineration (kg)	0 kg	0 kg	0 kg	0 kg	0 kg	0 kg	0 kg

**Recycling**

	Structure	SKN	Services	Space plan	Staff	Surroundings	Unknown
Efficiency of recycling processes for end of life phase (%)	100%	100%	100%	100%	100%	100%	0%
Mass of potential landfill & energy incineration of the recycling process (kg)	0 kg	0 kg	0 kg	0 kg	0 kg	0 kg	0 kg

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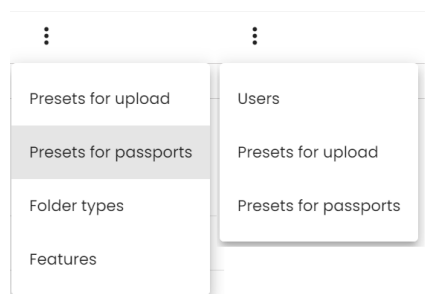
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When one has opted for also generating the technical annex a separate excel file will be placed in the dossier of the building. This annex will be filled with the materials or products divided in separate sheets for each shearing layer. The columns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

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

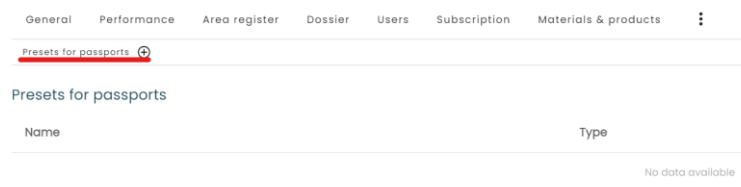
### 3.1.1.5 Passport presets

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.



21: 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.

Presets for passports

Name\*

One pager Madaster

Type\*

One pager

Select preferences

☒ Mass

☒ Circularity

☐ Detachability

☐ Environmental

☐ Financial

Compliance

Phase

Key Performance Indicator

+

☐ Net Present Value (NPV)

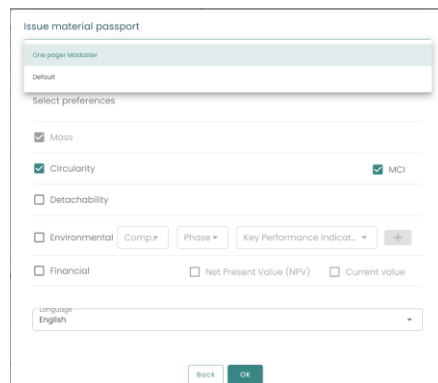
☐ Current value

☐ MCI

Cancel

Save

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



22: 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

General	Performance	3D	Dossier	Mass	Circularity	Environmental	Financial	:
<b>Break inheritance</b>								
Presets for passports								
Name				Type				
One pager Madaster				One pager				
				Rows per page: 10 1-1 of 1				

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

Presets for passports	
Name	Type
One pager Madaster	One pager

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

Presets for passports	Restore inheritance from parent level.
-----------------------	--

