



Madaster Release notes

2021

Made for
Madaster users

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8.0

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Table of Contents

1	Releases	4
2	Build 9044	5
2.1	New functionalities.....	5
2.1.1	Expansion of folder type with owner label in materials passport	5
2.1.2	Multiple classification methods per building	5
2.1.3	New classification method: NL-SfB table 1	5
2.1.4	Improvements to vendor and verified database accounts.....	6
2.1.5	Material Passport enhancements	6
2.1.6	Visual adjustment Circularity tab	6
2.1.7	API	7
2.2	Bug fixes	7
3	Build 8820	8
3.1	New functionalities.....	8
3.1.1	Expansion of matching types within the search criterion material / product	8
3.1.2	Possibility to override the default (based on building usage) demolition and dismantling costs.	9
4	Build 8556	10
4.1	Bug Fixes	10
5	Build 8382	11
5.1	New features.....	11
5.1.1	UI improvements	11
5.1.2	New classification method “Shearing Layer”	11
5.1.3	New Button “Public Data” on building (NL only)	11
5.2	Bug Fixes	11
6	Build 8029	12
6.1	Bug Fixes	12
7	Build 8023	13
7.1	Bug Fixes	13
8	Build 8021	14
8.1	Expansion material & product fields.....	14
8.2	Addition of “Environment” -tab.....	14
8.2.1	Addition of “Circularity”-tab	15

8.2.2	New product identification fields	16
8.2.3	New fields for product origin	16
8.3	Upload new version of a source file which preserves existing mapping.....	17
8.4	Platform improvements.....	17
8.4.1	Add complete product in enrichment process.....	17
8.4.2	Financial dataset representation (material)	17
8.4.3	Other bug fixes.....	18

1 Releases

Build number	Release date
9044	10 th May 2021
8820	1 st April 2021
8556	22 nd March 2021
8382	11 th March 2021
8029	1 st March 2021
8023	26 th February 2021
8021	25 th February 2021

2 Build 9044

2.1 New functionalities

2.1.1 Define owner label on folder type for use in materials passport.




Admin users can activate and define a text label on a folder type (portfolio, region, etc.) representing its owner.

This label can be filled in at the folder level. Both label and entered value will be displayed on the front page and general page of the materials passport.



2.1.2 Multiple classification methods per building

Ability to upload and display source files (IFC & Excel format) with different classification methods (which are supported by the platform) on one building has been added. Previously, only one classification method could be chosen at the building level.

SOURCE FILE (BIM OR EXCEL)			
Name	Size	Classification method	
 190326 Demomodel ARC22-Bouwkundig.ifc IFC file generated by GRAPHISOFT ARCHICAD-64 22.0.0 NED FULL Macintosh version (IFC add-on version: 5009 NED FULL); IFC2X3	34MB	NL-SfB	
 MaterialImportTemplate Shearing layers TEST INFRA.xlsx Microsoft Macintosh Excel (16.0300)	28KB	Shearing layers	
 MaterialImportTemplate Omniclass TEST RG.xlsx Microsoft Excel (16.0300)	52KB	Omniclass	

2.1.3 New classification method: NL-SfB table 1 V201912

For the Netherlands, update 2019-12 of the NL_-SfB Table 1 classification has been made available on Madaster.



2.1.4 Improvements to vendor and verified database accounts

In Madaster it is possible for manufacturers to add their building materials and products in their own database including underlying sub-databases. In addition, it is now possible for admin users to invite users with read and / or management rights to these databases. Finally, the function has been added to copy materials and / or products between the own supplier databases.

2.1.5 Material Passport enhancements

The following items have been changed in the Madaster materials passport (both PDF and Excel file):

- On the cover page, the fields “Publisher” and “Owner” have been removed.
- On the “General” tab, the “Portfolio Name”, “Portfolio Owner” and “Indicative MPG” fields have been removed. Empty fields are also hidden.
- In the section “Active source files” the fields / columns “classification methods” and “export date” have been added.
- If a building layer (e.g., Structure, Skin, etc.) contains no source data, this will be indicated textually on the pages “Building - Materials” (text: “no material data found for this layer”) and “Building - Products” (text: “There are no products in this layer”) of the materials passport.

2.1.6 Visual adjustment Circularity tab

On the Madaster "Circularity" tab, the visual representation of the CI Building Score and Madaster CI Score is reversed. Logically, the CI Building score is now displayed on the top line and the corrected Madaster CI score below.



2.1.7 API

The following changes have been made:

- The POST (create) / PUT (update) method for building have changed:
 - the field classificationType has been deprecated.
 - new field buildingUsageOtherDescription is added to enable a description for the other category
- The POST (create) method for buildingfile is extended with a new field classificationTypeid. This field tells the system which classification (nl-sfb/ebkp/omniclass/etc) the file uses.

