

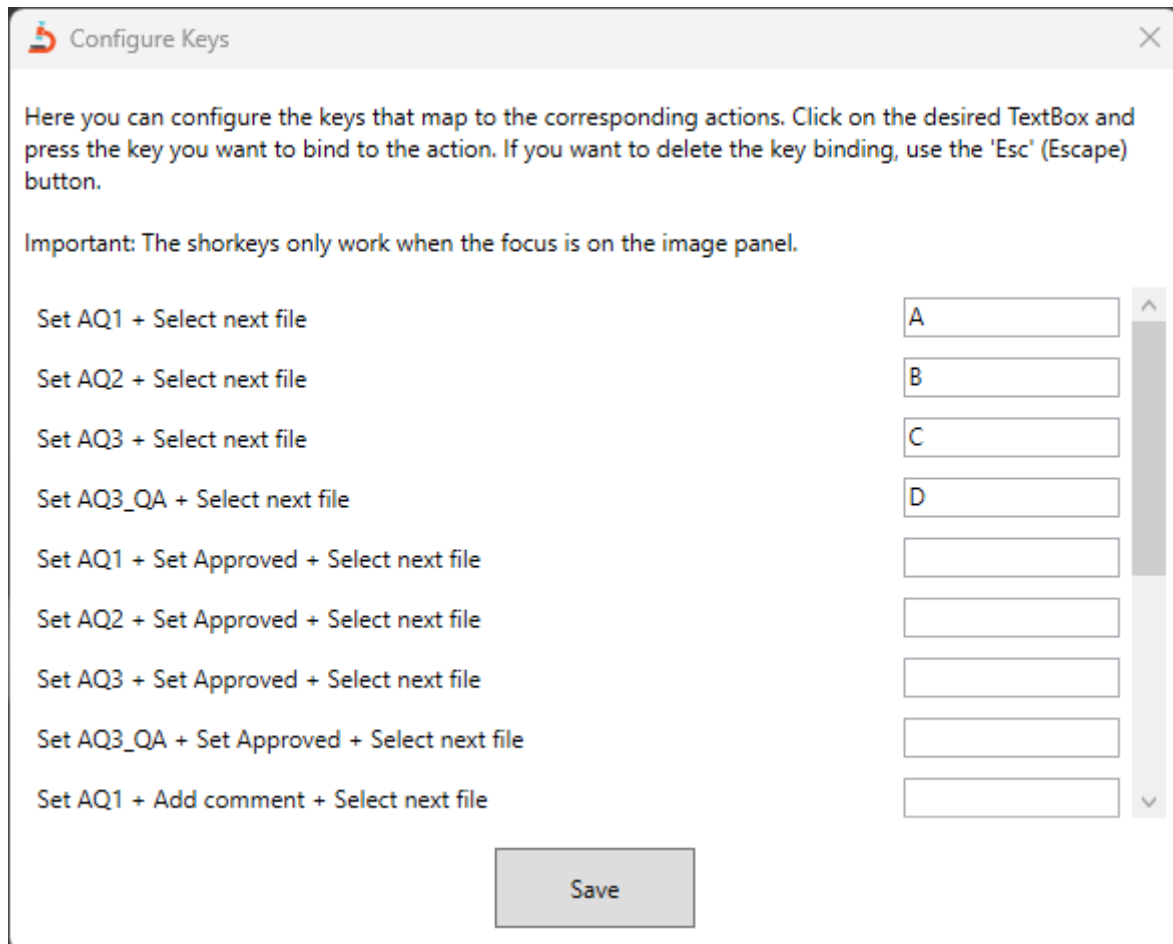
Release Notes SmartDots Software v.2024/Q4

SmartDots 4.1 software version will be released december of 2024. Changes include the **priority 1 software and Web API** wishes for **2024** listed on GitHub ([here](#)) as well as some minor tweaks/adjustments. All wishes, changes and additions are listed on the next pages. All features can be tested in the demo environment. See <https://github.com/ices-eg/SmartDots#demo>

#360: Keyboard shortcuts

More info at: <https://github.com/ices-eg/SmartDots/issues/360>

A set of predefined actions are now available to be mapped to a key from the keyboard. These actions contain 2 or more sub-actions that are chained together. The user is free to configure the keyboard mapping to its own liking. Permutations of actions exists for AQ1, AQ2, AQ3 and AQ3_QA. The actions that relate to AQ3_QA will only be visible when this quality is available through the web api. There are also some actions that are related to the edge column of an otolith. These will only be visible if the Edge-property on an annotation is enabled.