## Presets for passports

Name	Type
One pager Madaster	One pager

### 3.1.1.6 Generate passport options when splitting, transferring or archiving

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

#### Split the building

Prefix for building name (Will be concatenated with Building Number) \*

Split test

Choose building numbers \*


Choose passport types to generate

☐ One pager

☐ Executive summary

☐ Passport

Language

 English

CancelSplit

### 3.1.2 Other changes

#### 3.1.2.1 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.

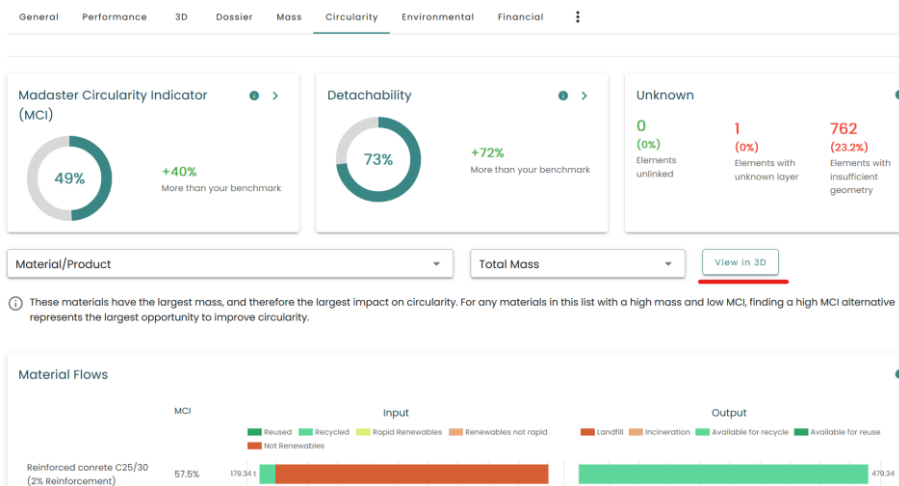


Figure 23: in the circularity and environmental tabs it is now possible to view the materials/products in the 3D model by using this button

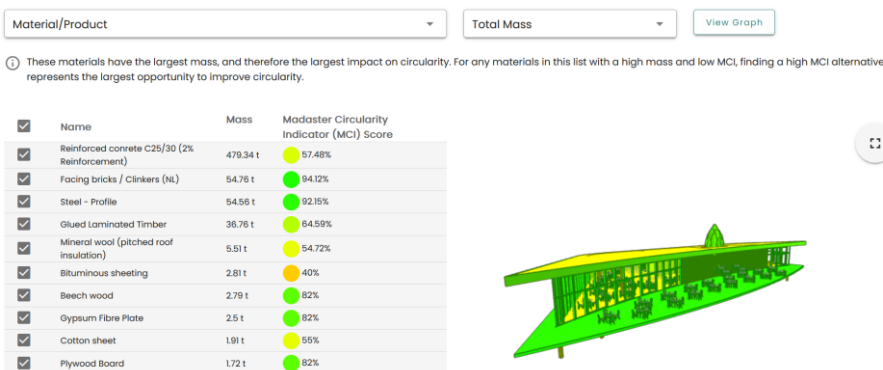
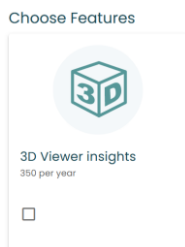


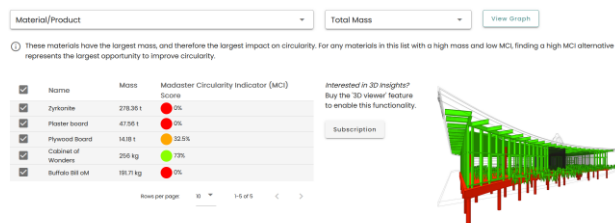
Figure 24: when using the 3D button the graph will change to the 3D model where it is also possible to select certain materials or products. With the view graph button it will switch back to the graph.



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



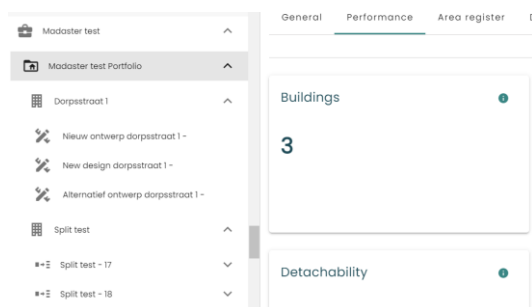
When the feature is not active a preview is shown when clicking the 'view in 3D button' in the circularity or environmental tabs.



### 3.1.2.2 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:

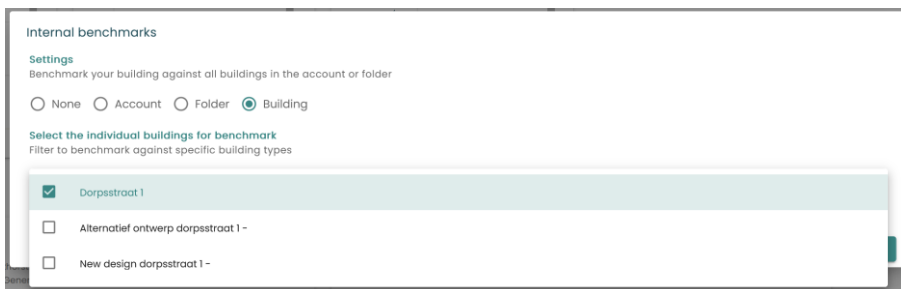
- Designs of buildings
- Archives of buildings
- If a building is split: the original



