

## Change logs

### 1.5.3 to 1.6.0

#### New Features

- **Introducing the notion of tags**, which is a way to implement categories of incomes/expenses, but in a much more flexible and powerful way.
  - In Edit Scenario Dialog, add a **Manage Tags** buttons in the bottom left, which pops up a Dialog allowing to edit tags and their relationships with Cash Stream Definitions
  - In Edit Scenario Dialog, add a new filter “**Tag Filtered**”, allowing to see only Cash Stream Definitions that are linked to a modifiable user-defined set of tags
  - In Edit Periodic and Irregular Cash Stream Definitions, show the associated tags (read only)
- In About Dialog, add a new Contact tab for those who wish to know how to contact directly the author(s) of this software.
- In MainWindow,
  - Add a line at value  $Y=0$ , with user-specified color. This helps to identify rapidly if a point is above or below 0. Can be turned off in Options Dialog.
  - Add the file name of the scenario file opened in the top window title (chopped to 50 char max)
- In Options Dialog,
  - Reformat the Chart tab layout for better clarity
  - Add an option to show or hide the line at value  $Y=0$ . Default = Yes.
  - Add options to select the color of the  $Y=0$  line, both in Dark and Light mode
  - Add an option to control how the X-Axis Dates for charts are formatted (Locale, ISO 8601, ISO 8601 with 2-digits year)
  - Add an option to show or hide tooltips for the whole application. Default is “Show”
  - Make the Dialog modal
- In Edit Scenario Dialog
  - Rework the filters controls, so it is easier to understand and it takes less visual space.
  - It is now possible to select several Cash Stream Definitions and in one shot set the color of their names (“Set Color” button)
- In several Dialogs, optimize the spacing and position of the UI components to provide more space to the list of incomes/expenses, while maintaining the same window size.
- In all Dialogs, use short format for dates, because the long one takes up too much space when big fonts are used.

## Fixes

- When no scenario is loaded and a change is made on the Start Amount, the program crashes.

## Known Issues

- On Ubuntu systems (tested on 22.04 and 24.04), secondary windows (e.g. popup dialogs) are tied by default to the Main Window and cannot be moved. To be able to move them (which is recommended as it adds flexibility), you can use the Gnome Tweaks application : go to Windows->Attach Modal Dialog and toggle to OFF. Another approach is to type the following command in a terminal : `gsettings set org.gnome.mutter attach-modal-dialogs false`
- When a very large font is used as the application font (e.g. size 24), the menu in the Main Window is not wide enough to show the menu items texts. This is an issue with Qt itself and no solution has been found at the moment.
- In extreme scenarios (meaning that do not correspond to expected use cases of GBP), where really extremely large data set is generated (e.g. generate many events per day, every day, for 100 years), there could be a noticeable lag between the moment you click on a point of the Cash Balance curve and the relevant info is displayed in the right panel. This depends heavily on the speed of your computer. There is no easy way to speed up things internally, so I do not expect any improvement on this behavior.
- GBP is a Qt 6 application. Unfortunately, at the time of this writing, theme setting in some Gnome-based distributions (like Ubuntu 22.04) cannot be understood by Qt 6 application (they wont react to the change made to the theme). You can alleviate the problem by using the “Dark/light mode” settings in GBP Options menu : this will affect the rendering of all the charts in the application.

## 1.5.2 to 1.5.3

### Fixes

- Minor UI adjustments to better support very big fonts
- Improve the way GBP detects the default system font on Linux
- When no scenario is loaded, trying to launch the Analysis Module crashes the application

## 1.5.1 to 1.5.2

### Fixes

- When a new scenario is created right after the launch of the program (without loading first an existing scenario), trying to see the occurrences for a new income/expense would crash the program.

## 1.5.0 to 1.5.1

### Fixes

- In MainWindow, set limits to zoom in/out operations for the Cash Balance curve, in order to prevent insane levels (like zooming out 10000 years)

## 1.4.1 to 1.5.0

### New Features

- In MainWindow, change the zooming mechanism with middle mouse button, so that the zoom is made around the mouse position and not the center of the chart
- In MainWindow, upper toolbar, add the button “4Y”
- In MainWindow, add a new horizontal-only zooming, by pressing the SHIFT key when rotating the mouse wheel.
- In MainWindow, add a new vertical-only zooming, by pressing the CTRL key when rotating the mouse wheel.
- In Edit Periodic/Irregular Financial Stream Definition, add the capability to export the occurrences to a CSV file.
- In Option Dialog, add the option to localize the dates for all CSV exports.

### Fixes

- In MainWindow, change the Y axis font of the Cash Balance chart to “mono” type, to prevent small jittering when values change.
- In MainWindow, export to CSV, localize the date format according to System Locale.

## 1.4.0 to 1.4.1

### Fixes

- In EditScenario, when “Apply” button is clicked, refresh the Cash Balance curve while maintaining the X axis scaling as it was.
- In MainWindow, when baseline amount is changed, refresh the Cash Balance curve while maintaining the X axis scaling as it was.

## 1.3.0 to 1.4.0

### New Features

- Moved from Qt 6.2.4 to 6.8.0
- The Cash Balance chart component has been completely re-written (moved from QCustomPlot to standard QT QChart). This remove the bug related to incorrect X axis tick marks from time to time.
- Mouse wheel can be used to zoom in/out the Cash Balance curve. Options allow to set if moving away the wheel zoom in or out.