2.2 Bug fixes

The following bug has been fixed on the platform:

- Visual representation of percentages in pie charts on page “Source file quality” is not always shown correctly (page is not automatically refreshed).
- Generation of materials passport (pdf): progress indicator remains active even though materials passport is ready.
- Display of composite elements (assembly) is shown in “Enrich” screen to only 1 sub-level.
- Building archive: link to the building is missing in the breadcrumb.
- The tiles on the home page of a private account will lead to a "Page not found" message on the page.
- Lifespan of a product in the database is limited to 1000 years.

3 Build 8820

3.1 New functionalities

3.1.1 Expansion of matching types within the search criterion material / product

In Madaster it is possible to add a material and / or product in your own database, which can be used in the matching process. Search criteria can be used to automatically link this "own" material / product. Within a search criterion, two new matching types have been added, namely:

- **Contains (Case sensitive)** – extension of “Contains” matching the values that contains the exact criteria including casing (lower/upper).
- **Equals (Case sensitive)** – extension of “Equals” matching the values which are equals to the criteria including casing (lower/upper.)

ADD CRITERION

Search criterium *
NLR5_47_GM_WPB_gootklos_gen_WCE:plantenbak klos_50x200x80

Matching type *
☐ Contains
☒ Contains (Case sensitive)
☐ Equals
☒ Equals (case sensitive)
☐ Starts with
☐ Ends with

Language *
All languages

SAVE

Examples

Matching Type	Criteria	Value	Is a Match?
Equals	ABS	abs	✓
Equals	ABS	ABS	✓
Equals	ABS	Abs	✓
Equals	Abs	abs	✓
Equals	Abs	ABS	✓
Equals	Abs	Abs	✓
Equals (case sensitive)	ABS	ABS	✓

Equals sensitive)	(case	Abs	ABS	✗
Equals sensitive)	(case	ABS	abs	✗

3.1.2 Possibility to override the default (based on building usage) demolition and dismantling costs.

The Financial module of the Madaster platform provides insight into the financial (residual) value of materials used in a building. Specific costs such as demolition and dismantling costs are used in the calculation. Until now, these demolition & dismantling costs based on the building usages were not visible to the end-user on the building. In this release, default the demolition and dismantling costs have been made visible on edit of a building and there is a new possibility to override these.

Usage *
Semidetached

☐ Override the demolition costs (default: 26 EUR/m²)

☒ Override the demolition costs (default: 69 EUR/m²)

Demolition costs
72 EUR/m²

4 Build 8556

4.1 Bug Fixes

The following bug has been fixed on the platform:

- Folder overview page: navigating to a subfolder leads to a Page not found.
- Product/Materials search criteria: the label for equals criteria was wrong equals (Case sensitive) instead of Equals.

5 Build 8382

5.1 New features

5.1.1 UI improvements

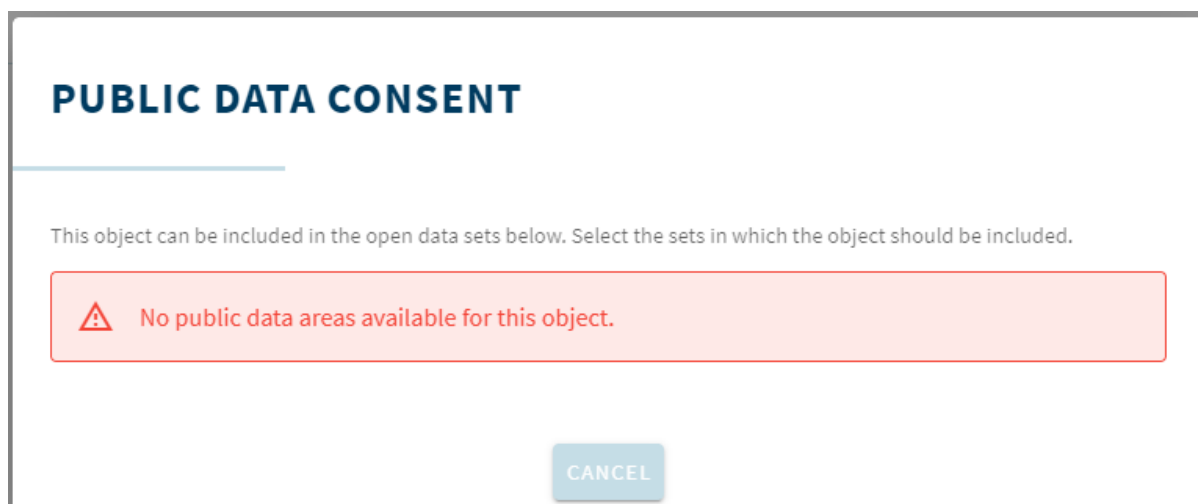
On the financial tab the bar charts have a mouse over displaying the values.

