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Thank you for choosing **Effigos 3D Explorer.**Before you familiarize yourself with its operation, please note the following information.

## Requirements:

- For the interactive use of the 3D models a current web browser is needed, preferably Mozilla Firefox and Google Chrome. For iPads, iPadOS version 13.2 or higher is required.
- The software is optimized for larger screens. The screen should be at least 10 inches.
- To be able to use all functions easily, we recommend the use of mouse and keyboard.
  The notes in the help refer to these input devices. Nevertheless, most of the functions are also compatible with touch gestures.
- A powerful graphics card is a prerequisite for a high-quality display. Modern computers and tablets already fulfill this criterion in most cases. Whether your device meets the technical requirements can be checked at any time free of charge at anatomy.effigos.com.



Attention: When you open a module for the first time

models and textures are loaded into your browser's

this may take some time. The next time you open a

data and start immediately the initialization.

module in the same browser, the app can access the

memory. Depending on the complexity of the anatomy,

## Conventions:

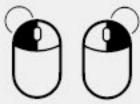
The following mouse symbols are used in the instruction manual:



Hold down left/right mouse button and move mouse



Rotate mouse wheel



Press left/right mouse button once briefly



Douple click left mouse button



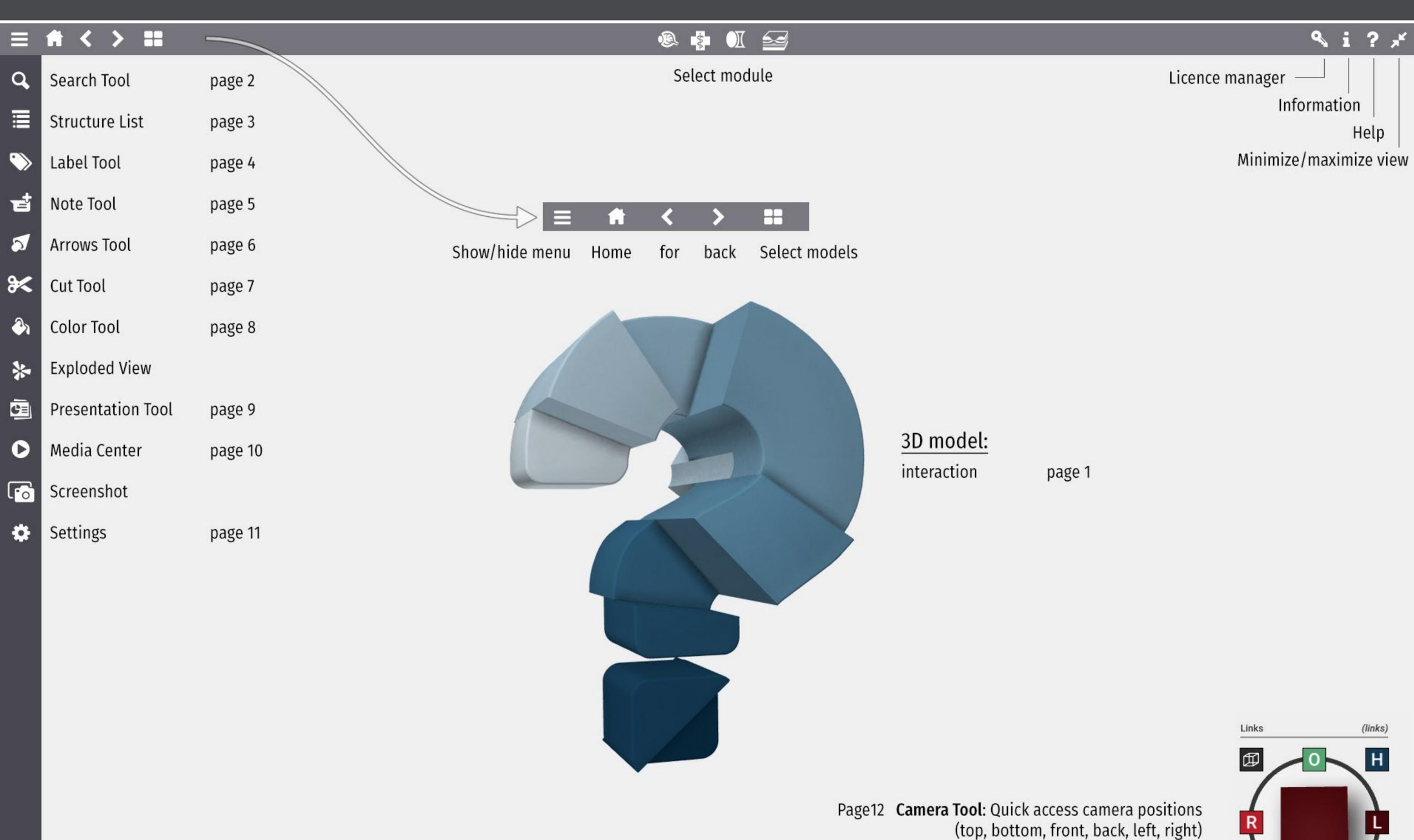
Press left mouse button longer than 3 sec.

Important notes are highlighted with yellow boxes.

For action instructions, the font is blue.



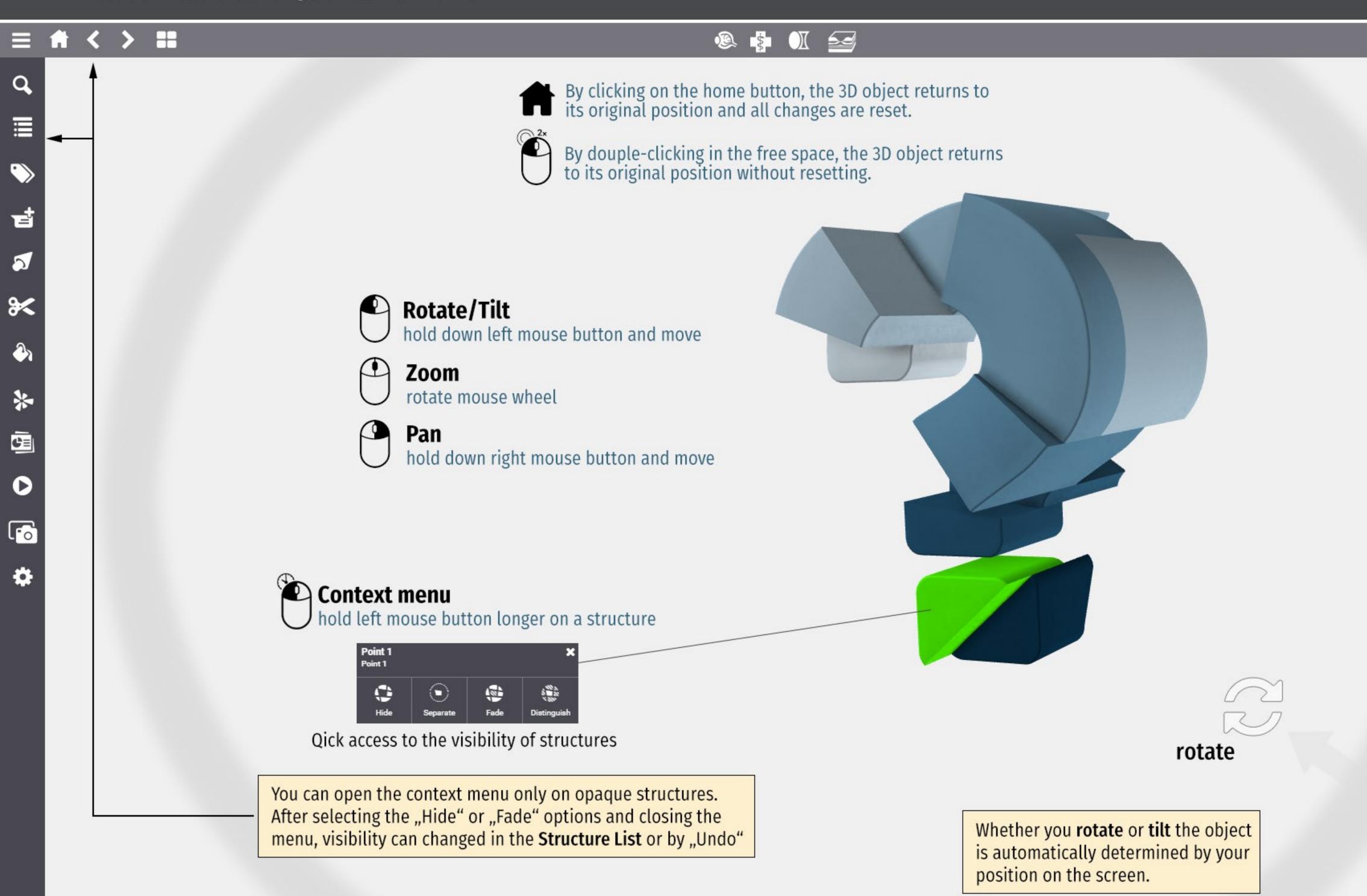
Touching structures or control elements with the mouse pointer is called a mouseover.



