Heron
OPENING DOORS

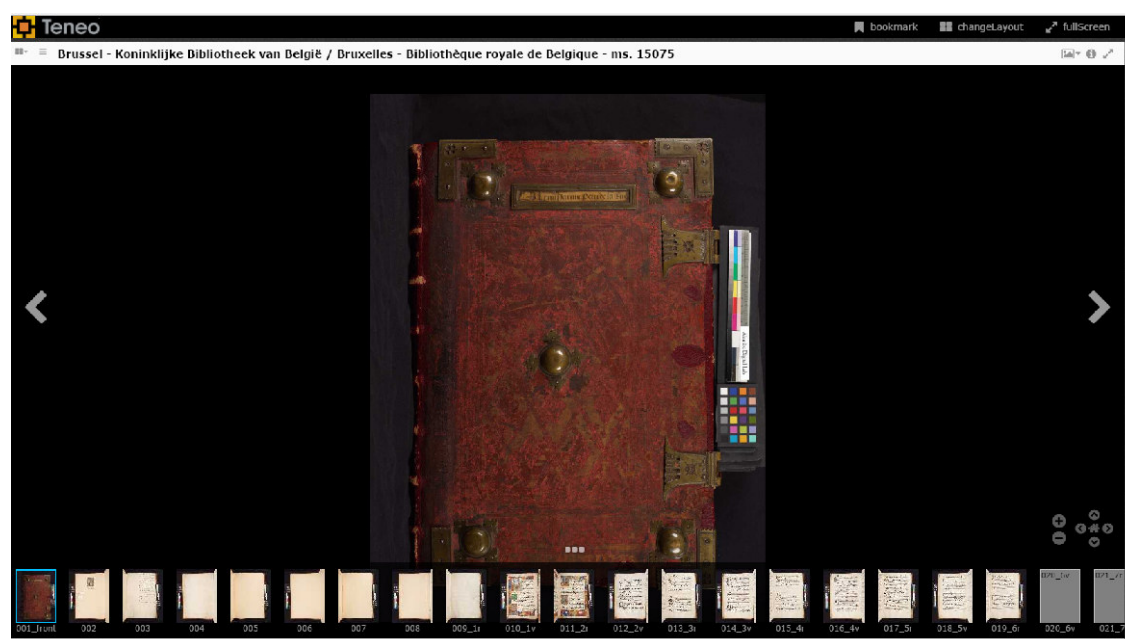# Tutorial Mirador Viewer 2.1

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Introduction

Mirador is a multi-window image viewing platform with the ability to zoom, display, compare and annotate images. It is very useful for examining archival materials like books and manuscripts that are very delicate.

In this tutorial we will explain all the features of Mirador 2.1 and how to use them. We recommend to use Chrome or Firefox as web browser, Mirador may exhibit problems with some features (like full screen mode or the manipulation tool) when you use Internet Explorer.
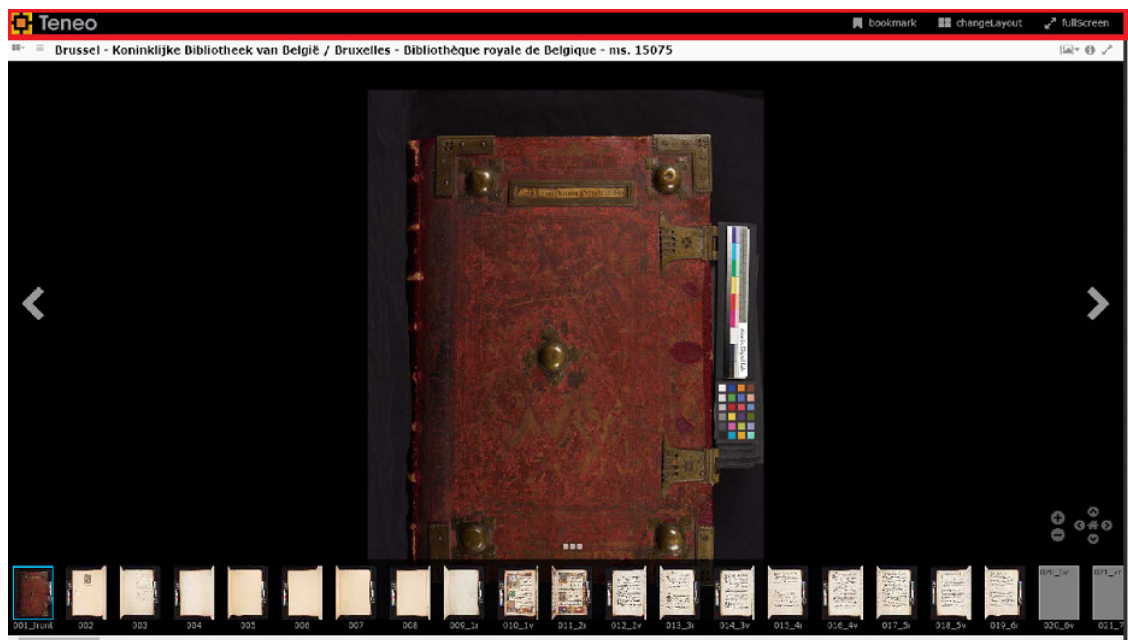
Features

1 Workspace

The user interface consists of a workspace and a top bar.