5.1.2 New classification method “Shearing Layer”

If a customer uses none of the classification available for that country in Madaster, it is now possible to just use a simple code to directly map the elements to the proper shearing layer of Brand.


5.1.3 New Button “Public Data” on building (NL only)

To support future functionality to ask consent to be able to use building data with a specific license within a location boundaries.



PUBLIC DATA CONSENT

This object can be included in the open data sets below. Select the sets in which the object should be included.

 No public data areas available for this object.

CANCEL

5.2 Bug Fixes

The following bug has been fixed on the platform:

- Percentage on the financial tabs where not properly displayed. (100% instead of 1%).
- Excel passports: material column names are missing when displaying products.

6 Build 8029

6.1 Bug Fixes

The following bug has been fixed on the platform

- When language settings are German or French, the databases list do not show material and/or products in chosen language but English.

7 Build 8023

7.1 Bug Fixes

The following bug has been fixed in the Public API

- Error when creating a buildingfileelement containing a materialId.

8 Build 8021

This release contains the following items:

8.1 Expansion material & product fields

In Madaster it is possible to add materials and / or products. In this release, a number of new tabs have been added at both material and product level and existing tabs have been changed in terms of design and content.

8.2 Addition of “Environment”-tab

In line with the guidelines from Platform CB'23 and to support producers / manufacturers in adding the necessary product data fields to comply with Environmental Product Declarations (EPDs) and to generate product passports, this release delivers for materials and products in Madaster a new tab, namely the 'Environment' tab.

PRODUCT INFORMATION CIRCULARITY **ENVIRONMENT** SEARCH CRITERIA FINANCIAL

This is in line with the [Bepalingsmethode Milieuprestatie Bouwwerken](#) (environmental performance assessment method); the calculation method for determining the environmental performance of construction works during their entire lifespan, based on the EN 15804 standard.

In addition to environmental information (such as Environmental Cost Indicator and NIBE classification), this new 'Environment' tab in Madaster contains the environmental impact categories (incl. toxicity) as in force in the European standards:

- EN 15804/A1:2013 (“set 1”) en

SET 1		SET 1 - TOXICITY	
Global Warming Potential 100 years	kg CO ₂ e	Human toxicity potential	kg 1,4-Dichlorobenzene
0		0	
Acidification potential of land and water	kg SO ₂ e	Freshwater aquatic ecotoxicity potential	kg 1,4-Dichlorobenzene
0		0	
Eutrophication potential	kg (PO ₄) ³ e	Marine water aquatic ecotoxicity potential	kg 1,4-Dichlorobenzene
0		0	
Photo Chemical Oxidant Formation	kg C ₂ H ₄ e	Terrestrial ecotoxicity potential	kg 1,4-Dichlorobenzene
0		0	

- EN 15804/A2:2019 (“set 2”).

SET 2		SET 2 - TOXICITY	
Global Warming Potential Total	0	Potential Incidence of disease due to PM emissions	0
	kg CO2e		
Global Warming Potential Fossil	0	Potential Human Exposure Efficiency relative to U235	0
	kg CO2e		kBq U235-eq
Global Warming Potential Biogenic	0	Potential comparative toxic unit for ecosystems	0
	kg CO2e		CTU-e
Global Warming Potential Land use and Land use change	0	Potential comparative toxic unit for humans - cancerogenic	0
	kg CO2e		CTU-h
Ozone Depletion Potential	0	Potential comparative toxic unit for humans - not(cancerogenic)	0
	kg CFC11e		CTU-h
Acidification Potential Accumulated Exceedance	0	Potential soil quality index	0
	mol H+e		
Eutrophication Potential Fresh Water	0	Toxicity: Contains materials that are on the Cradle-to-cradle banned list of chemicals? <input type="radio"/> Unknown <input type="radio"/> Yes <input type="radio"/> No	
	kg PO4e		
Eutrophication Potential Marine Water	0		
	kg Ne		
Eutrophication potential terrestrial	0		
	mol Ne		
Photo Oxidant Creation Potential	0		
	kg NMVOCe		
Abiotic Depletion Non Fossil	0		
	kg Sbe		
Abiotic Depletion Fossil	0		
	MJ		
Water Use Deprivation Potential	0		
	m³e depr.		

