



# SimaPro Full Update Instructions

# Colophon

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# 1 Introduction

This document describes how to update your current software and database from SimaPro 7.3.3 - SimaPro 8.0.5 to the latest release of SimaPro. In the “What’s new in SimaPro 8.2” document you can find information about the changes in the data, methods and software.

You will find detailed instructions below. Please read these carefully. Should you still have questions, please contact your local [SimaPro partner](#) or the PRé helpdesk by email at [support@pre-sustainability.com](mailto:support@pre-sustainability.com). You may also contact us by phone at +31 33 4504010.

## A summary of the update procedure

The update procedure can be summarised as follows:

1. **Software update:** Update your SimaPro single-user or multi-user client software to the latest release. There is no update for the SimaPro database server.
2. **Database update:** Import the full update database which includes the latest version of all data and methods.

# 2 Updating the SimaPro software

## 2.1 Multi-user versions

We recommend that multi-user updates are done by your network administrator. Please note that:

- All SimaPro multi-user *clients* have to be updated to the latest SimaPro release.
- The SimaPro Database Server software does not need to be updated.

## 2.2 Procedure for updating single-user and multi-user client

The procedure for updating the single-user and multi-user SimaPro client software is as follows:

1. Download the SimaPro installation file **SetupSimaPro823.exe** from [this link](#) to each computer that runs the SimaPro single-user or SimaPro multi-user client.
2. On each computer, double-click **SetupSimaPro823.exe** to start the installation. Follow the instructions in the setup wizard. You may be asked for your SimaPro registration name and code. The current SimaPro software will be uninstalled and then replaced with SimaPro 8.2.3. Note that your database(s) will not be uninstalled!
3. Next, proceed with the database update procedure as described in section 3.

# 3 Updating the database

## 3.1 Database update

This chapter describes how to update your database. The update process consists of four parts:

1. Installing the update database that contains the new data.
2. Importing the update database into your SimaPro database(s).
3. Doing an append action to merge synonyms in the substance list.
4. Using the replacement files to update links in your projects to the most recent data libraries.



These steps are described in detail in the following sections. In Box 1 and 2 you will find tips for updating multi-user licences and an overview of the default database locations. You have to follow the database update procedure for each SimaPro database that you want to update.

Please note that any *changes* you have made in the library entries or in the original methods supplied in the Methods library will be lost during the update. Processes, product stages or methods that you have *added* (for example by copying) to the libraries that are to be updated will still be there. [Contact us](#) for assistance if you wish to keep your changes.

### Box 1. Updating a database in a multi-user environment

In a multi-user environment, updating a database directly on the database server is very slow due to additional network traffic. The update can take several hours, in the worst case up to 15 hours or more. If you have one of the professional multi-user licences, you can also do the database update locally on a (fast) PC with the SimaPro client installed. This is much quicker.

To do that, login as Manager and check under Tools, User Management that no users are logged into the SimaPro database. If so, you can close SimaPro. Locate the database on the server's hard drive (see Box 2 for default locations) and copy the database (a set of 77 numbered \*.NX1 files) to your local hard drive. In the "Open SimaPro Database" window, choose "Local server", browse to the directory you copied the database to. Continue with the update instructions in section 3.2. After updating, copy the database back to its original location on the server.

Owners of an educational Classroom licence do not have "local server" database access, but should request a temporary single-user licence via [support@pre-sustainability.com](mailto:support@pre-sustainability.com) to do the update locally. We will include further instructions on how to update.

### Box 2. Default directories

SimaPro installs updates in the default database directory if no other location is chosen. The default directory depends on the version of Windows where your database server is running:

- Windows 7, Windows 8, Windows 10, Windows 2008 server, Windows 2012 server:  
C:\Users\Public\Documents\SimaPro\Database\
- Windows 2003 server: C:\Documents and Settings\All Users\Shared Documents\SimaPro\Database

If you have a multi-user version and cannot find the database in one of the default directories, open the SimaPro database server. In the list of aliases you can see the location(s) of the database directories that are being used.

## 3.2 Installing the update database

Download the file **SetupFullUpdateDatabase823.exe** from [this link](#). In the location where you saved the file, double-click **SetupFullUpdateDatabase823.exe** to install the "FullUpdate823" database. Make sure SimaPro is closed otherwise you will receive a warning message.