Top bar

The top bar remains in a fixed position at the top and has a black color. At the left, you will find the Teneo product icon. Clicking on the product icon, will direct you to the product details page of Teneo.
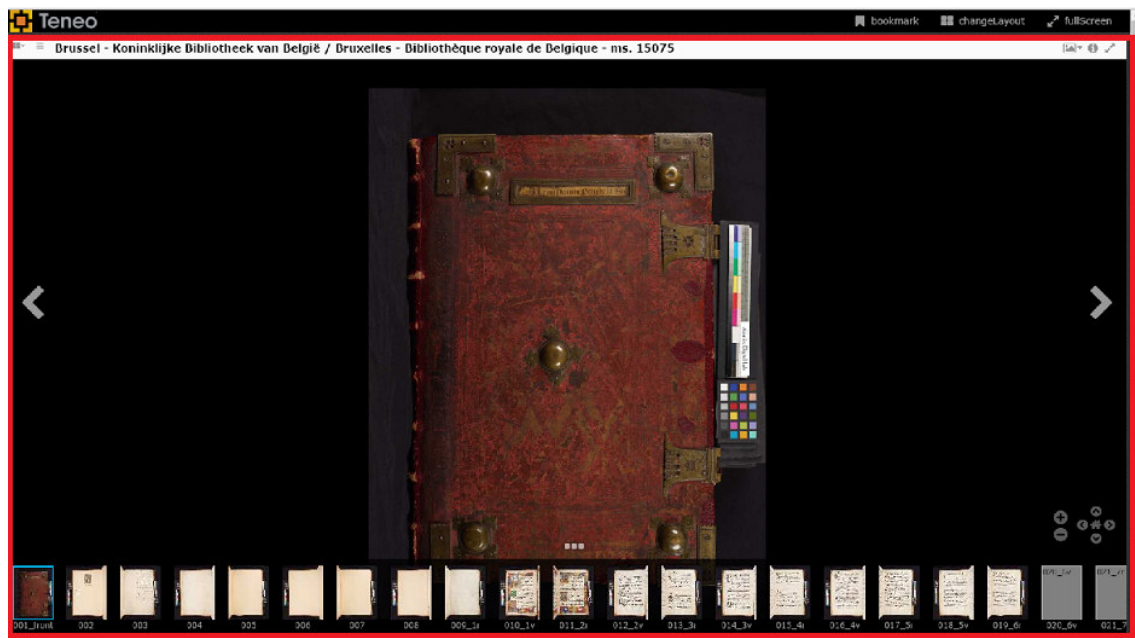
At the right, you will find the following three buttons: bookmark, changeLayout and fullScreen. More information about these buttons is included below.

Workspace

The workspace in Mirador consists of a window for displaying the image (viewport) and a white toolbar. At the left on the toolbar, you will find two buttons: changeLayout and table of contents. At the right, there are three buttons: viewType, information and full screen. More information about these buttons is included below.
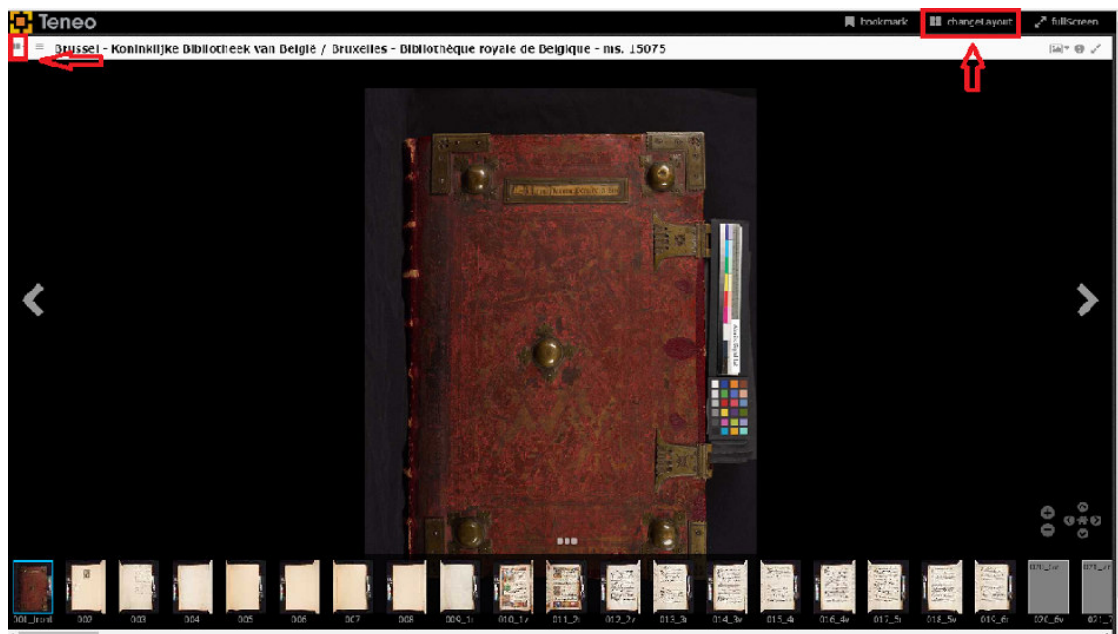
By default, Mirador is configured to open with a single window. However, it is possible to add additional windows to compare different images side-by-side (see 2. Changing the lay-out of your workspace). All the same zoom, pan, annotion, metadata and navigation controls are available in each window. You can use CTRL-F to search for a word in the workspace. Be aware that it will not search in the manuscript because the pages are images and these are unsearchable.
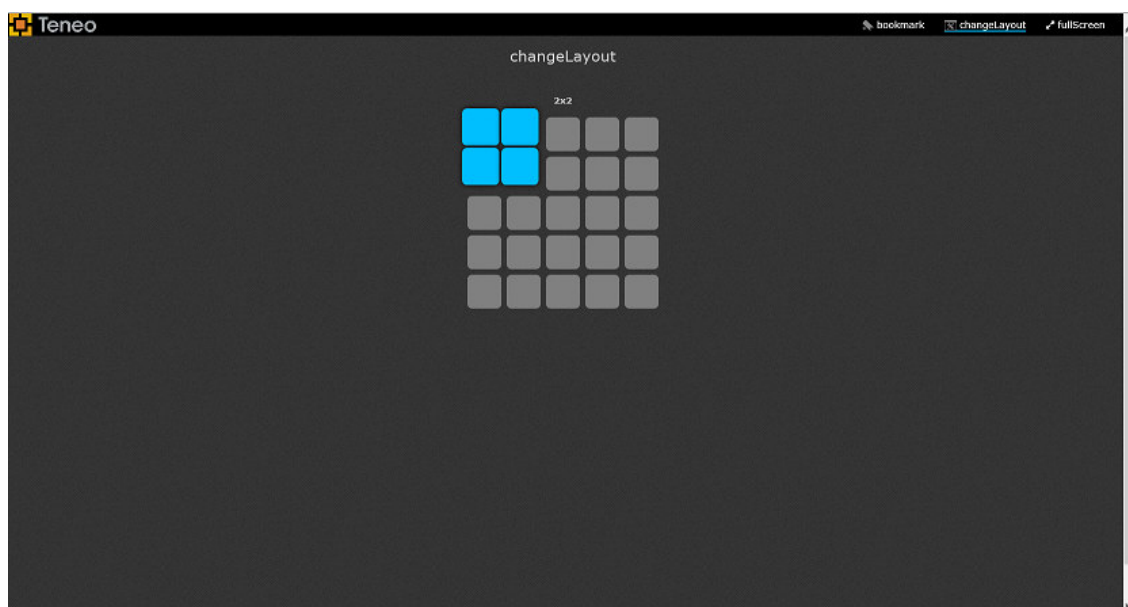