Configure Keys

Here you can configure the keys that map to the corresponding actions. Click on the desired TextBox and press the key you want to bind to the action. If you want to delete the key binding, use the 'Esc' (Escape) button.

Important: The shorkeys only work when the focus is on the image panel.

Set AQ1 + Select next file	A
Set AQ2 + Select next file	B
Set AQ3 + Select next file	C
Set AQ3_QA + Select next file	D
Set AQ1 + Set Approved + Select next file	
Set AQ2 + Set Approved + Select next file	
Set AQ3 + Set Approved + Select next file	
Set AQ3_QA + Set Approved + Select next file	
Set AQ1 + Add comment + Select next file	

Save

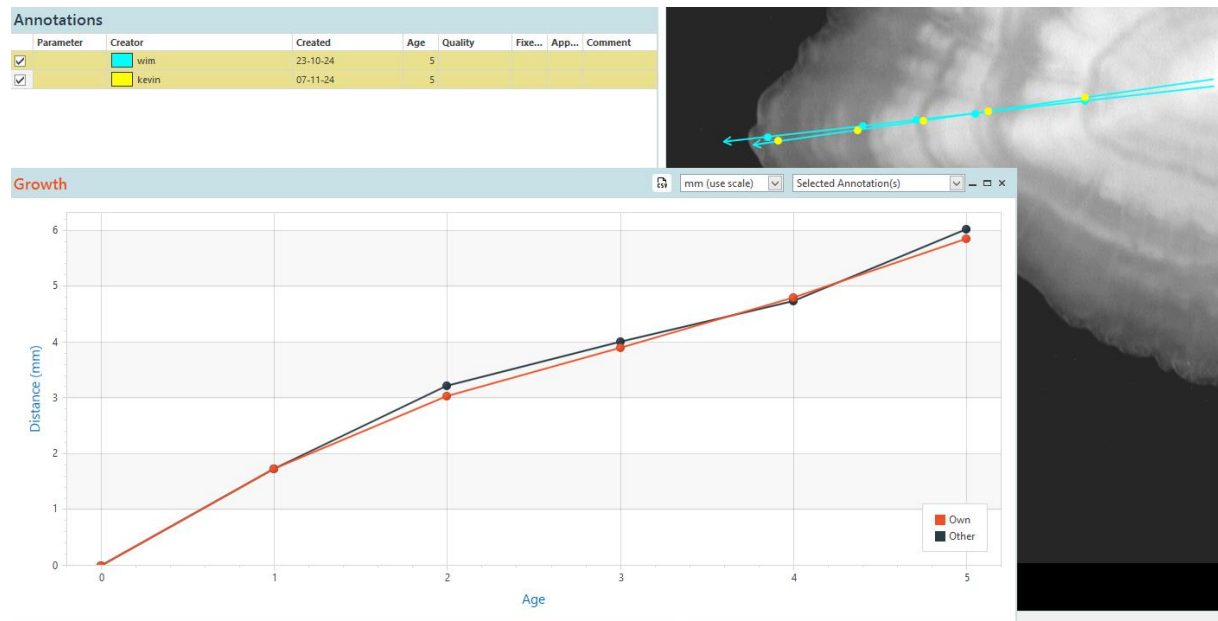
#333: Growth Graph

More info at: <https://github.com/ices-eg/SmartDots/issues/333>

The Growth graph has been revamped. It uses a new control. It has multiple modes showing, each different Growth data.