You have to do this on each computer with SimaPro single user installed (you may also copy the files). For the multi-user, one installation is sufficient.

The "FullUpdate823" database will be installed in the default directory (see Box 2 above). Follow the instructions in the setup wizard. This process will install the update database on your computer, but it will not yet update the active databases.

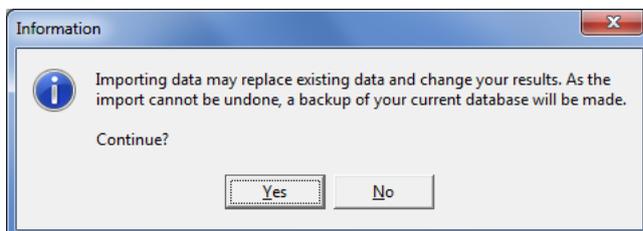
*Multi-user version:* since we recommend doing the database update locally, the update database does not have to be installed in one of the locations (directory aliases) defined in the SimaPro database server. Instead, you can do the update on a local hard drive and then copy your updated database back to the server (see Box 1).

If you notice any older update databases (named Update802, Update805, Update810 or similar) and you are sure you already imported these updates, you can delete these with Windows Explorer to free up disk space and avoid confusion. To avoid deleting useful databases by accident, please open each database before deleting it to check for any projects that need to be kept.

### 3.3 Importing the update database

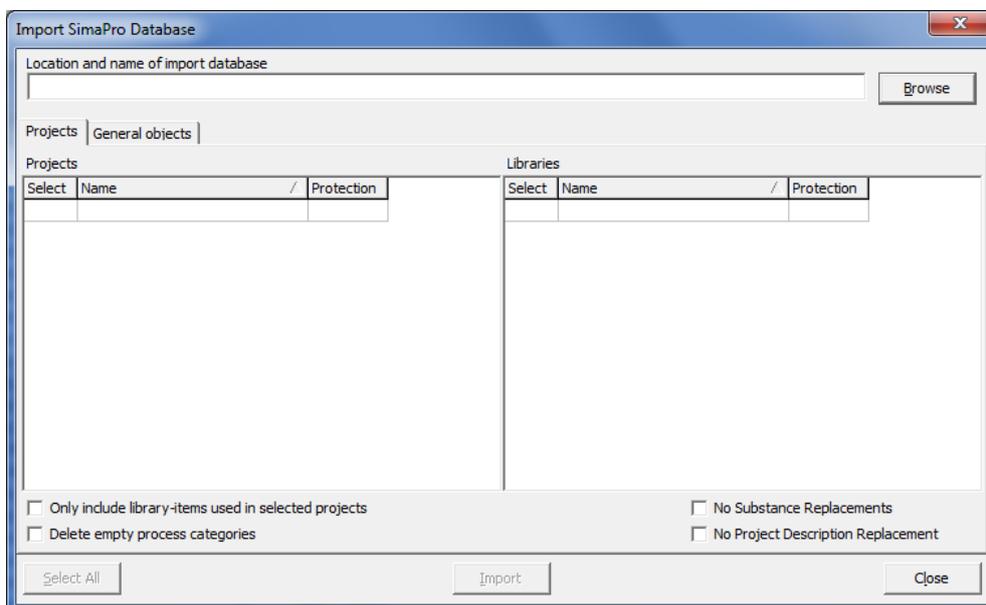
Follow these steps to import the new data:

1. Start SimaPro 8.2.3. If you have a multi-user SimaPro licence, log in as Manager. Make sure no other users are logged in at this moment, because the database will be locked during import. During the update process, users cannot log in to SimaPro.
2. On opening the database for the first time, a technical conversion will take place which does not alter the content of your database. However, after conversion the database cannot be opened with any previous versions of SimaPro anymore. SimaPro will create a (obligatory) backup of your database. Click Yes to continue. Once the backup and conversion are completed, the database will be opened.
3. Check if the database you want to update is open in SimaPro. The database name is found in the blue bar at the top of the SimaPro window. If the database is not open, go to File> Open SimaPro Database and select the database you want to update (the database you usually work in).
4. Go to File > Import SimaPro Database. Click “Yes” to continue when the message below appears.