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

### 3.1.2.3 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:



Internal benchmarks

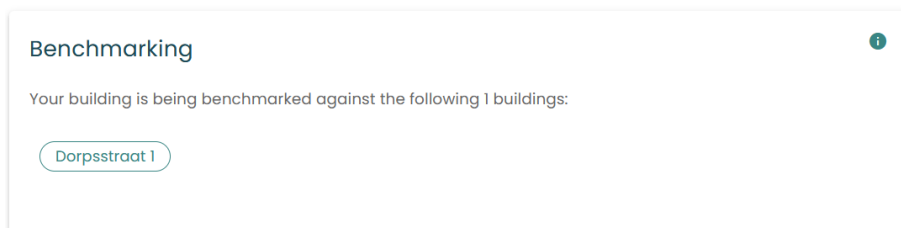
**Settings**  
Benchmark your building against all buildings in the account or folder

☐ None ☐ Account ☐ Folder ☒ Building

**Select the individual buildings for benchmark**  
Filter to benchmark against specific building types

- ☒ Dorpsstraat 1
- ☐ Alternatief ontwerp dorpsstraat 1 -
- ☐ New design dorpsstraat 1 -

This selection is visible on the performance tab itself



**Benchmarking**

Your building is being benchmarked against the following 1 buildings:

Dorpsstraat 1

### 3.1.2.4 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.

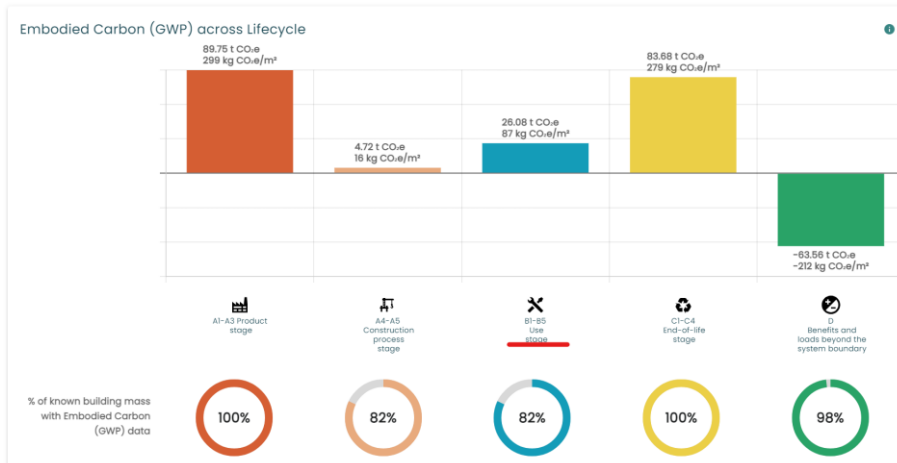


Figure 26: a building with an expected lifespan of 60 years

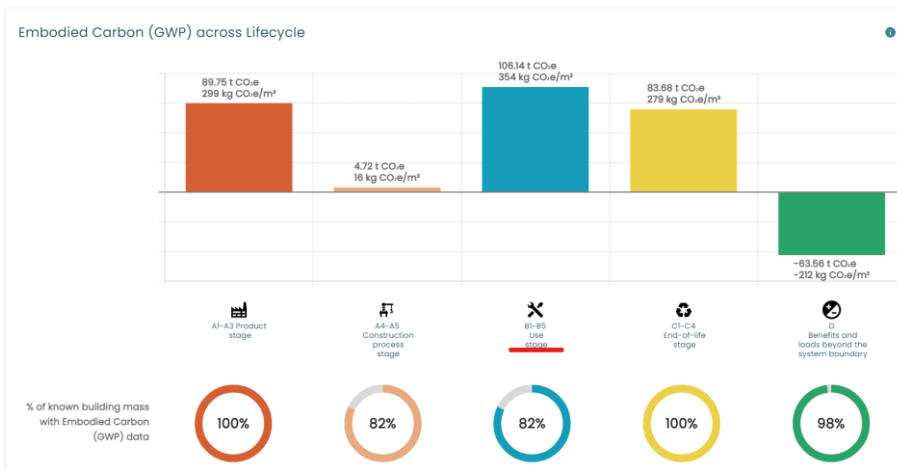


Figure 27: the same building as in figure 12; but now with an expected lifespan of 120 years