2 Changing the lay-out of your workspace
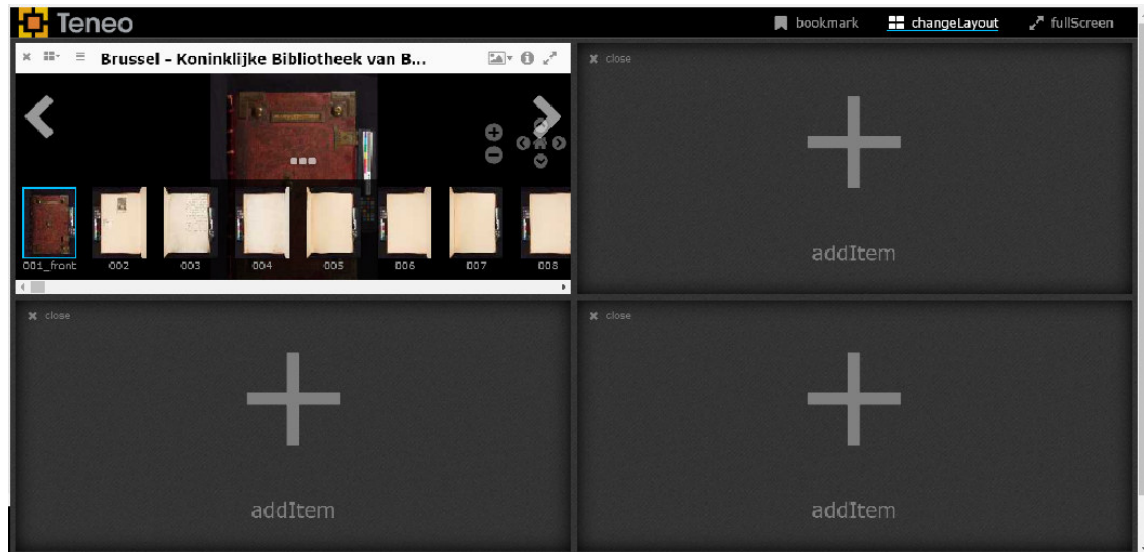
Adding windows or slots

Mirador allows you to compare multiple images in the same workspace by adding new windows or slots. There are two ways to add the slots and thus to change the lay-out of your workspace.

![changeLayout] First, by clicking the button 'changeLayout' on the right of the black toolbar. In the pop-up window you can select with the mouse any number of windows you want. The number of windows that you selected, are highlighted in blue and the number of windows are mentioned above the grid.
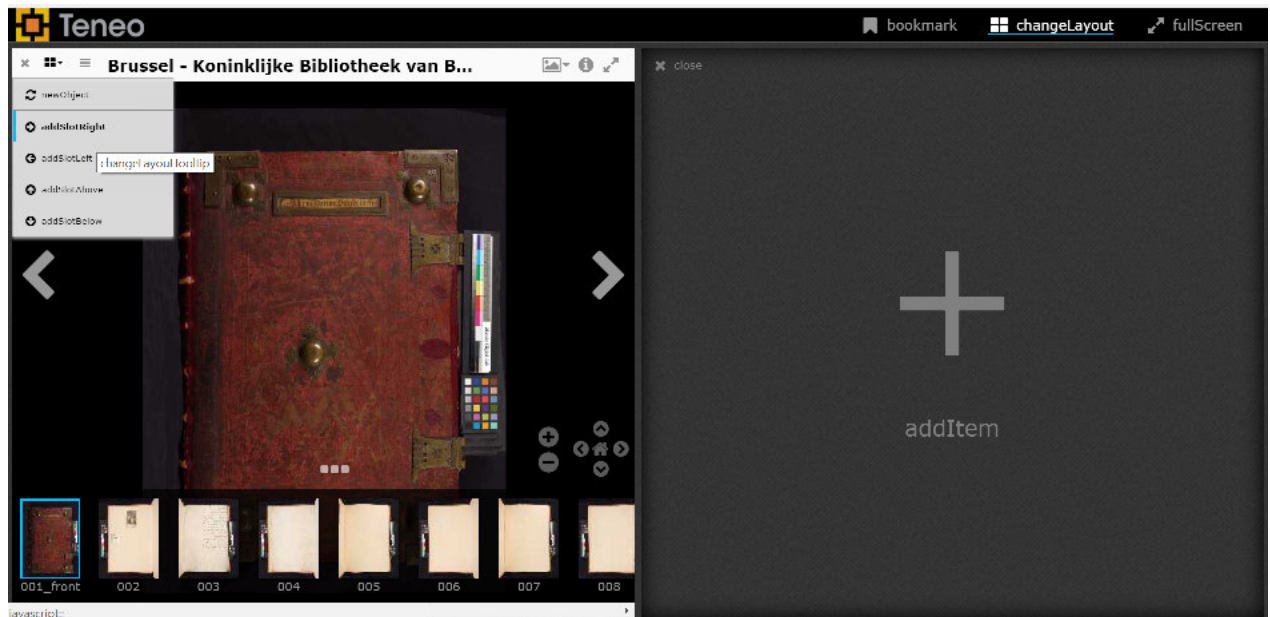

When you click, the workspace is adapted. This is the quickest way to arrange a complex workspace for comparing images.

The second way, is by clicking this icon. When you click on the arrow a drop-down list appears.

You can select a new object, but you can also easily change your workspace by adding slots to the right, left, above and below. The additional slots are always added to the selected slot.
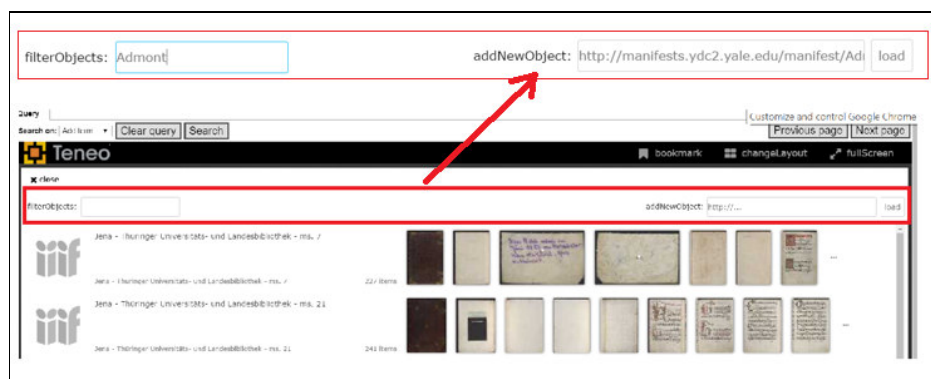
Adding a new item

You can add a new item with the addition sign in the empty workspace or you can change your object by clicking the previous icon and select 'new object'.

