Release notes

New functionalities & adaptations to the Madaster platform

For	By	Date and hallmark
Users Madaster platform	Madaster	11 September 2020
		2020-05

1. Table of contents

1 Multiple databases per account / folder / building

1.1. Organisation of account: databases

Since the summer of 2020, the Madaster platform has had several folders per account, which may contain subfolders or buildings. In this way, the platform supports the user's organisation. To further support this organisational structure in terms of materials and products, it is now also possible to create and use multiple databases at different levels (e.g. project, portfolio and/or building level) within one's own account.
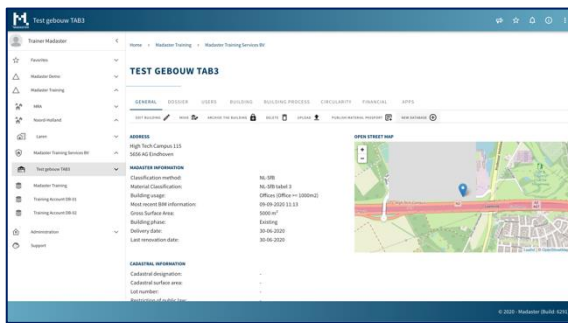
A created database can be found in the navigation drawer on the left-hand side of the screen. The images below show a number of levels on which a new database can be created in the platform.
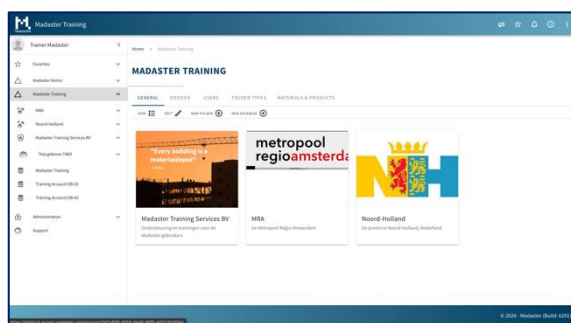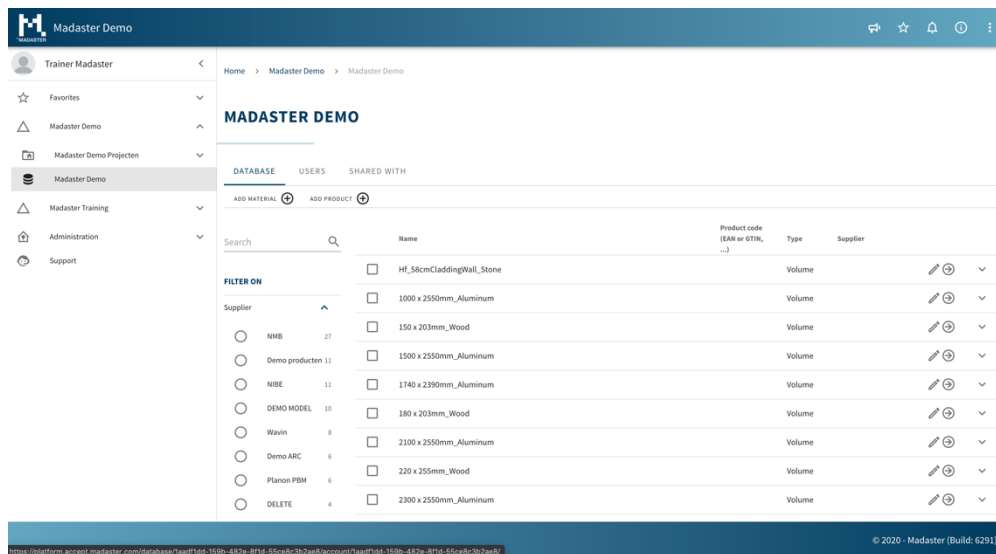