### 3.1.2.5 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

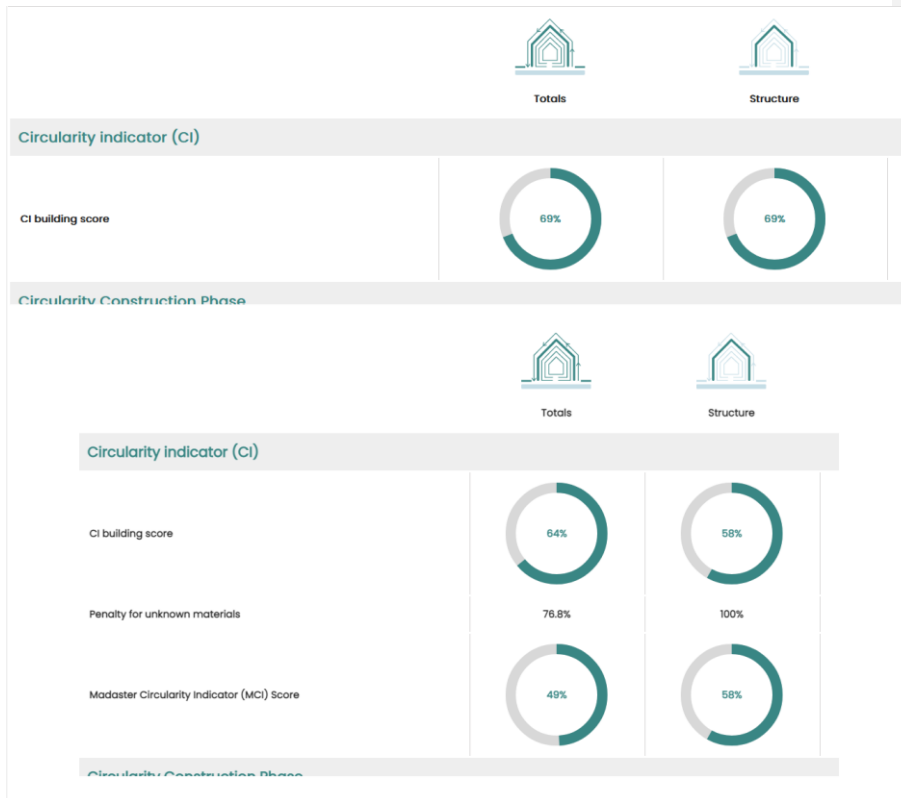


Figure 28: on top how it was, on the bottom what it is now.

### 3.1.2.6 Split building can now be activated

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

### 3.1.2.7 "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 CO<sub>2</sub>e).  
The database, which is expert-reviewed, [see more](#)

#### 3.1.2.8 *Billing information shown when modifying a subscription*

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

### Billing Information

Billing email:

Company name:

att.:

Reference / PO number:

Address:

☐ I agree that the billing information is correct

If the above billing information is not correct, please [contact us](#) before proceeding with the subscription.

#### 3.1.2.9 *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.

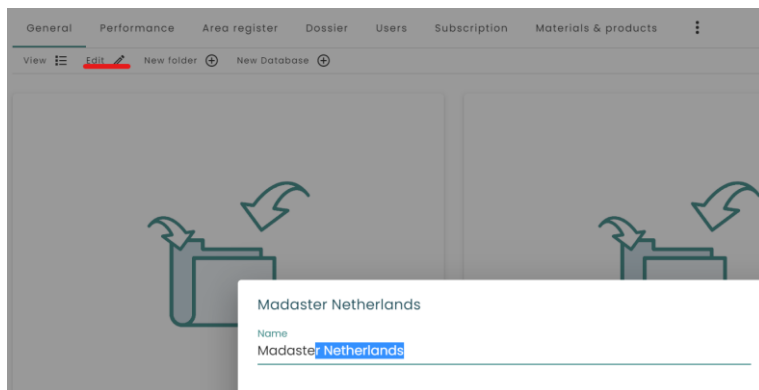
#### Add file

Indicate to which sources in the Madaster platform the elements in the file to be uploaded should automatically be linked and in which order this should be done per element. To add or remove a source, select the '+' or 'X' sign at the end of a source name.