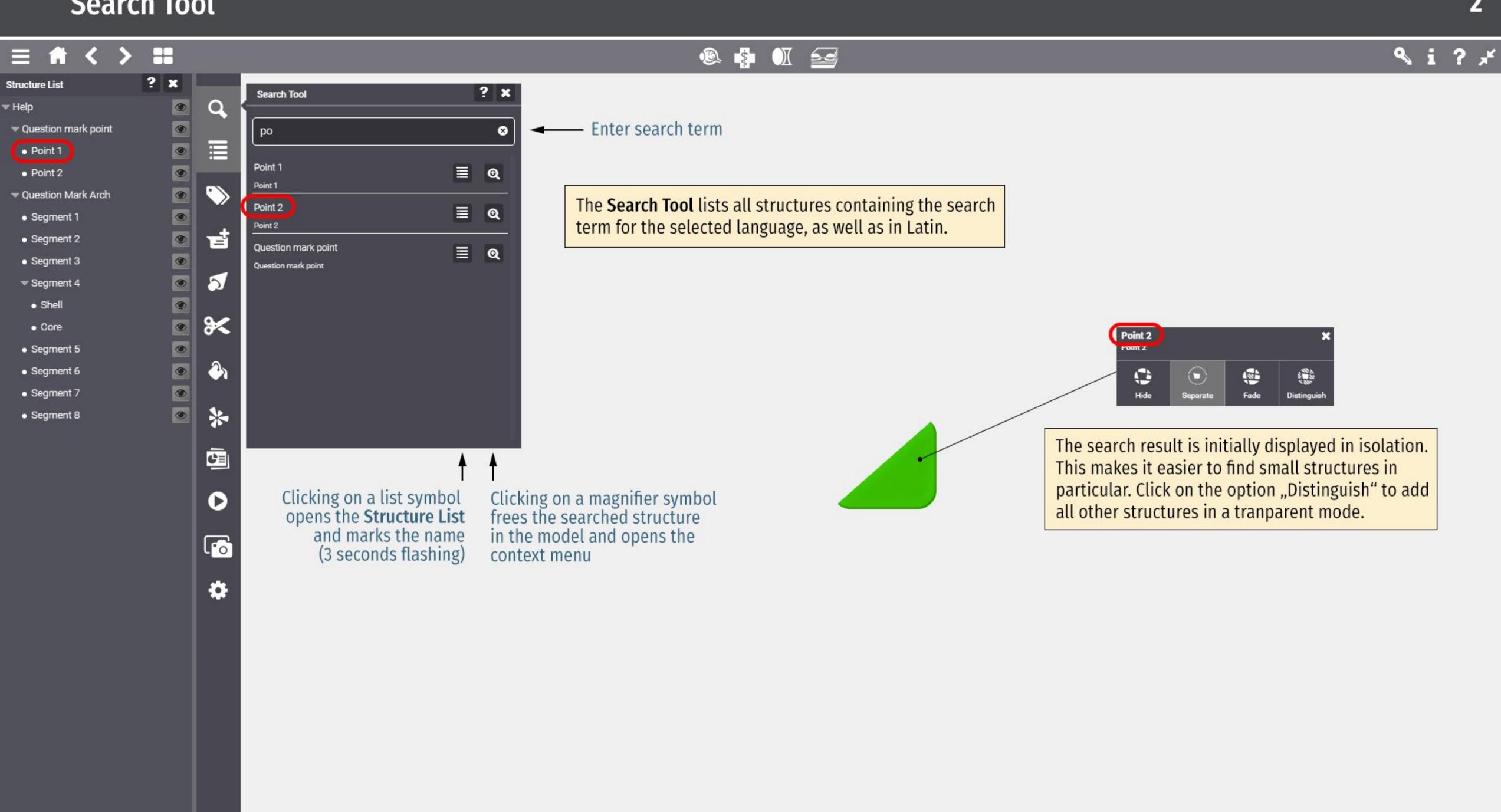
**©** 

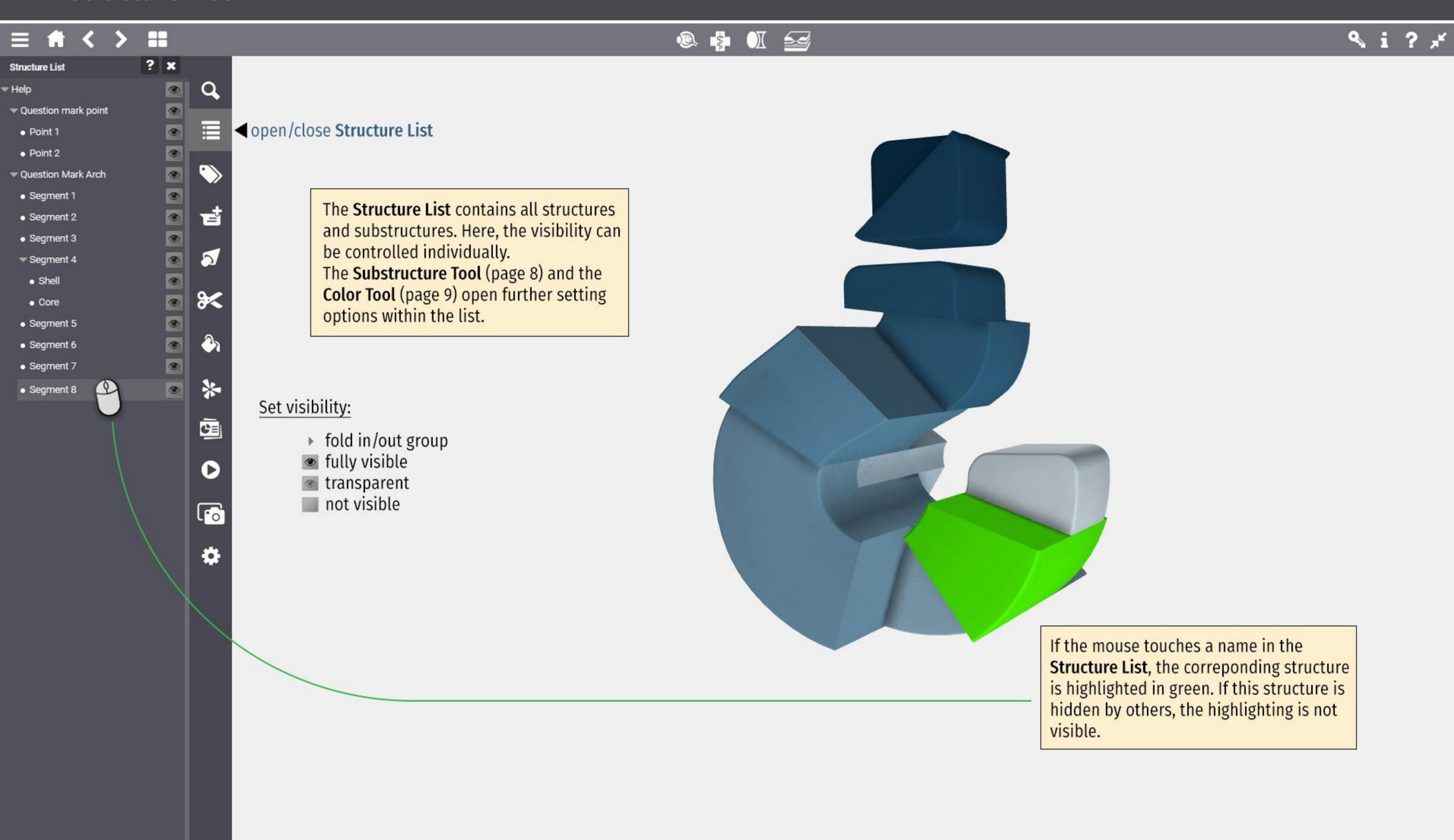
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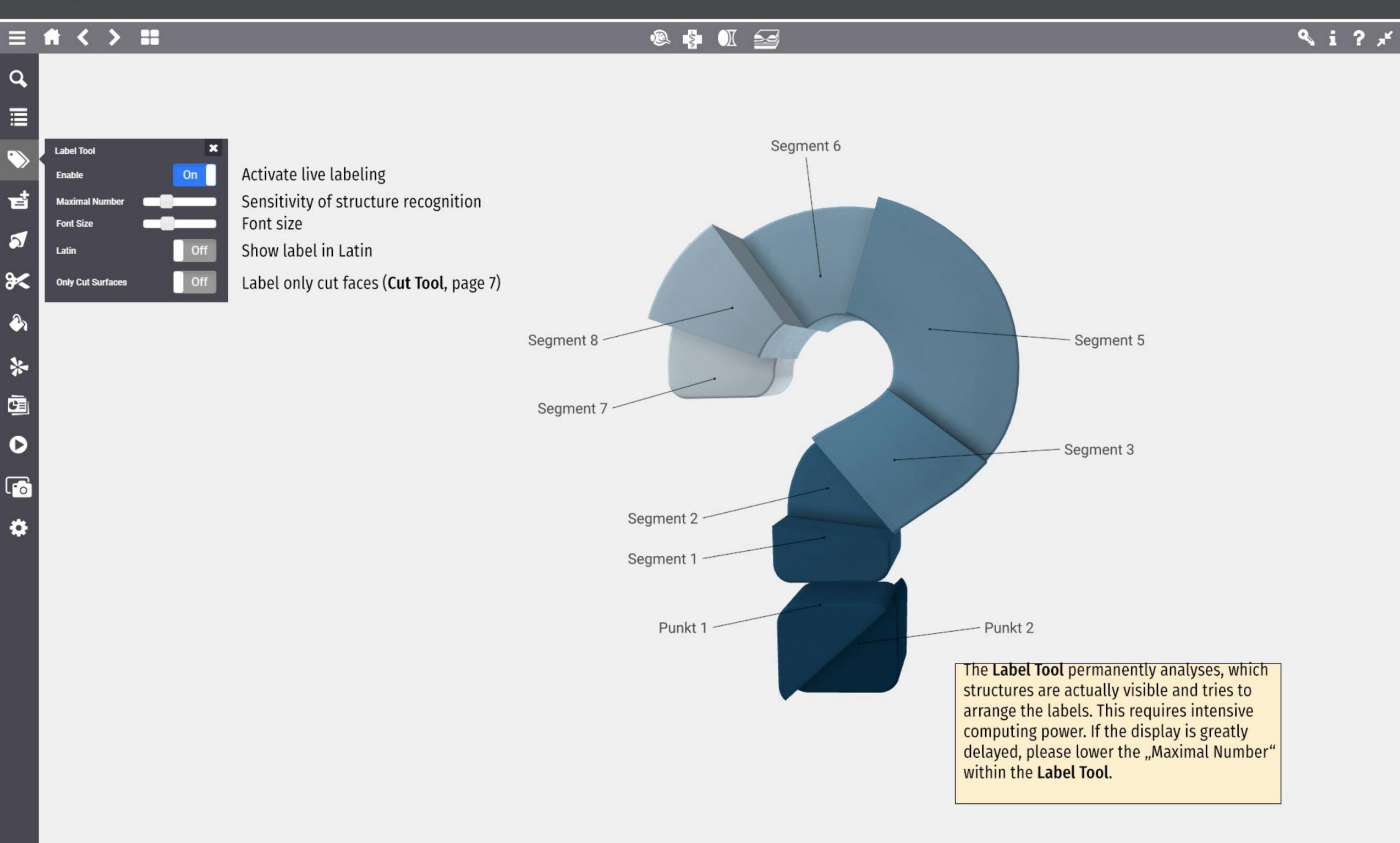
- Q Search Tool Finding structures in the model or in the structure list
- - Label Tool Structures currently visible to the viewer are named in real time
  - Note Tool Notes mark selected structures or function as free text blocks with numerous design options
  - Arrow Tool Arrows are added to the scene as real 3D objects and move with the model; properties and position are changeable
  - Cut Tool All structures can be cut at any point in any angle; the cutting plane can be moved at any time
  - Color Tool An individual color can be set for all structures; the rendering simulates an illustration style
- Exploded View Structures are automatically separated and rearranged
- Presentation Tool Save individual views of the model incl. notes, labeling, coloring, sections; save single or series of views as presentations
  - Media Center Playback of presentations and of classical media types (texts, images, films), as soon as available
    - Screenshot The current screen content (with/without elements of the software) is saved as a png file