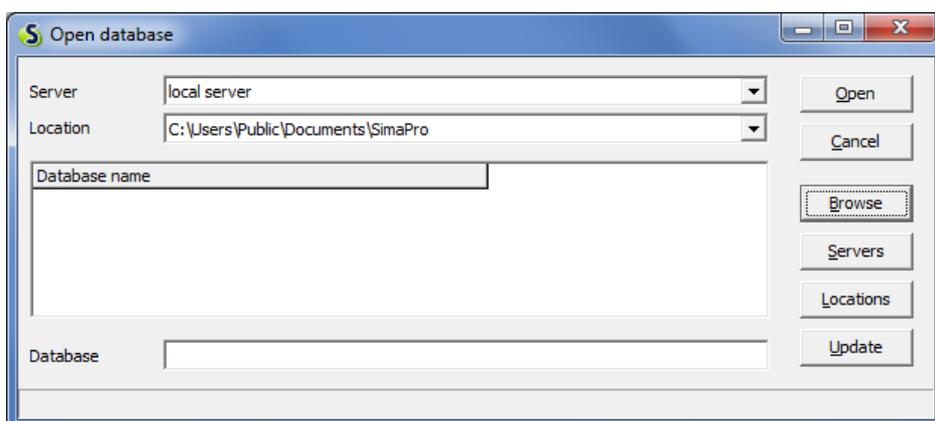




5. The “Import SimaPro Database” dialogue box will appear:



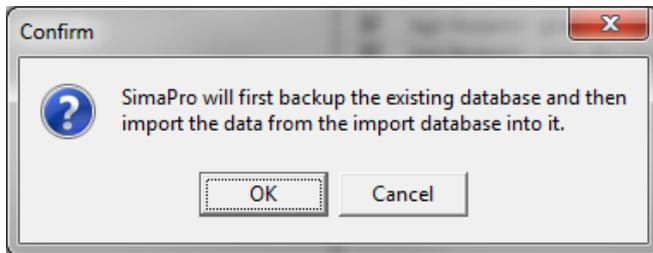
6. Click “Browse”. The “Open database” dialogue box will appear (“local server” is shown in multi-user versions only):



7. The update database (FullUpdate823) will appear in the “Open Database” dialogue box. Click “Open”. You will see the libraries that need to be imported.

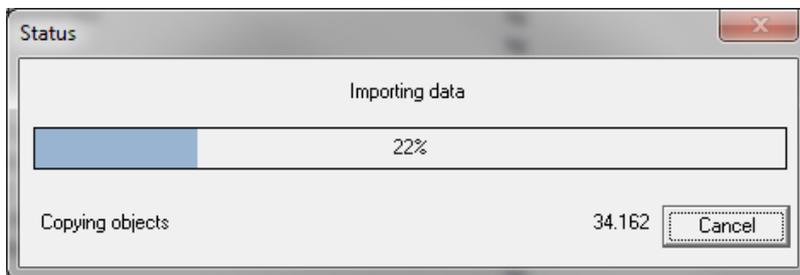
If you do not see the “FullUpdate823” database, click the “Browse” button in the Open database window. Browse to the directory where you installed the update database, select the “FullUpdate823” database (see Box 2 for the default directory) and click “OK”.

8. Click “Select all” at the bottom left of the window. Alternatively make a selection of the libraries you want to import. Note that if you selected all libraries the import will take a significant amount of time (up to several hours depending on a number of factors). Next, click “Import”.
9. The data will be scanned and an overview will be generated of all the data that are added or replaced. We recommend that you save this overview.
10. Click “OK” to start the import process. Before data importing starts, the program will prompt you to make a backup.



After clicking “OK”, select the folder you want the save to backup file in (for example, the default directory; see Box 2). Note: if you click “Cancel”, the update procedure is stopped.

11. The data in the update database will now be imported into the existing database.



### Box 3. Import errors

Should SimaPro report any import errors, please save the log file and make screenshots if possible. The overview of issues in the log file may help you to find out what went wrong. For assistance, please send an email to the SimaPro helpdesk at [support@pre-sustainability.com](mailto:support@pre-sustainability.com) and include the log file and any screenshots as attachments.

We appreciate it if you could include the results of the database check, which can be done via File > SimaPro Database Management > Check Database.