Available sources		Selected sources	
NMD	+	EPEA Generic	X
Madaster	+	Lankhorst B.V.	X
2BA	+		
Hook Producer	+		
MRPI	+		
IBU DATA	+		
ECOPLATFORM	+		
ENVIRONDEC	+		
OKOBAUDAT 2018+	+		

#### 3.1.2.10 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.



#### 3.1.2.11 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.

Material information
Circularity
Environment
Search criteria
Fin

Save
Close

Material name\*  
Kryptonite

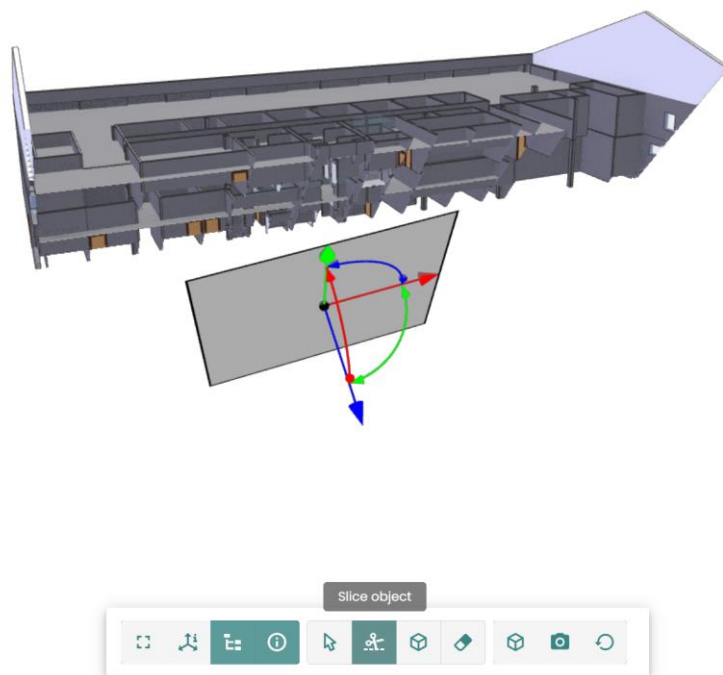
Specific weight\*  
5,000
kg/m<sup>3</sup>