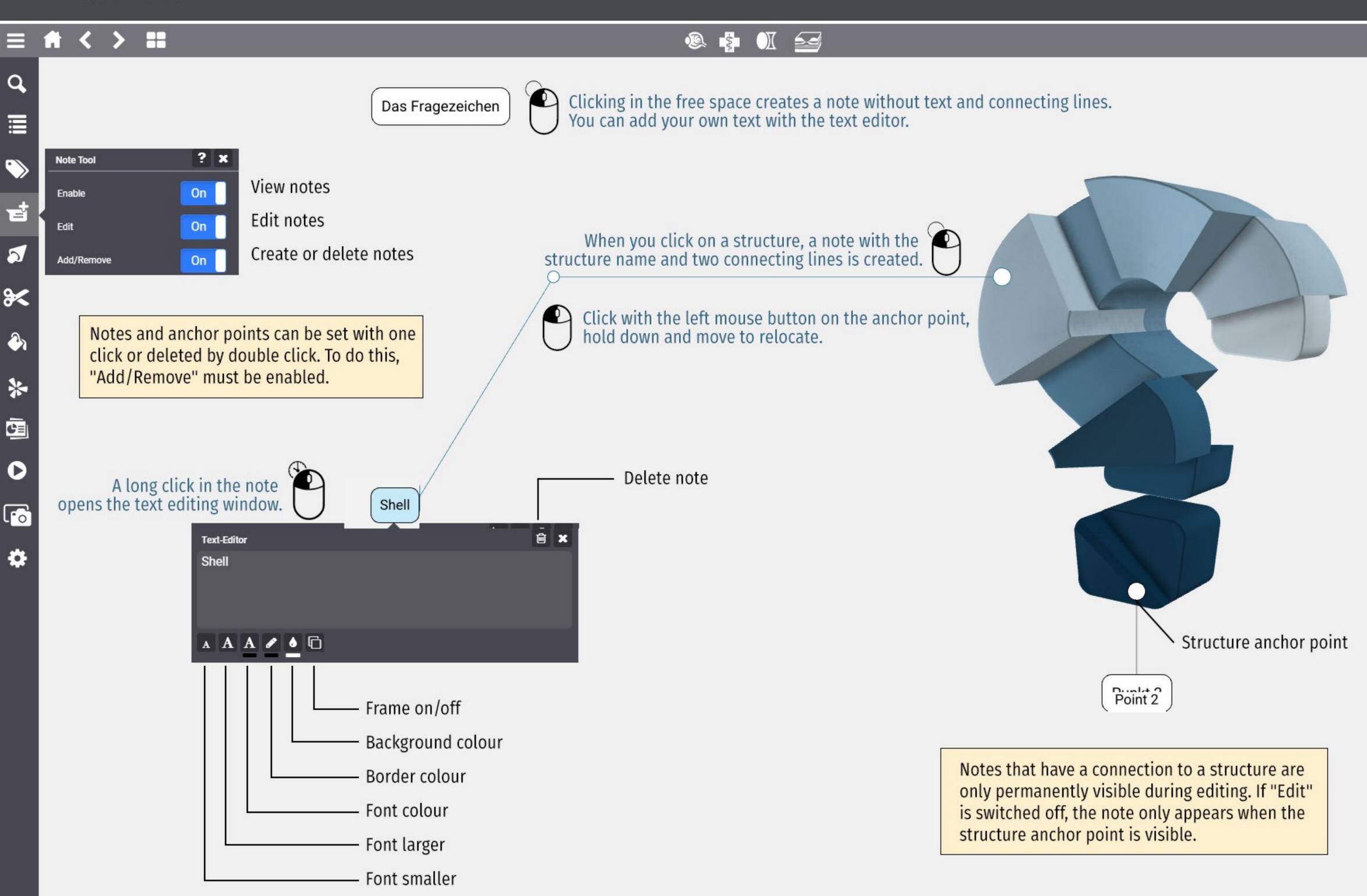


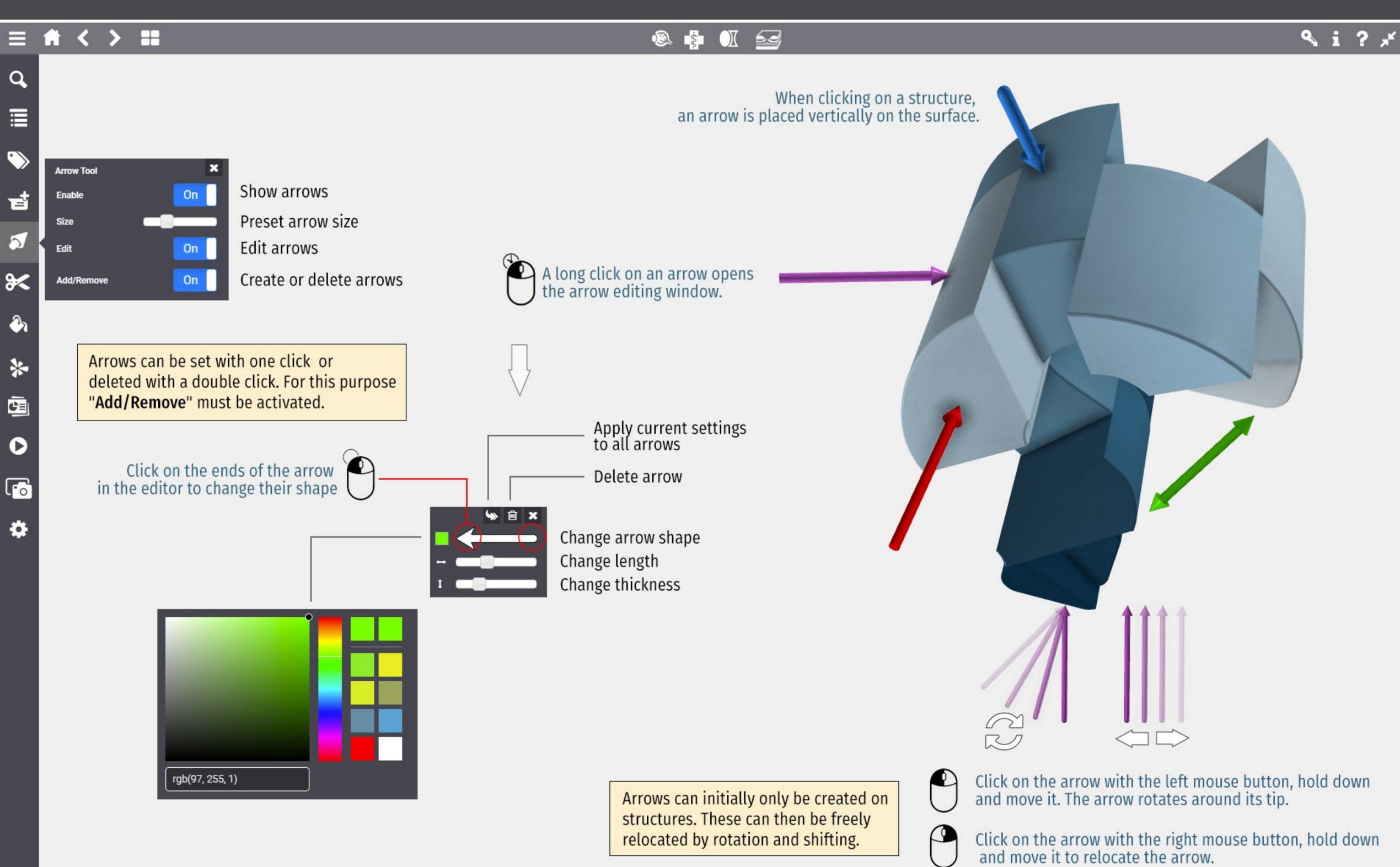
tilt

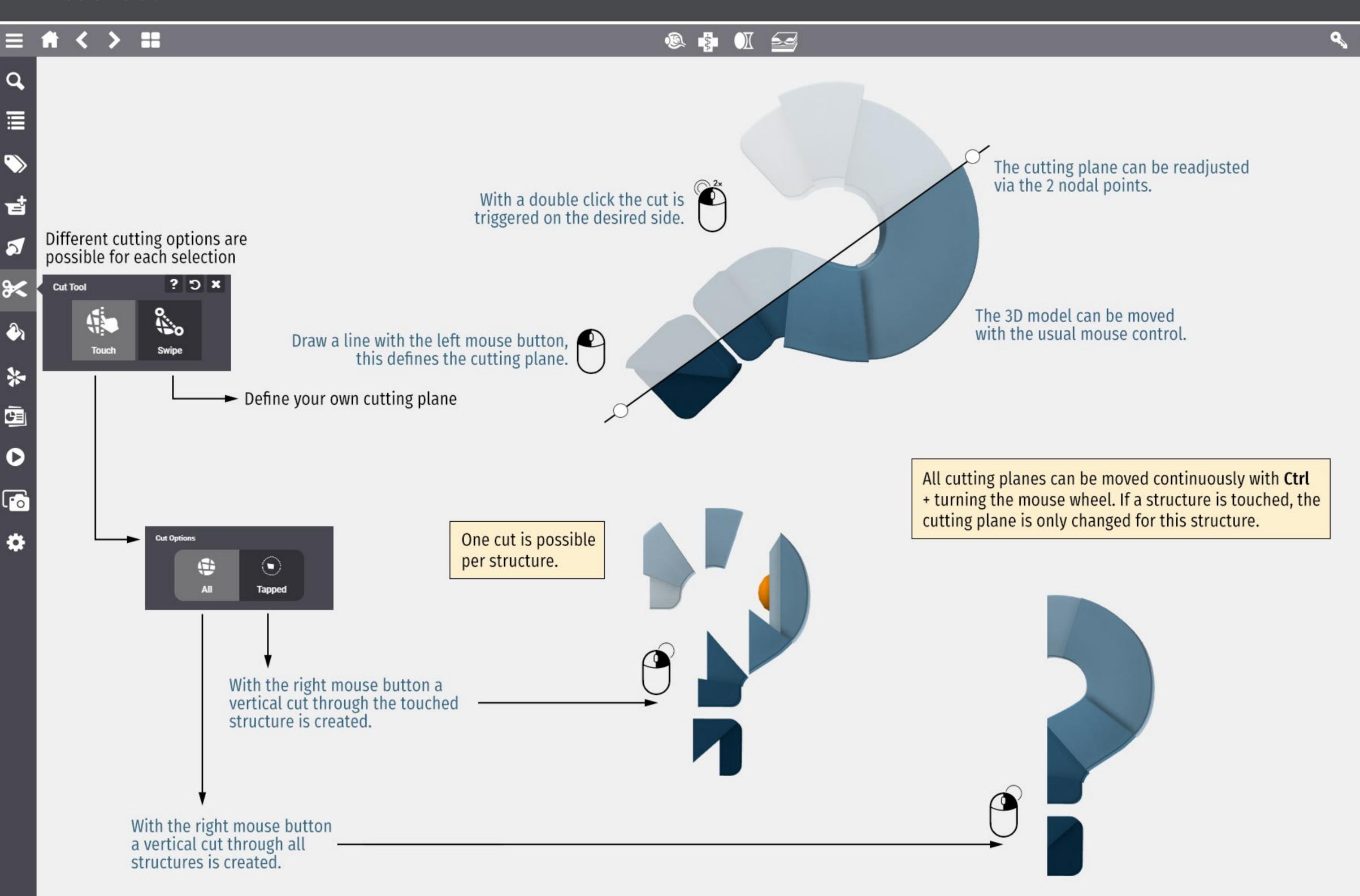




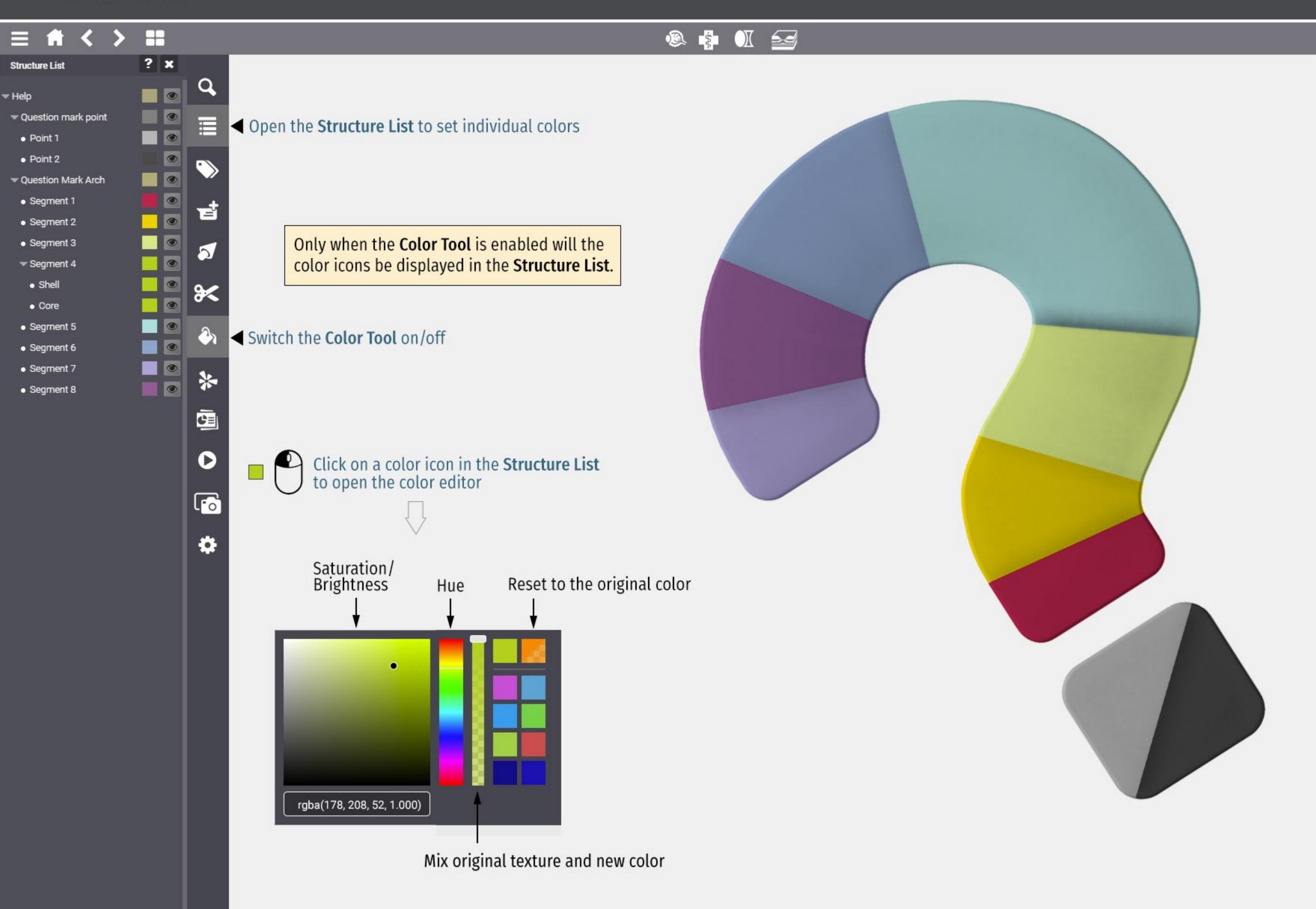








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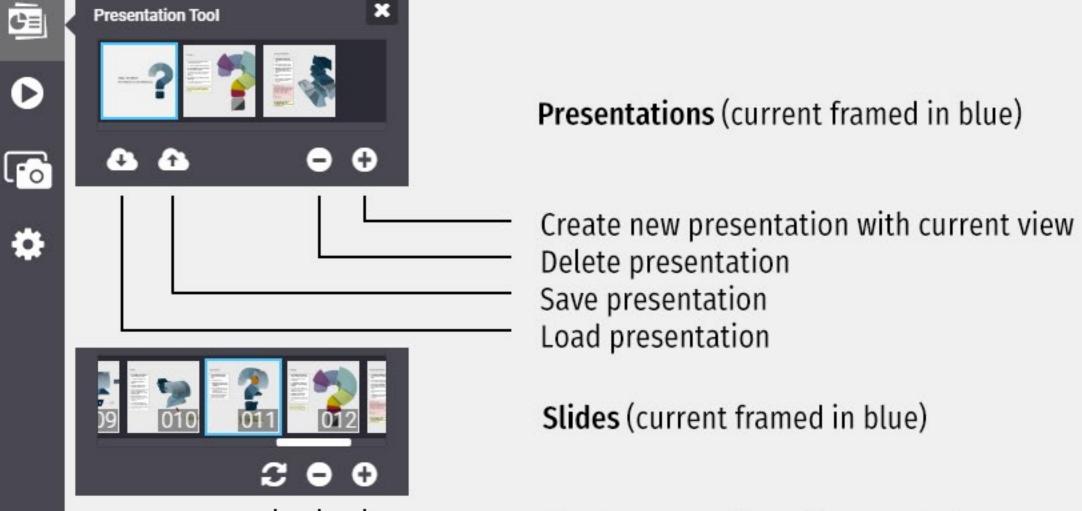