## 3.4 Appending substances

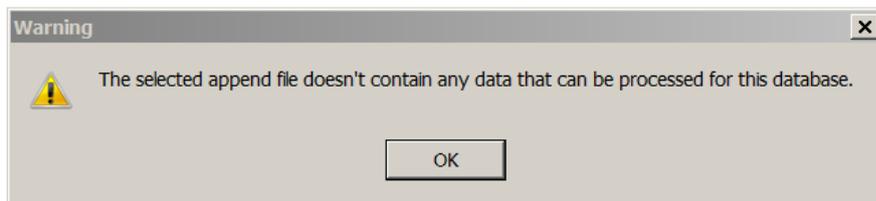
The next step is to do an “append substances” action to convert some old substance names in your database to the latest substance naming convention in SimaPro. If you do not do this, mismatches between life cycle inventory and impact assessment data may occur, leading to incorrect LCA results. The replacements are defined in the append file that is installed with the update database.

Appending merges two synonymous substance names into one. For example, CO<sub>2</sub> needs to be appended to Carbon dioxide, the latter being the name used in the most recent version of SimaPro and in the impact assessment methods. Without appending CO<sub>2</sub> to Carbon dioxide, any use of the substance named CO<sub>2</sub> in processes will not show in the impact assessment results.

1. Go to the “Substances” section under “General Data” in the LCA Explorer screen.
2. Click “Append”. A new window will open.
3. Click “Load” on the right hand side and select the append file: “AppendSubstances823.xlsx”. The append file is found in the same directory as the update database (see Box 2 for default directories).



4. Click "Append" on the right hand side of the window. After a final confirmation, the substances will be appended. Depending on the size of your database, this may take some time.
5. If you see a warning message as below, there are no substances that need appending in your database. There are no problems, you can continue with the next step.



## 3.5 Updating links in your projects to ecoinvent 3.2

Since the ecoinvent 3.1 library will be replaced by the updated 3.2 library, the majority of links to ecoinvent 3.1 will be updated automatically to ecoinvent 3.2. However, a number of processes from ecoinvent 3.1 are no longer supported and are considered obsolete.

As such, PRé has created special replacement files to allow you to change most of these obsolete links in your projects from ecoinvent 3.1 to the correct processes in ecoinvent 3.2 in a fast and easy way. Nevertheless, please be aware that some processes do not have a direct replacement and a replacement will need to be chosen manually.

As a number of users are still using ecoinvent 2.2, replacement files to update from ecoinvent 2.2 to the allocation default library or recycled content library in ecoinvent 3.2 also exist.

With this update, the following replacements files are available:

1. **Replace EI 3.1 to EI 3.2 allocation default (APOS)**
2. **Replace EI 3.1 to EI 3.2 allocation recycled content**
3. **Replace EI 3.1 to EI 3.2 consequential**
4. **Replace EI2.2 to EI3.2 allocation default**
5. **Replace EI2.2 to EI3.2 allocation recycled content**

### Manual replacement of Chinese electricity mixes

Please note that the replacement files will not replace Chinese electricity mixes, as they have become more specific. If you have Chinese mixes in your projects, you will need to replace them with the correct region manually.

### ecoinvent 3.0.1 waste treatment processes

The waste treatment processes in ecoinvent 3.0.1 with "(waste treatment)" added to the process name were created by PRé in order to be used in a waste scenario. With the new approach of handling waste treatment processes, they have become "obsolete" in ecoinvent 3.2. Links to these processes can be replaced with links to the new ecoinvent 3.2 waste treatment processes with a replacement action, so that your model is consistent.

Please [contact us](#) for more information and instructions on how to carry out these special replacements.

### 3.5.1 Using the replacement files

Follow the next steps for replacing the links in your project to your present library to the preferred library using one of the replacement files. You can also refer to [this video](#) for general instructions on using the tool: Projects to Libraries Links Manager.

1. Open a project in your updated database. This can be any project.
2. Go to Tools>Projects to Libraries Links Manager.
3. Select the project(s) of which you want to change links (press Ctrl-A to select all projects and Ctrl-Shift-A to deselect). You can use the filter to select project by (part of the) name.
4. Select the ecoinvent libraries where you want to transfer your links *from* and *to*.
5. Click "Scan".
6. View the links found by clicking on the tab "Links".
7. Click on the "Import replacements" button.
8. Select the appropriate Replacement file which can be found in the database directory (see Box 1) and click "Open".
9. Check the links which are going to be replaced in the column "Replace name".
10. Store your links in order to be able to check afterwards. It is also possible to add new replacement links yourself.
11. Click "Replace" to replace the links to the chosen library. You will get a message how many links are replaced to the chosen library.