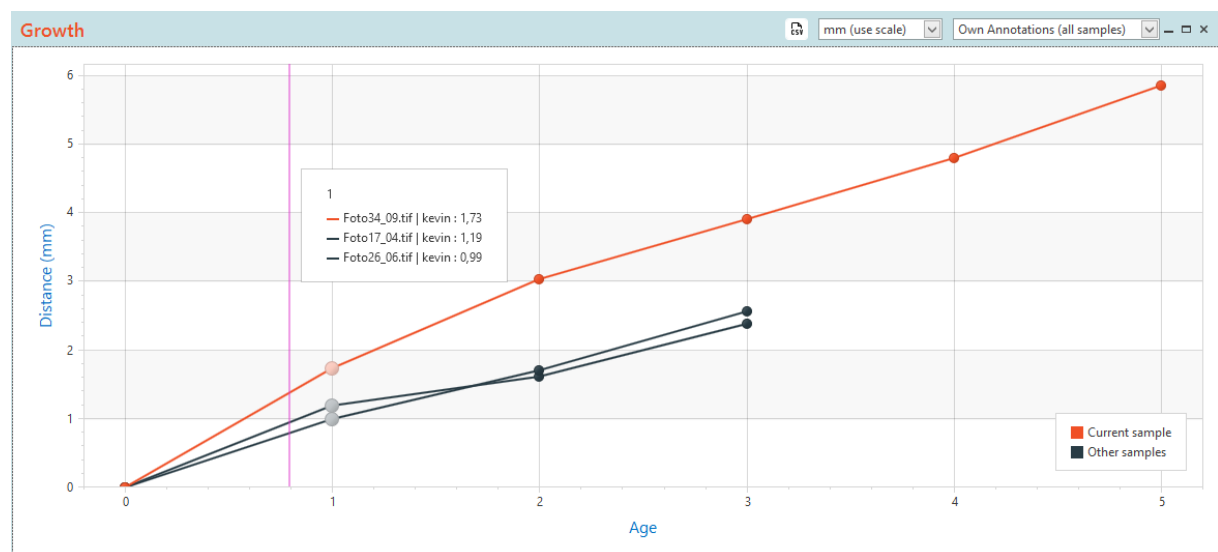
Selected Annotations

Displays the selected annotations from the Annotation list in the graph. The orange line series represent the annotation(s) you made on the current sample, the dark blue line series represents the annotation(s) others made on this sample.



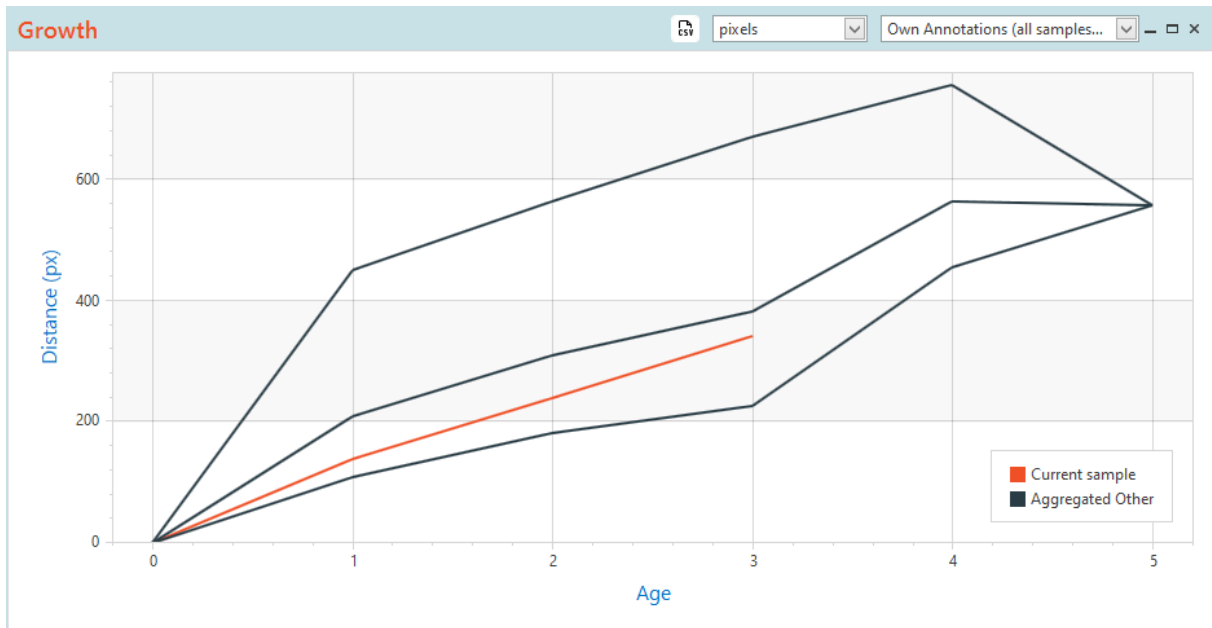
Own Annotations (All samples)