Database creation at account level
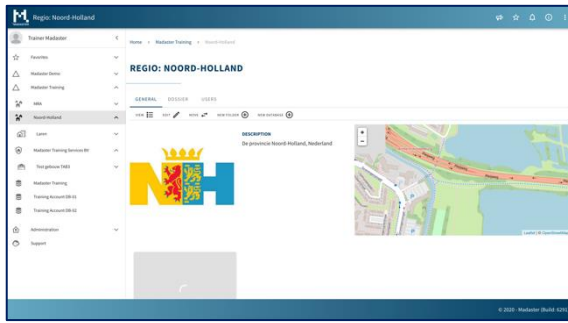
Database creation at folder level

Database creation at building level

It is also possible to create multiple databases at one particular level for a folder or building.

These databases are always visible in the navigation drawer at the level of the account, the (sub)folder or the building.

1.2. Database properties

A database itself has, in the first instance, minimal properties: a name and the possibility to use this database as a standard selected database when uploading a source file.

If a database is shared, a number of properties are added, which relate to the use of the (shared) database. More about this in section 2.1.

1.3. Users

Just as with accounts, folders and buildings, databases can also be used by several people or by another IT system using an API token. Users can now be invited and receive rights as administrator or contributor. The latter role can only create or modify materials and products in the platform.
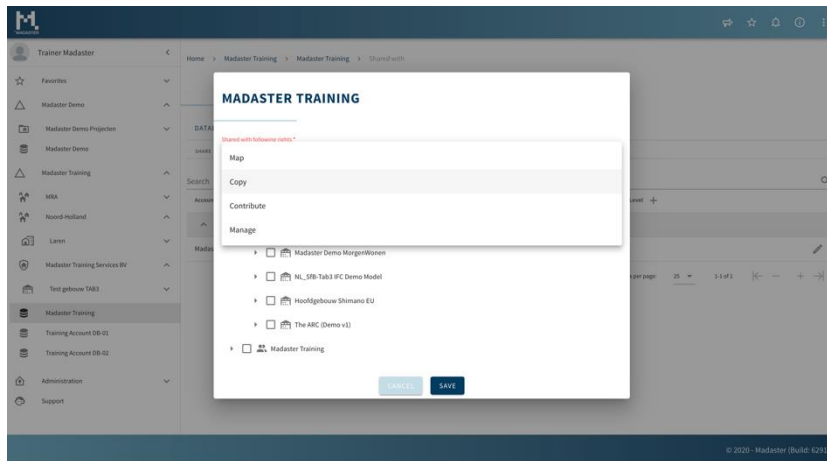
1.4. Shared with

In order to enable users to use the materials and products from their own account/folder/building or to make them available in another account/folder/building, it is possible to share a database. This can be done both internally as well as with another (external) account.

2. Sharing databases with other accounts, folders, buildings

As introduced in section 1.4, it is possible to share your own database(s). A database can be shared with multiple accounts, folders or buildings. This makes it possible, for example, for a company to set up your own database and then make these materials and products available to another user working under a different account.

2.1. Sharing a database: rights

At the moment a database is shared, it is necessary to determine the rights with which the users -of the account/folder/building with which you share it- can use the materials and/or products.

A database can be shared with four different rights, properties:

**Map** – elements can be linked to the materials and products in this database.

Copy – the materials and products from this database can be copied.

Contribute – new materials and products can be entered into this database by the users with whom this database is shared.

Manage – the database can be managed by the users with the rights, on the account/folder/building with which this database is shared.