### 3.5.2 Manual replacement (creating your own replacement file)

After replacing your links to the chosen library, you can check how many links to the previous library are still present. You can manually select replacement processes in the preferred library. You can also refer to [this video](#) for general instructions on using the tool: Projects to Libraries Links Manager.

1. Select the ecoinvent libraries where you want to transfer your links *from* and *to*.
2. Click "Scan".
3. View the links found by clicking on the tab "Links". The column "Child name" shows the library.
4. Double click any of the empty cells you want to replace under the column "Replace name".
5. A dialogue box will open in which you can choose an alternative link in the preferred library. Use the function "Show as list" on the right hand side of the screen to list all links. Filter the links from the preferred library by entering the suffix of that library in the filter box at the bottom of your screen.
6. Choose the preferred link and click "Select".
7. You will get a message '\* links referencing the same product. Use the selected replacement for them too?' These are the same links which are used in different projects or within projects. Choose "Yes" to replace all links. If you click "No" only the selected link will be replaced.
8. Click "Replace" to replace the links. If you want to replace all links at once and you did not finish the work, you can export the already selected links to Excel and import it at a later stage by clicking "Export replacements" and saving your replacement file.

## 3.6 Using the Replacement file on links to US LCI library

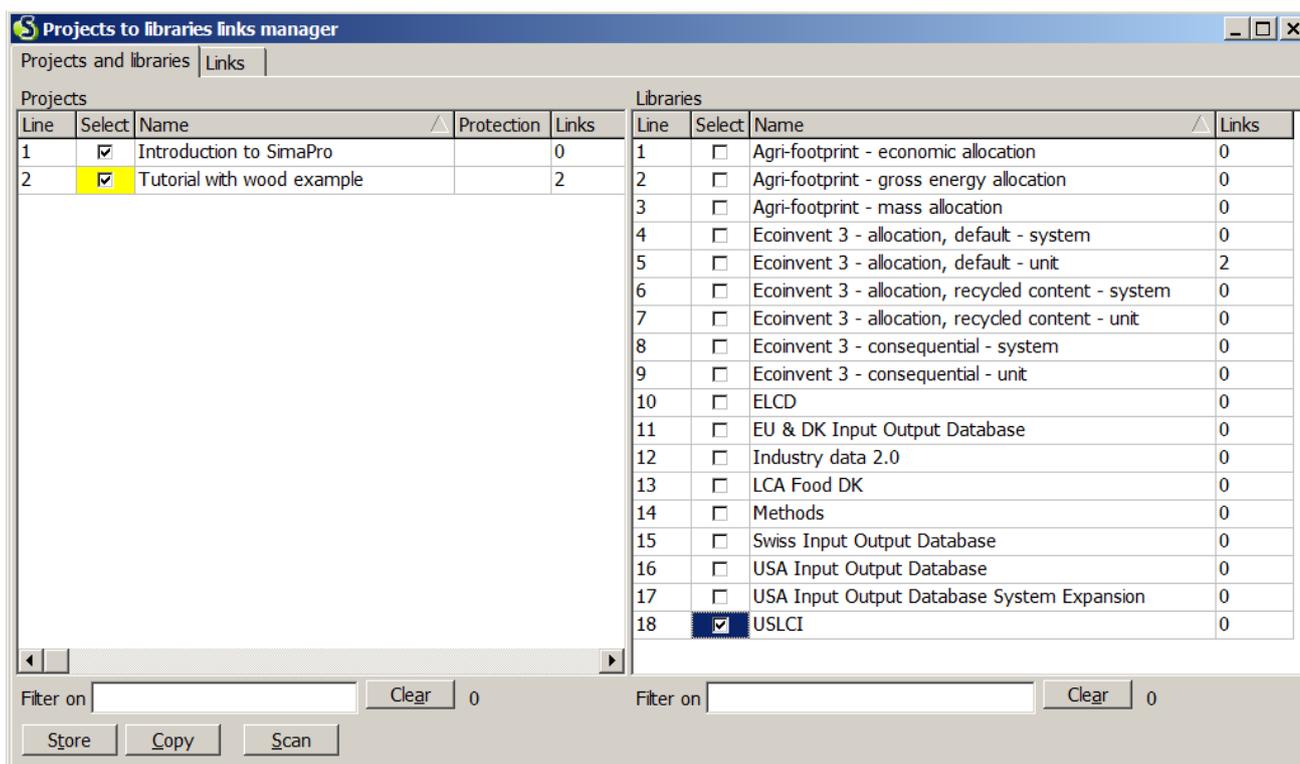
In the update of the US LCI library (released with SimaPro 8.1), a number of changes were made that require your attention if you have used US LCI data in your projects. Please note that this is an optional step.