8.2.1 Addition of “Circularity”-tab

PRODUCT INFORMATION **CIRCULARITY** ENVIRONMENT SEARCH CRITERIA FINANCIAL

In line with the guidelines from Platform CB'23, a new tab has been added in this release at both material and product level, namely the 'Circularity' tab. It displays and further specifies existing “Feedstock input” and “Output” (waste scenario) sections (now available under the "Material Information" or "Product Information" tab) on a separate tab.

FEEDSTOCK INPUT

VIRGIN FEEDSTOCK : 100%

0% Renewables

0% Renewable feedstock Sustainably Produced

0% Rapid Renewables

0% Rapid renewables sustainably produced

SECONDARY: 0%

Reuse

0

%

0% Subcomponents reused

0% Reuse

0% Recycled (0%Recycling Efficiency)

OUTPUT

CHECKLIST REUSABILITY

☐ The fastenings are accessible and the product can be removed without removing/damaging other parts of the building

☐ The product can be disassembled with standard (hand) tools without damaging the product or products attached to the product

☐ The fastenings and assembly method of the product is standardized and pre-manufactured

0% Reuse of sub components

0% Available for reuse

0% Available for recycle (0%Recycling efficiency)

0% Landfill

100% Incineration

A new section has also been added for "Scarcity".

SCARCITY

0% Exhaustion Risk

0% Socioeconomic scarce

8.2.2 New product identification fields

In preparation for entering product information (by producers / manufacturers) in Madaster and subsequently being able to automatically match these products with elements in source files (IFC / Excel), the number of product identification fields has been expanded in this release.

In addition to "product code", the fields "GTIN" and "EAN" are now also available separately and the Madaster system also automatically validates whether elements in source files contain this coding. If this is the case, the Madaster system will be able to automatically match such an element to the corresponding product in the Madaster database.

Product code

GTIN

EAN

8.2.3 New fields for product origin

In preparation for entering product information (by producers / manufacturers) in Madaster, a number of specific manufacturer and production site fields have been added in this release.

MANUFACTURER	PRODUCTION SITE
Name	Name
Website	Website
Street	Street
City	City
Zipcode	Zipcode
Country	Country
GLN	GLN

8.3 Upload new version of a source file which preserves existing mapping.

The Madaster platform offers users the possibility to read source files at different times during the life of the building. So far, there was no specific functionality to upload a new version of source file. Therefore, the files had to be uploaded and mapped as a completely new source file. This release introduces a new feature that allows users to upload a new version of a source file in Madaster preserving previously mapped materials/products.

Instead of the usual upload procedure, this function starts via the upload icon (in Dossier tab) that is located behind the version of the source file to be replaced.



Subsequently, the regular upload process steps must be followed. The system will process the new IFC file and, if a unique element occurs again and is linked in the previous IFC file, will maintain this relationship. Ultimately, only one version of the source file can be activated in the building dossier. By activating the most recent version, the system will automatically deactivate the old (replaced) IFC file.

8.4 Platform improvements

Madaster strives to implement improvements in the platform on a continuous basis. If necessary, this is carried out by means of hotfixes. The improvements below have been implemented in the platform as part of this release.

8.4.1 Add complete product in enrichment process.

The Madaster platform offers users the option to add a new material or product and / or copy an existing material or products (and modify it) during the “Enrich” process (manually linking elements in the source file (IFC / Excel) to materials and / or products). Certain material / product information (including search criteria and bill of materials) could not be entered directly in this process. In this release, the user is offered the option, if desired, to enter all relevant material or product data directly in the “Enrich” step.

8.4.2 Financial dataset representation (material)

When adding a new material in the Madaster platform, the user can, if desired, select a financial dataset in the material tab “Financial”. The selected dataset is then used to provide insight into the

financial (residual) value (at material level) in the Financial module of the Madaster platform. Previously, if a user did not select a financial dataset, it was not immediately visible that the system assigned an alternative (so-called "fallback") financial dataset (linked to the Madaster material classification) to the new material. In this release, this is modified so that this "fallback" dataset is also displayed in the material's "Financial" tab.

8.4.3 Other bug fixes

- When adding a new material and / or product, a check is now performed per database to see whether the search criteria used are unique. If a material and / or product is deactivated, the relevant search criteria are automatically removed to ensure that these search criteria do not become unjustifiably unusable.
- When adding an "Area" product (m²) in Madaster, the minimum height has now been adjusted, so that products with a height of less than 1 cm can also be added.
- Changes to the material name are now also immediately visible in the product tab "Bill of Materials", if the material is part of one or more products in Madaster.
- The interface of the vertical navigation drawer (left side of the screen) is immediately refreshed when executing the function "move building" (in user's own folder type structure).