2.2. Sharing a database: account, folders, buildings

A database can be shared with multiple accounts, folders or buildings. This makes it possible to create a central database that supports multiple folders and buildings or specific databases for certain types of buildings. After sharing a database you get the choice to determine which accounts, folders, buildings have access to the shared database.
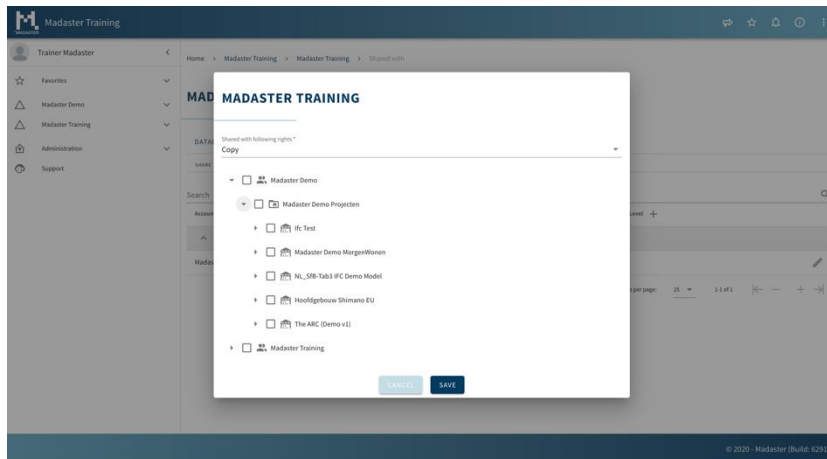
A database can be shared with other account(s), and/or one or more folders and/or buildings..

2.3. Share and use

The materials and products in a shared database are "synchronised": it is the same database, accessible from multiple accounts, folders and/or buildings. Changes and additions made by one user are also available to all other users of this database..

3. Archiving of buildings

In order to preserve a fixed, certain state of a building or to transfer a building to another account, the "archive a building" functionality has been added. This functionality is available on the "General" tab of a building.

3.1. What happens?

By archiving a building, the platform creates a collection of all the files of a building, with the active source files at its core. The archive is given a Version Name and a Version ID when it is created (entered by the user).
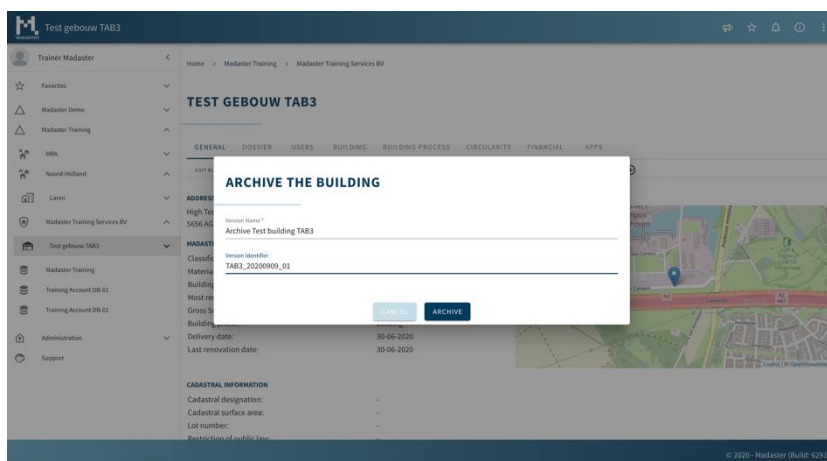

All materials and products linked to these active source files are copied to a new database belonging to the archive. This includes all general documents from the Dossier. Finally, a new materials passport is generated. The archived building receives a time stamp and is available as a separate archive at the building (in the navigation drawer on the left side of the screen).