Next there will open a window with a list of collections and available items. The result limit is set to 10 records per page. You can use the buttons 'previous page' and 'next page' to scroll between the pages.

You can filter the objects in the list and when you know the URL van any IIIF-manifest, you can add it to your collection. When you click the information icon in your workspace, you will get the manifest URL of your object.

You can also narrow down the search results by using queries. Click on the arrow and choose in the drop-down list one of the search terms: PID and title.
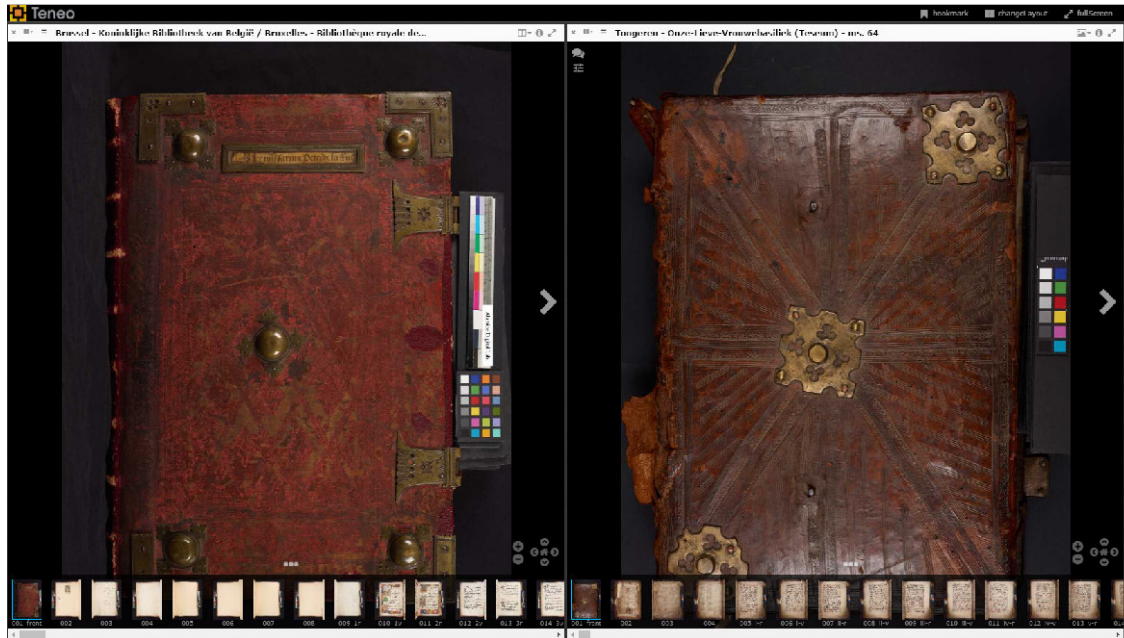
Add term... ▼
Add term...
PID
title

A brief explanation of the search terms:

PID (or IE)	a coherent set of content that is reasonably described as a unit, for example, a particular book, map, photograph, or database
Title	a name given to the resource, by which it is formally known

When you click on one of the terms, that term will appear in the search box of the query.

Query   IE.internalIdentifier.internalIdentifierType.PID=

Search on: Add term... ▼   Clear query   Search

After the search string you can enter your search term. Finally, click on search and the results will appear below.

Query   IE.internalIdentifier.internalIdentifierType.PID=IE7887696

Search on: Add term... ▼   Clear query   Search   Previous page   Next page

Teneo   bookmark   changeLayout   fullScreen

✕ close

filterObjects: addNewObject: http://...   load

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de Belgique - ms. 15075

Brussel - Koninklijke Bibliotheek van België / Bruxelles - Bibliothèque royale de Belgique - ms. ...
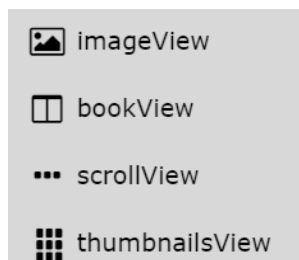
When you select an item, it will open in your new window and this allows you to compare different manuscripts. In each window you will find the same zoom, pan, annotation and navigation controls.

For closing a window you can close it by clicking the small 'X' at the left corner.