With this update it was not possible to replace all processes 1:1 with the updated processes. We have decided to import multiple output processes as such, whereas previously we converted these to multiple single output files (some of which were empty). This means that some processes had to become obsolete and a new multiple output process is created. SimaPro, however, cannot replace 4 processes with the same single process during the import database procedure. To ensure that you link to the new processes and thus get the correct updated results, you need to check for any links that need replacement. PRé created a special replacement file to allow you to change the links in your project to the correct processes automatically. How to use this file is described below.

### Using the replacement file

Follow the next steps for replacing the links in your project to your present library to the preferred library using one of the replacement file:

1. Open a project in your updated database. This can be any project.
2. Open the "Project to library links manager" window by going to Tools>Project to library Links Manager.
3. Select the project(s) of which you know that they (could) use the US LCI library. Use Ctrl-A to select all projects (Ctrl-Shift-A to deselect). You can also use the filter to select project by (part of the) name.



Projects				Libraries			
Line	Select	Name	Links	Line	Select	Name	Links
1	<input checked="" type="checkbox"/>	Introduction to SimaPro	0	1	<input type="checkbox"/>	Agri-footprint - economic allocation	0
2	<input checked="" type="checkbox"/>	Tutorial with wood example	2	2	<input type="checkbox"/>	Agri-footprint - gross energy allocation	0
				3	<input type="checkbox"/>	Agri-footprint - mass allocation	0
				4	<input type="checkbox"/>	Ecoinvent 3 - allocation, default - system	0
				5	<input type="checkbox"/>	Ecoinvent 3 - allocation, default - unit	2
				6	<input type="checkbox"/>	Ecoinvent 3 - allocation, recycled content - system	0
				7	<input type="checkbox"/>	Ecoinvent 3 - allocation, recycled content - unit	0
				8	<input type="checkbox"/>	Ecoinvent 3 - consequential - system	0
				9	<input type="checkbox"/>	Ecoinvent 3 - consequential - unit	0
				10	<input type="checkbox"/>	ELCD	0
				11	<input type="checkbox"/>	EU & DK Input Output Database	0
				12	<input type="checkbox"/>	Industry data 2.0	0
				13	<input type="checkbox"/>	LCA Food DK	0
				14	<input type="checkbox"/>	Methods	0
				15	<input type="checkbox"/>	Swiss Input Output Database	0
				16	<input type="checkbox"/>	USA Input Output Database	0
				17	<input type="checkbox"/>	USA Input Output Database System Expansion	0
				18	<input checked="" type="checkbox"/>	USLCI	0

4. Select the US LCI library.
5. Click on Scan.
6. View the links found by clicking on the Links tab. This is an overview of *all* links to the US LCI library from the selected processes.
7. Click on the "Import replacements" button.
8. Load the replacement file ""Replace US LCI to SimaPro 810.xlsx" which can be found in the database directory (see Box 1).

9. Check the links which are going to be replaced in the column 'Replace name'. Note that it is possible that no replacements are needed.
10. Store your links in order to be able to check afterwards. It is also possible to add new replacement links yourself.
11. Click on the Replace button to replace the links. You will get a confirmation message how many links are replaced to the chosen library.

You have now finished the update procedure. Repeat for any other database you wish to update.

## 4 Contact Us

Please contact us or your [local partner](#) if you have questions about new features in the SimaPro software or database, or if you have any other questions related to the update.

- Website: <http://www.pre-sustainability.com/contact>
- Email: [support@pre-sustainability.com](mailto:support@pre-sustainability.com)
- Phone: +31-33-4504010