3.2. View archive

The archive will be available as a separate item under the building in the left navigation drawer. All tabs available in a building can also be viewed in the archive..
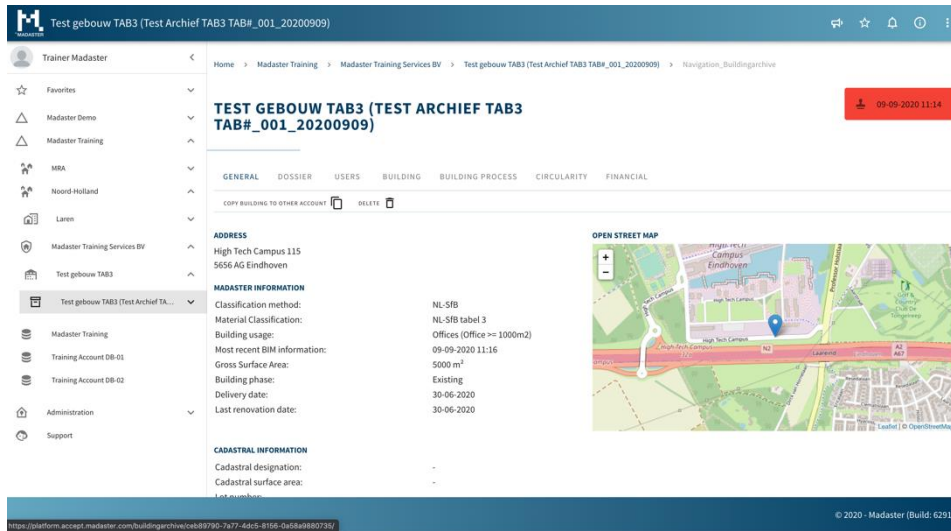
All linked materials and products are also added to the archive in a separate database..
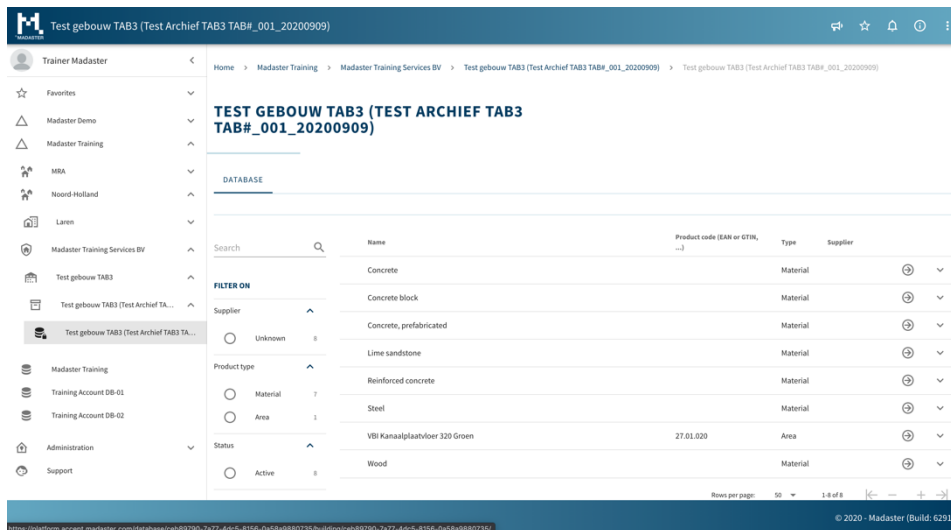
3.3. Transfer Archive

A desired functionality is transferring a building to another account. For example, by a builder who wants to transfer the Madaster registration of the building to the owner after completion. Or, for example, a developer who wants to transfer the dwellings including the file and Madaster materials passport to the owner. Madaster now offers this functionality, whereby an (unchangeable) copy of the
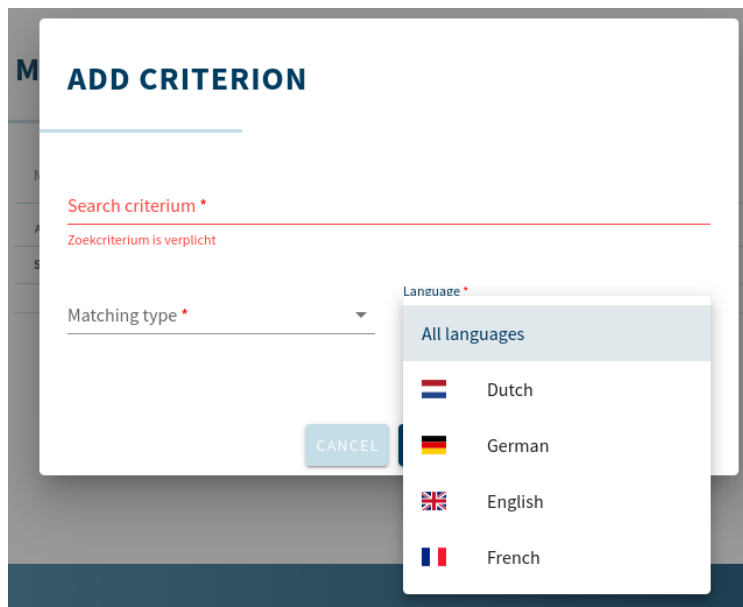
archive remains available in the original folder/account. This is activated by clicking on the "Copy building to other account" button and selecting another account and/or folder.