3 Viewing types

When you click this icon in the white toolbar you can choose four different viewing types in a drop-down list. The image of the icon changes depending on the viewing type you selected.
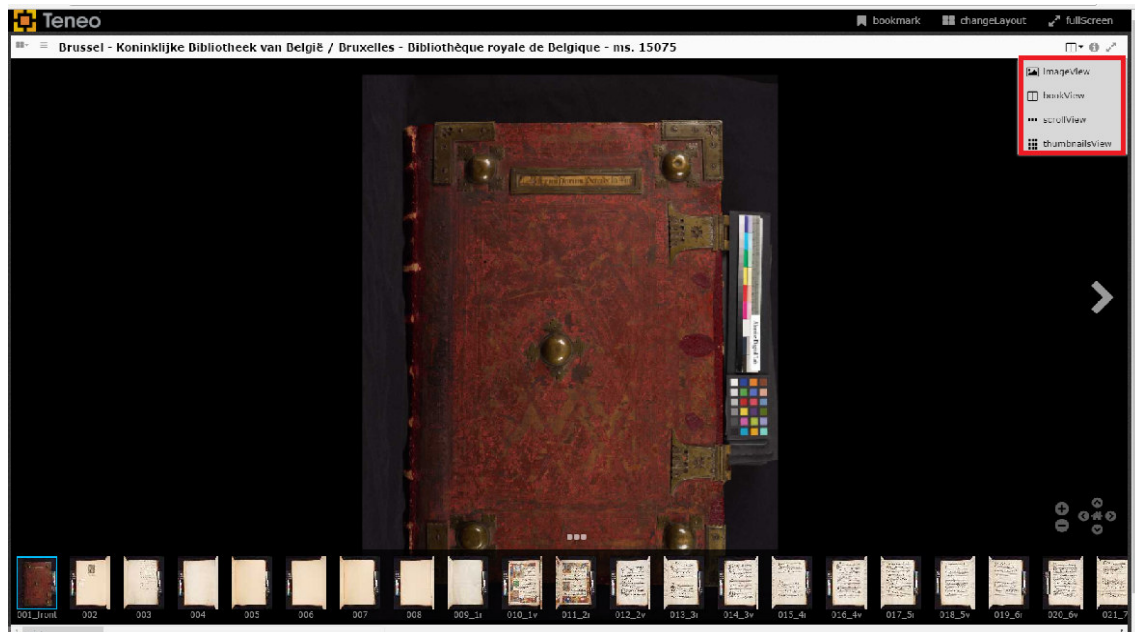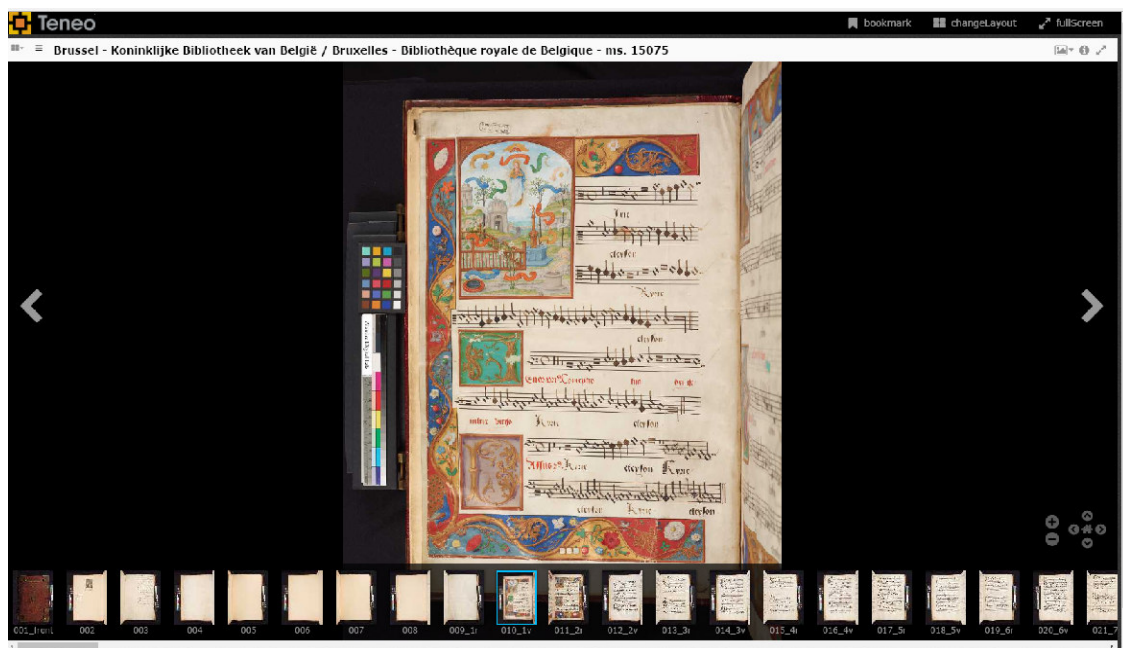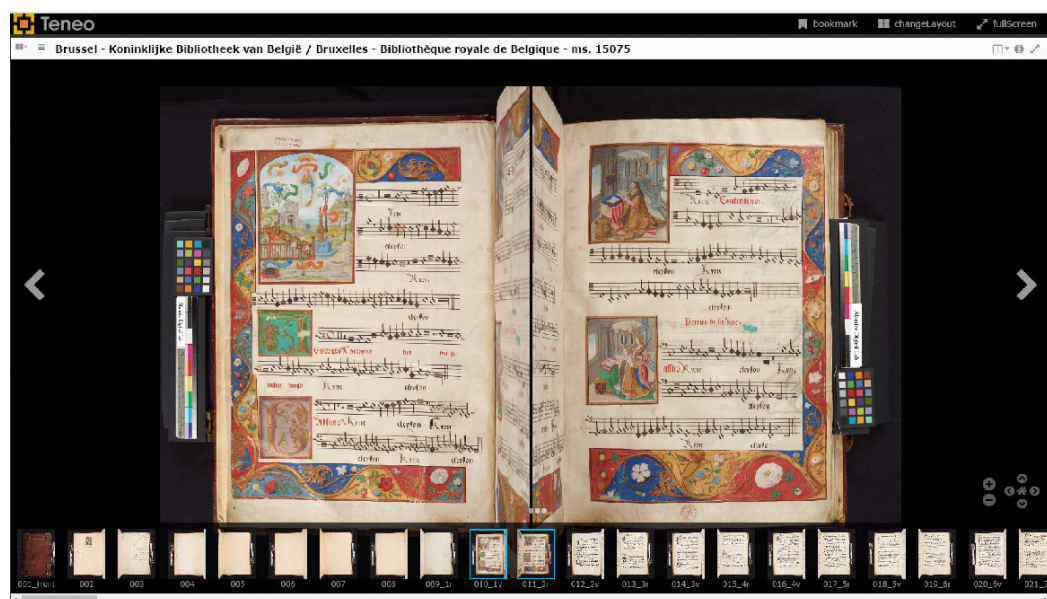
Image view

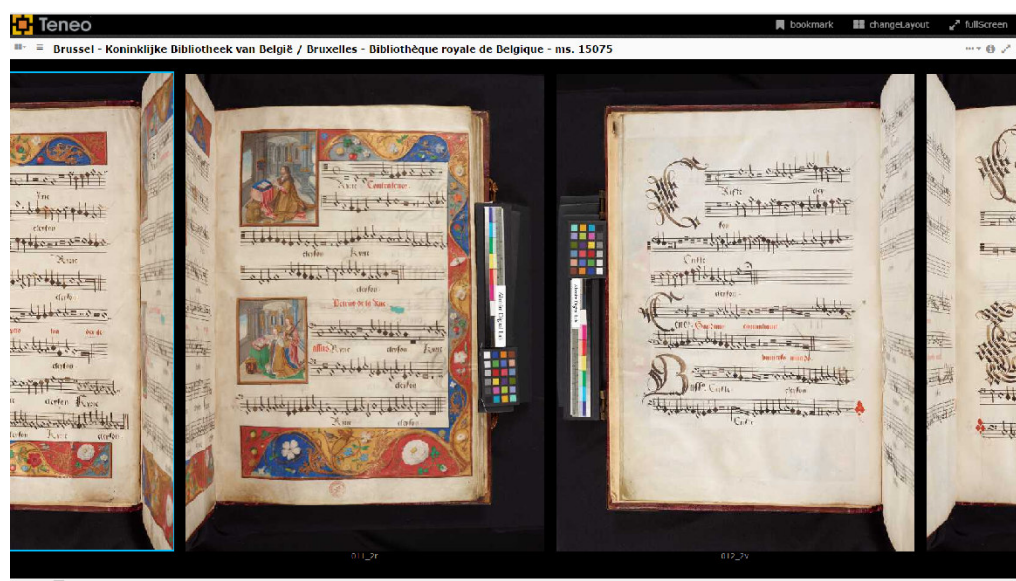This viewing type is the default view. It displays one single image.