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From a browser application, data is often loaded into the download folder. Therefore, the presentations may also saved there (presentation\*\*.xbin). Later on, they can be renamed and moved to other folders. When a presentation is loaded, the system-specific file dialogue is used.

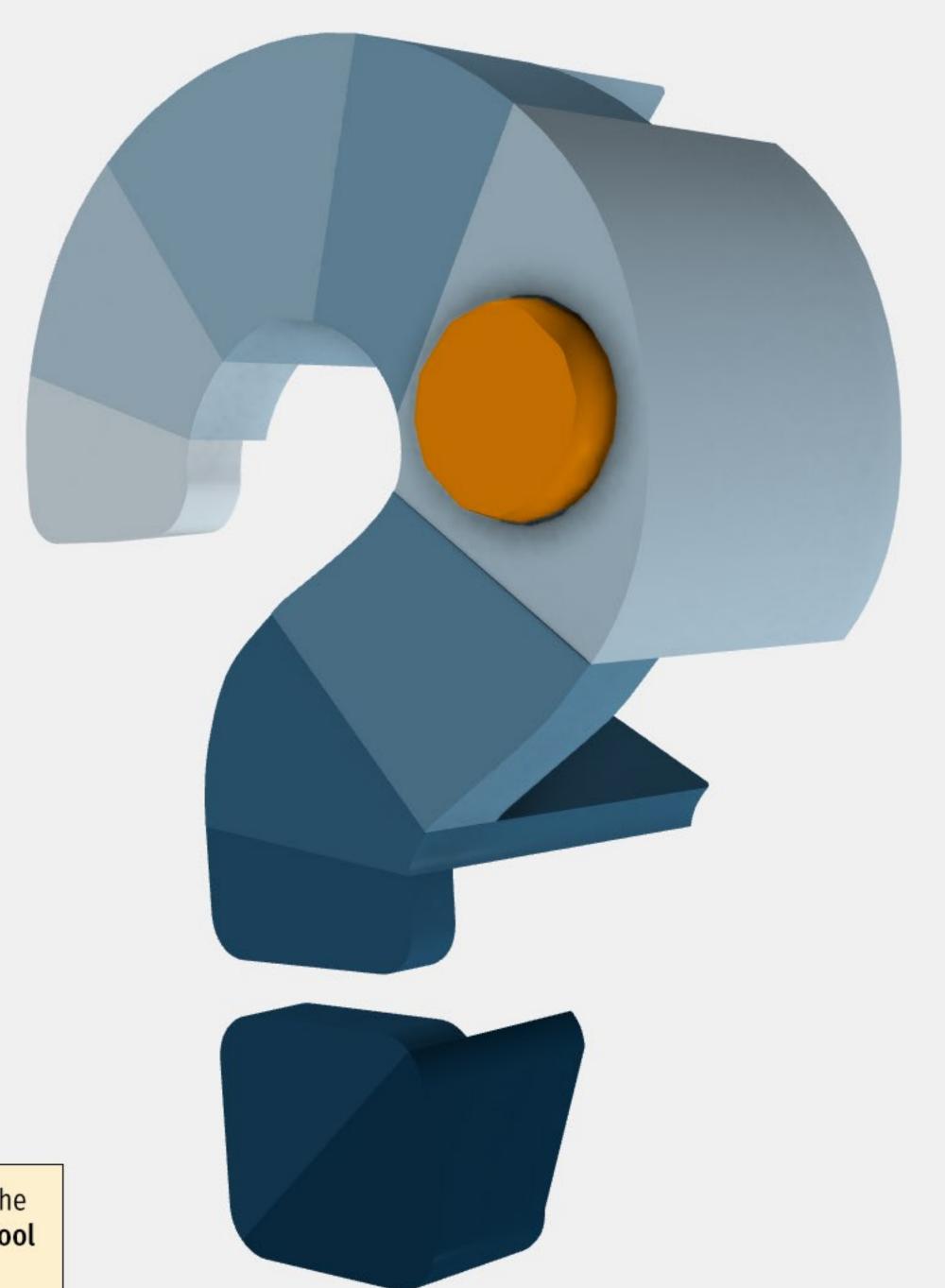


Create a new slide with current view Delete slide Overwrite selected slide with current view