4. Improving the matching proces

The core of the Madaster platform is the automatic matching of the IFC elements from the source file with the selected databases. Madaster is continuously improving this process, speeding it up and above all making it more reliable.
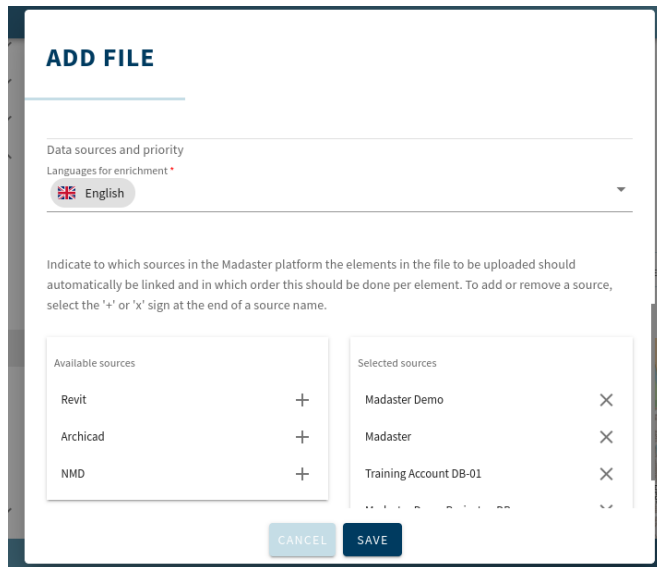
4.1. Matchingcriteria

In product/material matching criteria can be provided in Madaster, these criteria are used to match a material name from the IFC with a material or product in Madaster. In this release it is possible to specify a language for a criterion, these are the languages supported by the platform. The option "All languages" can be used to create a language independent criterion:

During the import of an IFC file, you can specify which matching criteria should be used by specifying which languages appear in the IFC file:

During the import, all matching criteria of the selected languages and the language-independent criteria are used for the material/product matching.

4.2. Typename

In this release the matching has been extended with matching on TypeName. The platform first tries to make a match with a product based on the value of the IFC field TypeName, when this fails the platform will make a match with materials and products based on the material field.

Figuur 1 Extra matching based on field name "Type Name" (like Improving the matching process

The core of the Madaster platform is the automatic matching of the IFC elements from the source file with the selected databases. Madaster is continuously improving and speeding up this process and, above all, making it more reliable.

5. API

In this release a new version of the API has been introduced.

5.1. Version 3.0

In version 3.0 of the API the following functionalities have been changed/added:

- Portfolio has been cancelled and replaced by folders
- Maintenance of databases
- Maintenance of materials/products in databases

- o   Netherlands specific: linking materials to the nl-Sfb table 3 structure (material families)
- Batch function for maintenance of BuildingFileElements (ifelement)

5.2. Version 2.3

In this release the functionality has been made compatible with the new functionality of materials databases. Materials and products that are created are created in the account database. There is no functionality to use databases, this functionality is available in API version 3.0.

> **WARNING:** API version 2.3 will be deprecated on 1 December 2020