Book view

It arranges the pages in a 2-page spread to approximate better the physical experience of the book. You can also zoom and pan both pages simultaneously. If you select another page, it stays in that view.
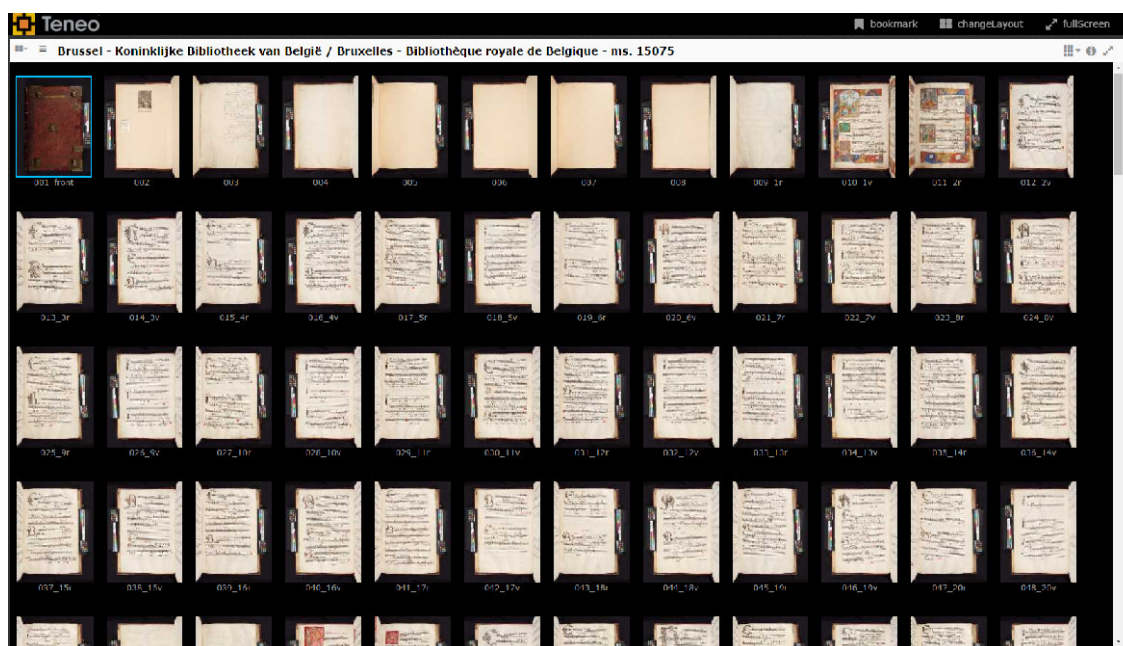

Scroll view

In this view you will see a continuous horizontal scroll of all images in an object. Clicking an image in scroll view will take you to single-image view.
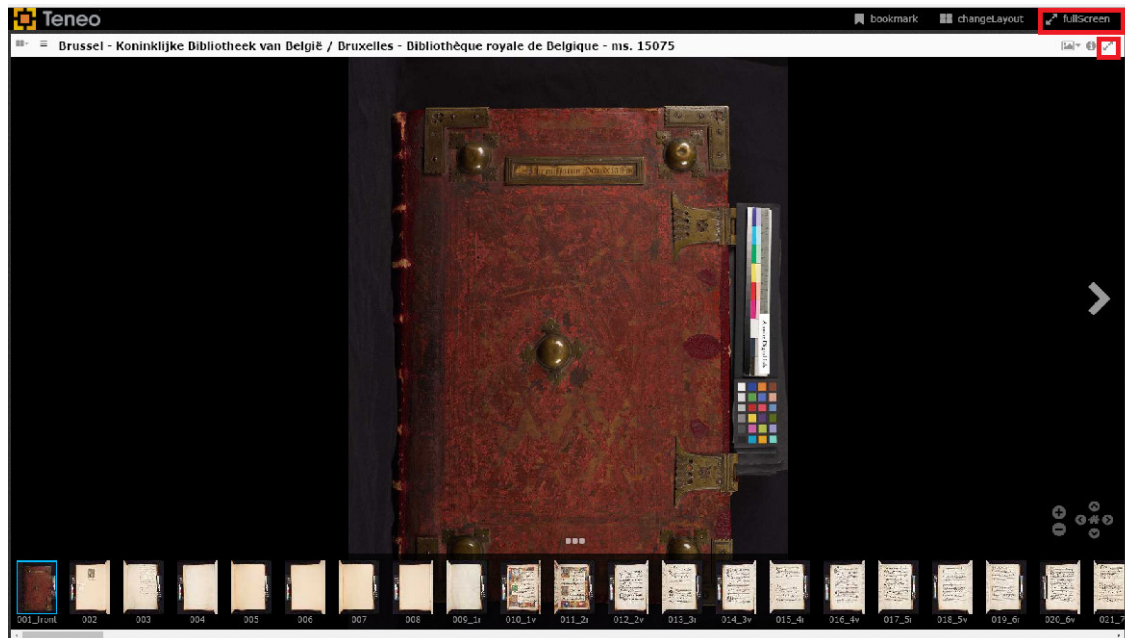
Thumbnails view

With this view there will appear a grid view of thumbnails for all images in an object. Clicking an image in this view, will take you to the single-image view. The images in this view are not zoomable.

Full screen

To switch to full screen, click the full screen icon in the top right corner of the black toolbar. To exit out of full screen, press Esc on your keyboard. With the key F11 on your keyboard you can also switch between normal mode and full screen mode.