Madaster  
Unknown

Madaster V2\*  
Z - OTHER

### 3.1.2.12 Slice a 3D model

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



### 3.1.2.13 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.

Product information
Circularity
Environment
Search cri

Save
Close

General

Product name \*

Type \*
Volume

Product code

GTIN

Functional lifespan (years)
0
Year

☐ Do not calculate circularity values from Bill of Materials

☐ Calculate environmental values from Bill of Materials

Product information
Circularity
Environment
Search cri

Save
Close

General

Product name \*

Type \*
Volume

Product code

GTIN

Functional lifespan (years)
0
Year

☐ Calculate circularity and density values from Bill of Materials

Madaster

Name
Type

No data available

Density \*
kg/m<sup>3</sup>

☐ Calculate environmental values from Bill of Materials

Figure 29: on the left the old situation, on the right the new one

### 3.1.2.14 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.



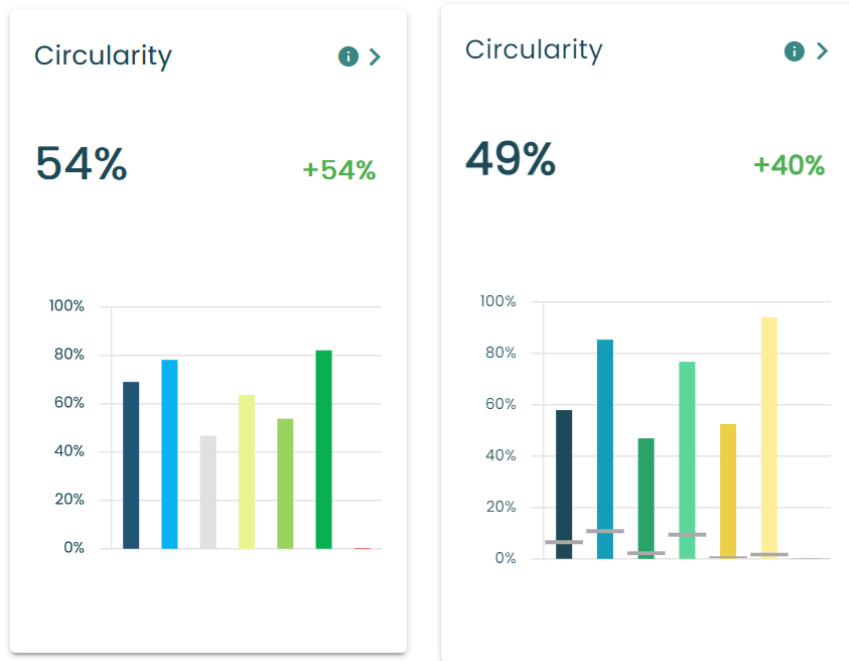


Figure 30: on the left the old color scheme and on the right the new one. One of many charts that have changed colors.

### 3.1.2.15 Changes on building and folder type fields

- The manual or indicative MPG score is now shown in €/m<sup>2</sup>.jr instead of €/m<sup>2</sup>

#### Labels

BREEAM:  
Manual MPG score:

Excellent

12 €/m<sup>2</sup>.jr

- There are new fields for the owner on a building

Owner

Circular Holdings

---

Address line 1

Reuse Street 123

---

Address line 2

---

Postal code

12345

---

City

Amsterdam

---

Country

Netherlands

General Performance 3D Dossier Mass Circularity En

Edit building Move Archive the building Design Transfer

Address

Circularity Street 123  
12345 Amsterdam  
Netherlands

Owner

Owner:	Circular Holdings
Address:	Reuse Street 123 12345 Amsterdam Netherlands

31: 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.

New Folder type

Name \*  
Portfolio

Description

Plural Name  
Portfolios

☒ Foldertype allowed directly under account? Allowed folder types in subfolders

☒ Buildings can be added in this folder type Icon mid-folder-home-outline

☐ Does folder of this folder type requires an address? Logo

☐ Folder of this type is a region defined by spatial coordinates?

☒ Specify owner in passport

Owner label in passport

Cancel Save

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

Madaster information

Prepared by  
Circular Architects

Design Stage \*  
Unknown

Design Stage \*

Unknown

LOD 100 - Concept Design

LOD 200 - Schematic Design

LOD 300 - Detailed Design

LOD 350 - Construction Documentation

LOD 400 - Fabrication & Assembly

LOD 500 - As-Built

General Performance 3D Dossier Mass Circularity Envis

100 building

Move

Archive the building

Design

Transfer

Open

Address

Circularity Street 123  
12345 Amsterdam  
Netherlands

Owner

Owner:

Circular Holdings

Address:

Reuse Street 123  
12345 Amsterdam  
Netherlands

Madaster information

Prepared by:

Circular Architects

Design Stage:

Unknown

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

#### Address

☐ Use map to create a location

Street

Circularity Street

House number

123

House number suffix

Postal code

12345

City

Amsterdam

Country \*

Afghanistan

Åland Islands

Albania

Algeria

American Samoa

Andorra

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

Page 35

New Folder type

Name \*

Complex

Description

Plural Name

Complexes

☐ Foldertype allowed directly under account?

☒ Buildings can be added in this folder type

☒ Does folder of this folder type requires an address?

☒ Folder of this type is a region defined by spatial coordinates?