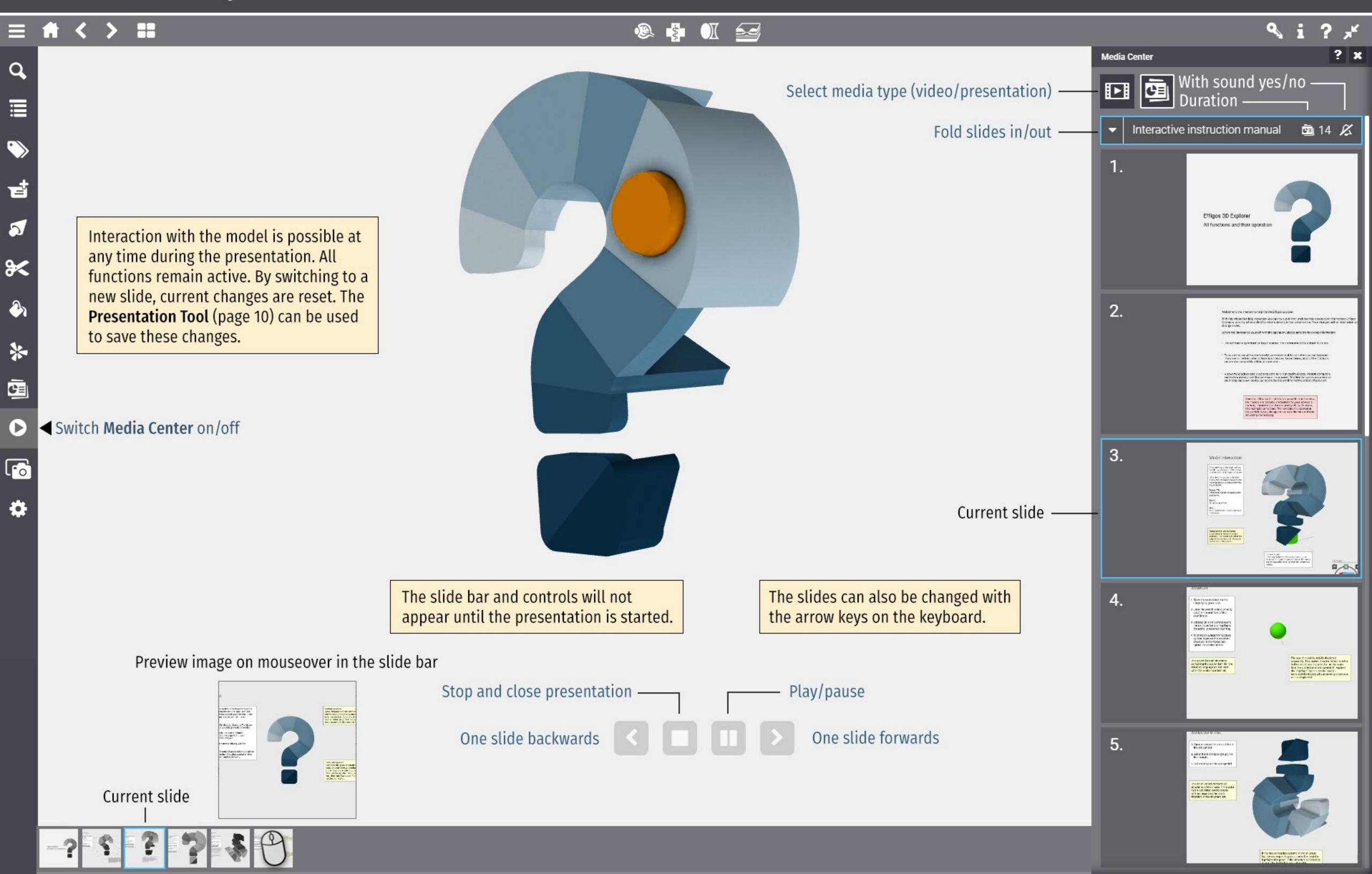
## Preview

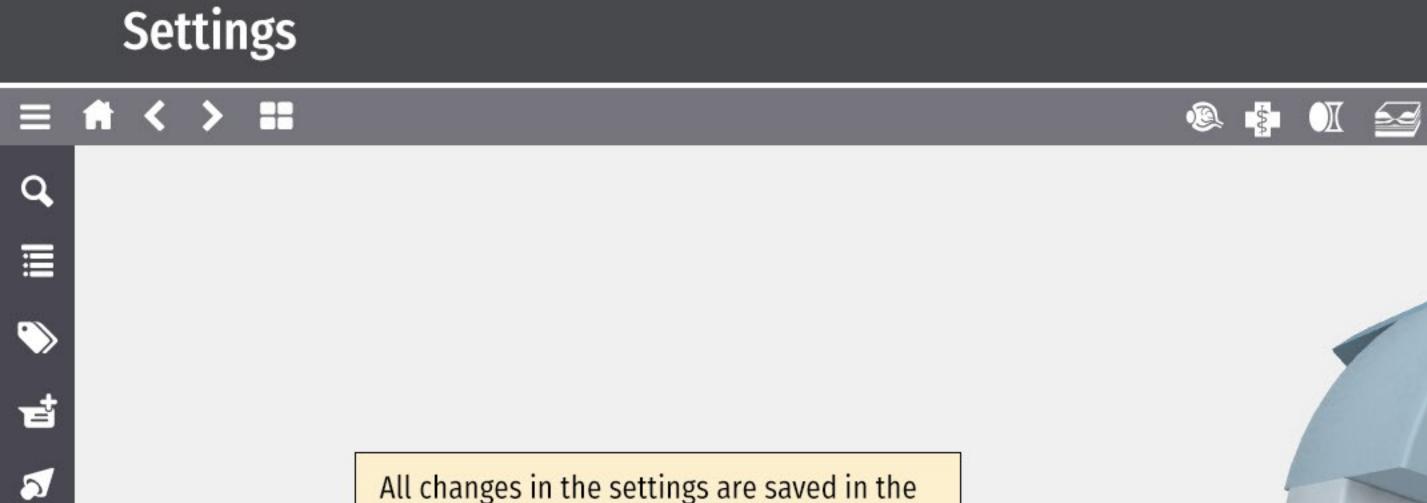
Fast forward Start preview Stop preview

For playback the presentation please use the Media Center (page 11). The Presentation Tool does not need to be open for this.

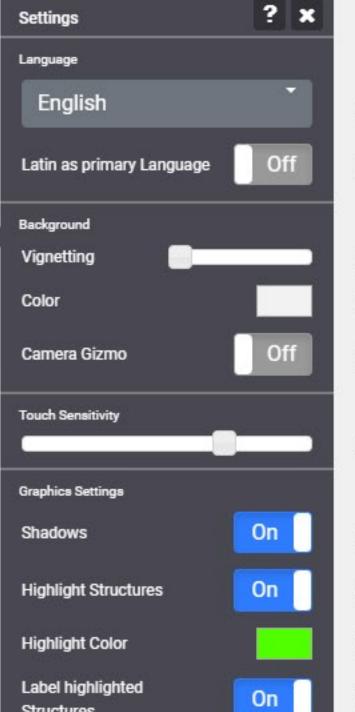


## **Media Center (presentation)**





All changes in the settings are saved in the browser (if allowed) and are automatically applied the next time you start the explorer.