- The scenario file format has changed and gone from version 1.0.0 to 2.0.0.
- If no ini file (configuration file) is found at start-up, a welcome screen is shown.
- New General Info panel has been added to Main Window
- For Periodic Financial Stream Definition, when Scenario's inflation is selected to define the growth, offer an additional adjustment factor that allows the final growth to be proportional to inflation instead of exactly equal as before (e.g. inflation times a factor).
- For Edit Periodic and Irregular Financial Stream Definition Dialogs, completely rework the See Occurrence Dialog so that a chart for the generated events is also displayed (useful to see the general trend, not the details)
- In Options, remove the max no of years for which financial events are generated and transfer it to the scenario data.
- In Periodic Creation/Edition, add an option to set the end of validation data to the maximum allowed by the scenario, instead of specify it directly. This is activated by default when creating a new Periodic Stream Definition.
- In Scenario Properties Dialog, add file extension to the file name
- In Scenario Properties Dialog, add the max duration of the Financial Events
- In Edit Scenario Dialog, turn all disabled elements to gray (keep knockout font though)
- In Help menu, add a new option to see the Change Log for all versions of GBP since 1.0.0
- In About Dialog, add the name of the Locale used by GBP

### **Impacts on compatibility with older versions of GBP**

- Concerning the scenario file format change, gbp 1.4 and later will read without any problem the old format (1.0.0) and update transparently the file format to 2.0.0 when opening it. No data is lost or altered. However, older gbp 1.3 and previous versions won't be able to read scenario files created with gbp 1.4 and above, which are of version 2.0.0

### **Fixes**

- For a Period Stream Definition of type "END-OF-MONTHLY", if the start date was not on an end of month, it was still part of the generated stream (which is wrong). It is now removed.
- In the Analysis : Monthly and Yearly Tables, all months/years are now shown, even if there is no income/expense (value of 0).

## **1.2.0 to 1.3.0**

### **New Features**

- In menu “Help”, it is now possible to consult the full User Manual in PDF format, using the new menu item “User Manual”
- In menu “Help”, it is now possible to consult the a Quick Tutorial in PDF format, using the new menu item “Quick Tutorial”
- In menu “Help”, add to the “About” tab the full name of Config file and current Log file
- Update User Manual
- In Edit Irregular Dialog, if “Convert to Present Value” is enabled, add a label mentioning that all the amounts specified are “future values”.
- In Edit Irregular Dialog, add an option to “See all the occurrences”. This is useful if the option “Convert to Present Values” is activated in the Options Dialog, in which case the amounts will be different than what is specified in the table.
- Add tooltips for most fields in windows
- In Main Window, add a menu item in the “Scenario” named “Open Example”. This will load a sample scenario provided by GBP. The file is actually copied to System Temp directory and opened from there.
- For all MessageBoxes asking a question, set a default button
- Add a Scenario Properties Dialog in the Main Window, that provides some useful info like the file name, full path, format version, etc.

## **1.1.5 to 1.2.0**

### **New features**

- Implement the option to have all calculated amounts converted to Present Values using a user-defined discount rate set in Options Dialog
- Have Config file location displayed on the terminal at start-up
- Rename “Close” to “Hide” the Cancel button in EditScenario Dialog

### **Fixes**

- In EditScenario, when creating a new income/expense or duplicating an existing one, make sure the duplicated item is made visible (appearing in the view port of the table) after the operation

## **1.1.4 to 1.1.5**

### **New features**

- Adopt AGPL V 3.0 or later as licence
- Add Codeberg URL in the About box, under a new tab (“Source Code”)

### 1.1.3 to 1.1.4

#### New features

- Change RGB to Red Green Blue, remove smart color name because no localized version available
- Resize gray border for charts in Analysis Dialog to 1 pixel, no round corners
- Reduce font size for both X and Y axis for monthly and yearly charts in Analysis Dialog (does not work for KDE...)
- Add log entries to monitor Font Size settings by the program
- Edit Periodic now expands vertically in an optimal way
- Standardize labels format for all dialogs (no space at the end, everywhere)
- Standardize Formal Layout spacing (30,10) for all dialogs
- Standardize date format for Irregular Edit Dialog and Variable Growth Edit Dialog
- Make Edit Periodic and Edit Irregular same height (700) than Main Window
- Switch to native Color Chooser, to be able to support Locale language in OS (supported only in Windows and MacOS)

#### Fixes

- Fix translation for Analysis Dialog
- Fix percentage symbol not displayed sometimes in Edit Growth Dialog

### 1.1.2 to 1.1.3

#### New features

- Improve About box
- Remove options to set image export type and quality, always save in PNG quality=100

### 1.1.0 to 1.1.1

#### New features

- in Edit Periodic Stream Def, change Validity Range date format to MMM from MMMM
- in Edit Irregular Stream Def, change date format for a shorter version

#### Fixes

- fixe bug in calculation of variable growth

## **1.0.2 to 1.1.0**

### **New features**

- add option to set “today” value in “Options” window
- remove support for command-line argument -today=
- When requesting new scenario, switching scenario or quitting application, ask to save current scenario if changes have been made but not saved yet
- New decoration color feature for incomes/expenses names
- New layout for Options dialog (separate General from Charts related things)
- Improve sorting of StreamDef name by enabling locale-aware sorting

### **Fixes**

- Implement a mechanism to ensure settings is loaded just once

## **1.0.1 to 1.0.2**

### **New features**

- display today’s date in bottom startAmountLabel
- timeout of 5 sec on status bar message
- change main and editscenario window size to 1250 x 700
- adjust layouts of some windows