Every window of your workspace comes also with an icon for full screen. Click the icon to go in full screen mode and to leave the mode. In a complex workspace with different windows, you can switch easily to one window with this mode.
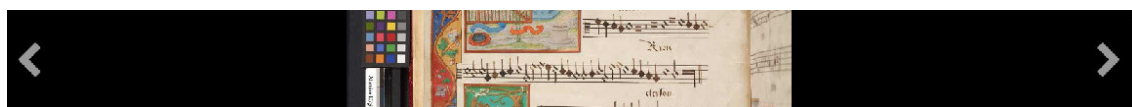
4 Methods of navigating

There are different ways to scroll through an object and to find more easily the pages you are looking for in a large collection.
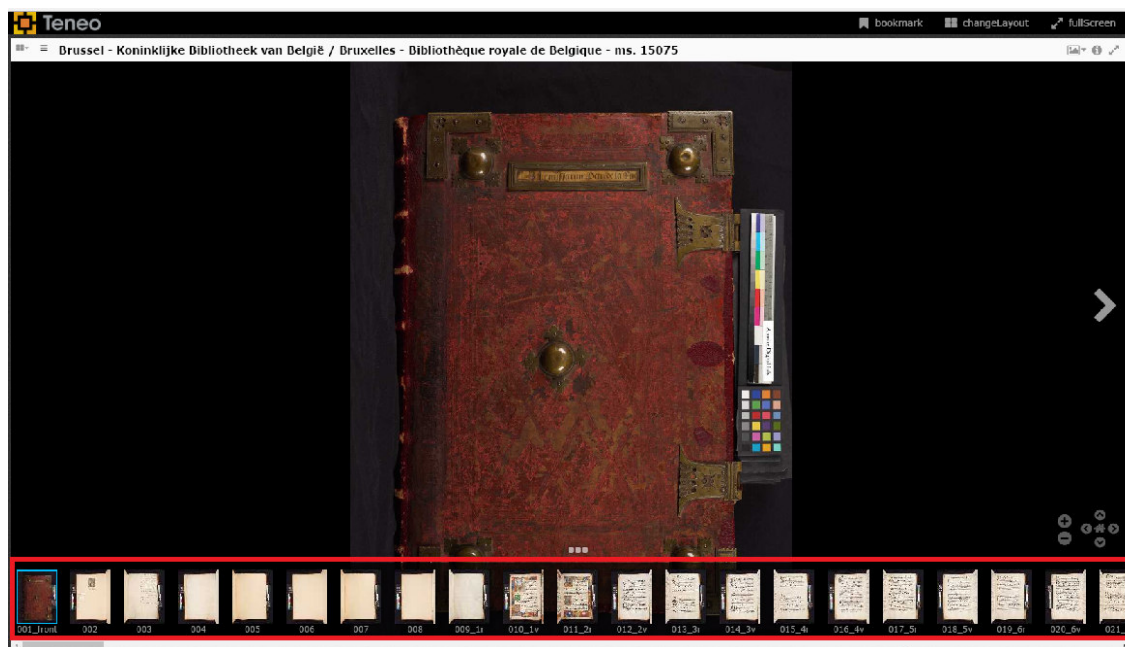
Controls

On the left and the right are arrow buttons to navigate to the next and previous page of a multi-image object. The thumbnail strip below the image and the table of contents at the left will be synchronised.

Thumbnail strip

There is a horizontal thumbnail filmstrip below the image (in image view or book view) that offers an easy way of navigating through the object. The current image in the viewport is highlighted in blue. Clicking an image in the filmstrip will take you to that image or pair of images in the main viewport. The table of contents will also be synchronized. Under the thumbnails you will find labels.

In the center above the scrollable list is a toggle to hide and show the thumbnail strip. That way you can see more of the image in the viewport.
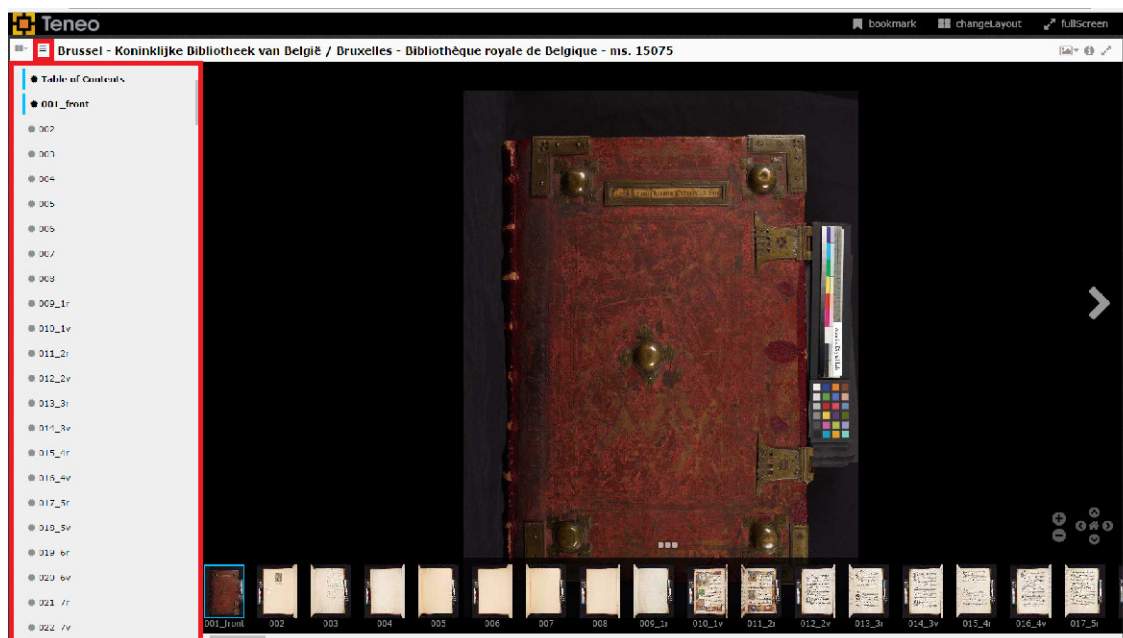

Horizontal scroll view

 When you click this icon and select 'horizontal scroll view' you can quickly scroll through the pages of your object (see 3. Viewing types). This view type does not display zoomable images. Under the images you can see the labels.

Table of contents

Clicking this icon on the left of the white toolbar , will open a side panel with the table of contents. This is just another way to navigate very quickly through the multi-image. The selected item in the table of contents is in bold and has a blue mark. When you select a new item of the table of contents, the image and the thumbnail strip are synchronized.

5 Panning and zooming

Each window in Mirador consists of a main viewport with controls for panning and zooming at the right. The controls are very straightforward.