Structures

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Setting the language (user interface and anatomical terms)

Force Latin for anatomical terms (except live labels)

Shade edges

Set background colour (for the operation of the color editor see page 8)

Show/hide quick access for the camera positions (page 13)

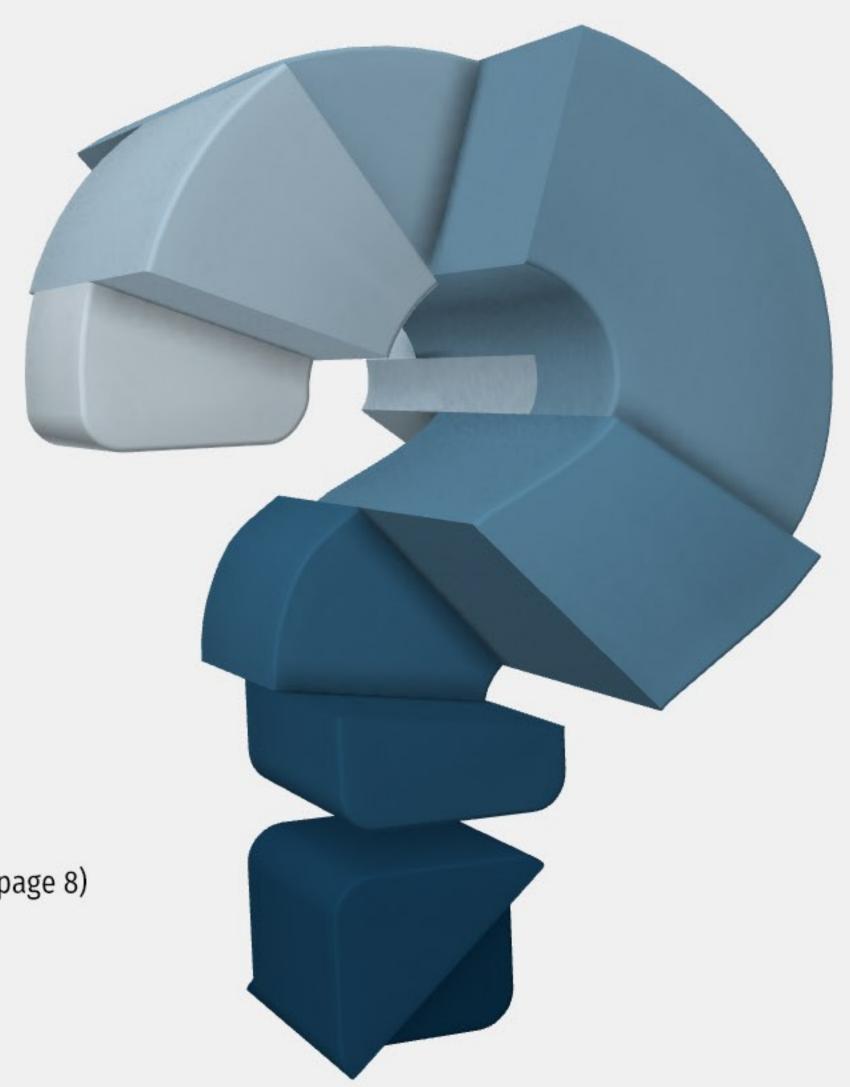
Adjust the sensitivity of the 3D model interaction

Shadows on/off

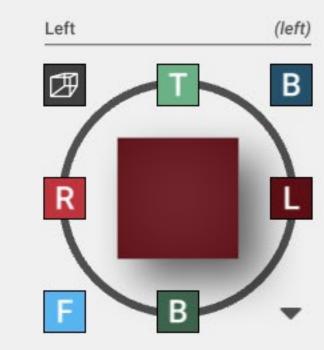
Highlighting and labelling of structures on mouseover on/off

Set the HighLight color here

Show the names of the touched structures



The display of shadows is recommended. If this causes the performance of the graphics card to drop (delayed reaction of the display), the shadow can be switched off again.



Camera Tool

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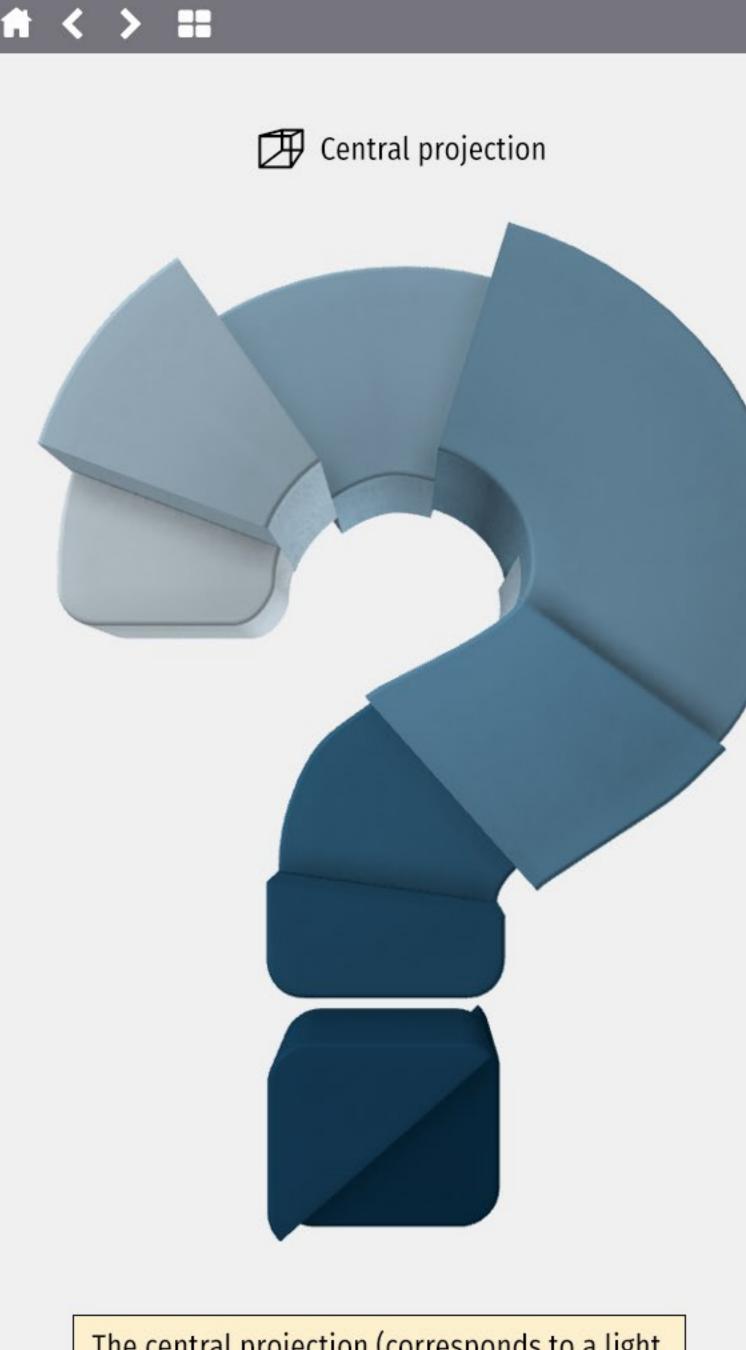
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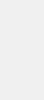
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Click on the button to change the projection

(left-rostral)

Standard position description Medical position description

Top Current projection B Back Right R Left Front Bottom

Front-Left

Click on the color area to quickly rotate the model in the desired direction

Click on the triangle, to expand or collapse the menu



Parallel projection



The central projection (corresponds to a light wide-angle lens with a focal length of 35mm) provides an enhanced 3D impression. Close structures are displayed magnified. Use this perspective for normal navigation.

In parallel projection, all rays are aligned in parallel. This means that objects are always the same size regardless of the distance. Choose this perspective especially if you want to compare model views with real data (X-ray or MRI).