☐ Allow search criteria

Allowed folder types in subfolders

Complex Portfolio Project

Icon

mdi-domain

Logo

Cancel

Save

### 3.1.2.16 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.

General	Performance	3D	Dossier	Mass	Circularity	Environmental	Financial	
Upload								
Filter on								
Keyword								
Consumer dossier								
Source files								
Passports								
Contractual agreements								
Usage, Maintenance & Renov...								
Tags								
Source file (BIM or Excel)								
General document								

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

General Performance 3D Dossier Mass Circularity Environmental Financial

Upload

Filter on

Keyword

Consumer dossier

Source files

Passports

Contractual agreements

Usage, Maintenance & Renov...

Tags

Name	Size	Last modified	Tags	Owner
Madaster Demonstration Building-technical-overview-02/14/2023.xlsx	26.29 KB	14-02-2023 20:15		Paul Klein Lankhorst
Madaster Demonstration Building-passport-02/14/2023.pdf	30.89 MB	14-02-2023 20:15		Paul Klein Lankhorst
Madaster Demonstration Building-executive-summary-02/14/2023.pdf	28.58 MB	14-02-2023 19:55		Paul Klein Lankhorst
Madaster Demonstration Building-passport-02/14/2023.pdf	30.90 MB	14-02-2023 19:52		Paul Klein Lankhorst
Madaster Demonstration Building-technical-overview-02/14/2023.xlsx	39.45 KB	14-02-2023 18:29		Paul Klein Lankhorst
Madaster Demonstration Building-passport-02/14/2023.pdf	33.21 MB	14-02-2023 18:29		Paul Klein Lankhorst
Madaster Demonstration Building-executive-summary-02/14/2023.pdf	29.05 MB	14-02-2023 17:48		Paul Klein Lankhorst
Madaster Demonstration Building-one-pager-02/14/2023.pdf	27.24 MB	14-02-2023 16:46		Paul Klein Lankhorst
Madaster Demonstration Building-one-pager-02/13/2023.pdf	27.24 MB	13-02-2023 17:31		Paul Klein Lankhorst
Madaster Demonstration Building-one-pager-02/13/2023.pdf	27.24 MB	13-02-2023 16:52		David Parker

Rows per page: 10 1-10 of 10

33: 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

Home / Madaster Netherlands / Demo / Madaster Demonstration Building

General Performance 3D Dossier Mass Circularity Environmental Financial

Edit building Move Archive the building Design Transfer Delete Upload Re

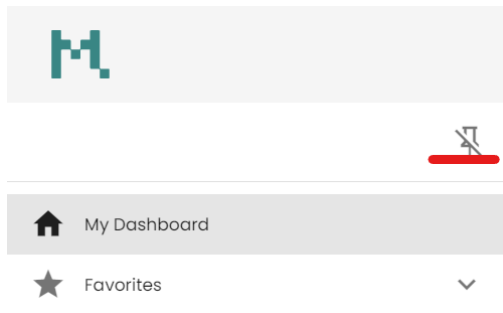
Address

Circularity Street 123  
12345 Amsterdam  
Netherlands

Open Street Map

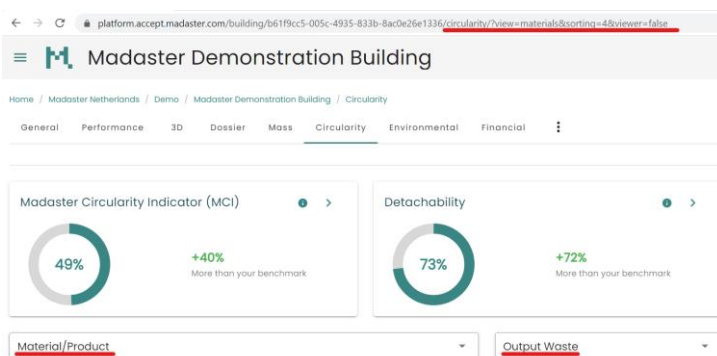
Users  
Presets for upload  
Presets for passports

- For new users the left navigation is pinned by default

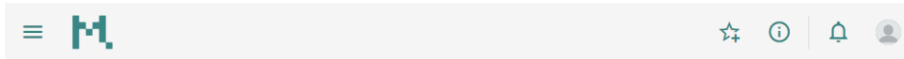


- Linking to specific results on the circularity or environmental tab

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](#)

### 3.1.3 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 CO<sub>2</sub>e 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.