Panning

There are different ways to move the image. First by clicking and holding the left mouse button and drag the image over the viewport. When you release the mouse button, the image stays where you left it.
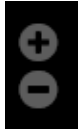

Secondly by using the pan arrows, you can move the object up, down, left and right. These arrows can be found in each window at the bottom right corner.

To reset or recenter the image you can use the central pan button, the home button.

Zooming in and out

In the same right corner as the panning controls you will find the options for zooming in and out. Click the +-button to zoom in on the image. You can also zoom in by single-clicking on the image. The image will enlarge and you will get a lot of details. To see the image with less detail you need to zoom out with the −-button. The image will decrease in size.
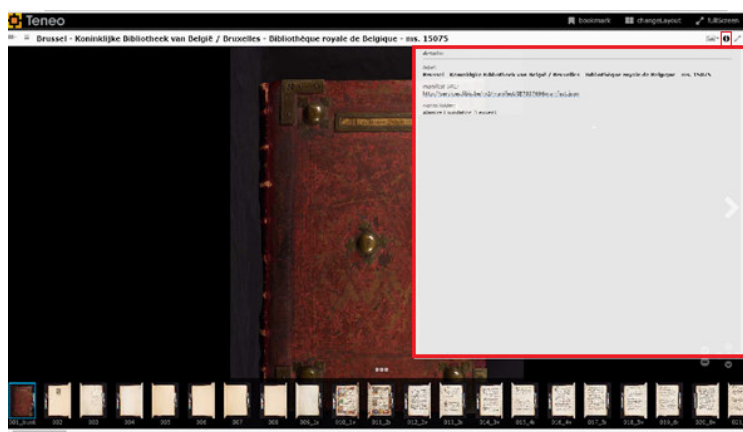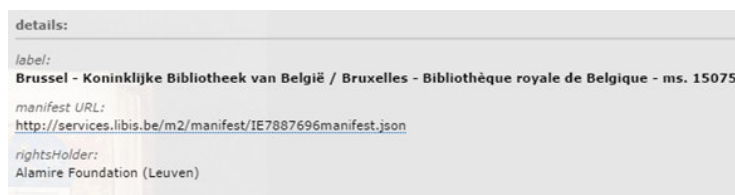
You can also turn the mouse wheel for zooming in or out. Each click, up or down, increases or decreases the zoom factor.

With the home button you return the image to the initial view.

6 Viewing the object metadata

When you click the information icon you get some information about the object e.g. like the title, the manifest URL and the rights holder. The information comes from the metadata supplied from the repository. For closing the window, you need to click the icon again.
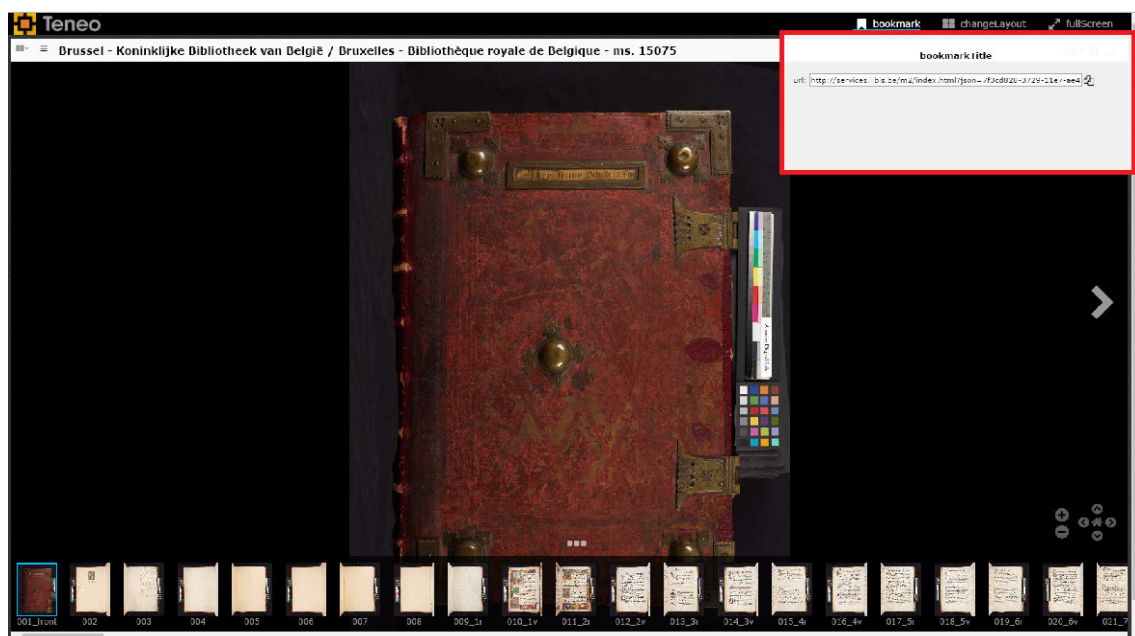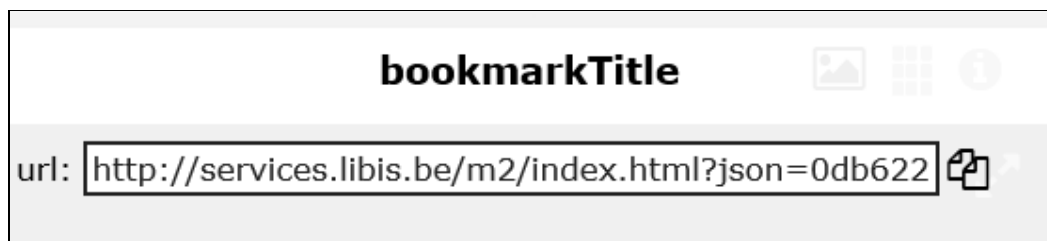
7 Persistent bookmarking

bookmark Once you arranged a complex workspace with different objects at different zoom levels, specific page numbers …, you can share it with others by clicking the bookmark button. You select the bookmark link and copy it to the clipboard. You can use the following control key combinations:

- Ctrl+A: Select All
- Ctrl+C: Copy
- Ctrl+V: Paste

This bookmark version will load the exact instance (zoom level …) of your workspace. You can share it with someone or add to your website or blog.

8 Image manipulation

⊞ In the upper left is a toggle for image and color manipulation. When you click it, there are different possibilities:

- a button for rotating the image by 90 degrees to the right or left;
- a slider control for brightness;
- a slider control for contrast;
- a slider control for saturation;
- a button for greyscale and color inversion;
- a button to reset the image.