Displays all the annotations you (the current user) made on all samples in the event. The orange line series represent the annotation(s) you made on the current sample, the dark blue line series represents the annotation(s) you made on other samples.



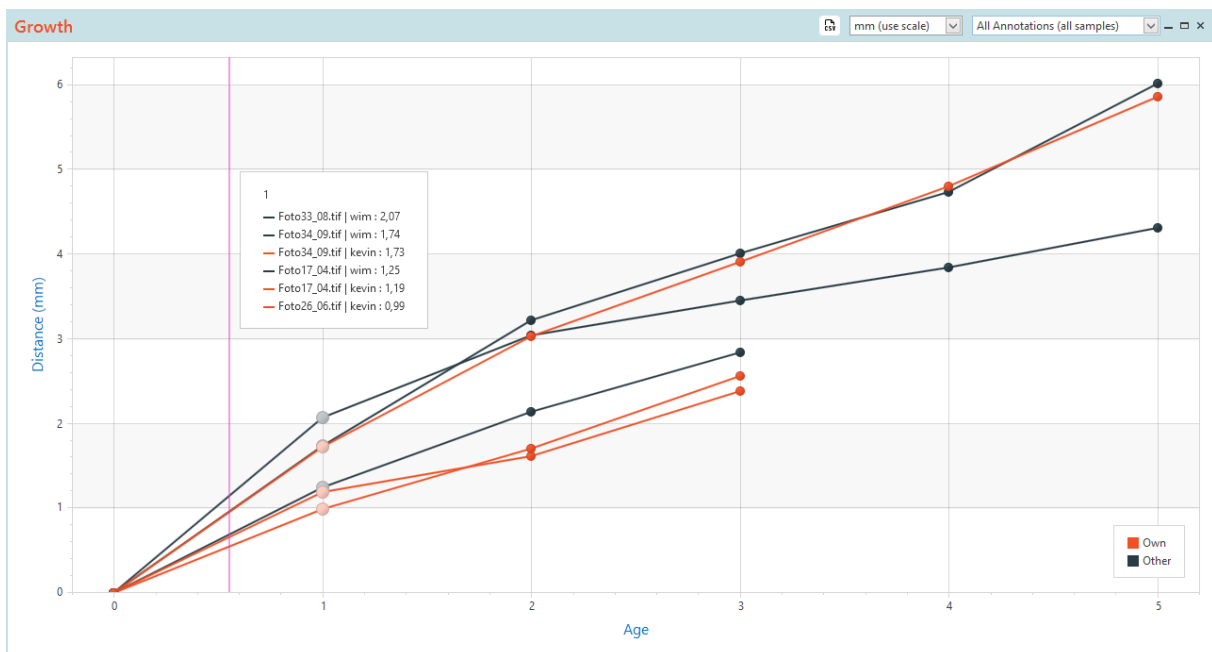
Own Annotations (all samples) – Aggregated

Displays all the annotations you (the current user) made on all samples in the event. The orange line series represent the annotation(s) you made on the current sample. The annotations you made on other samples are aggregated in 3 separate line series. Maximum, average and minimum values.



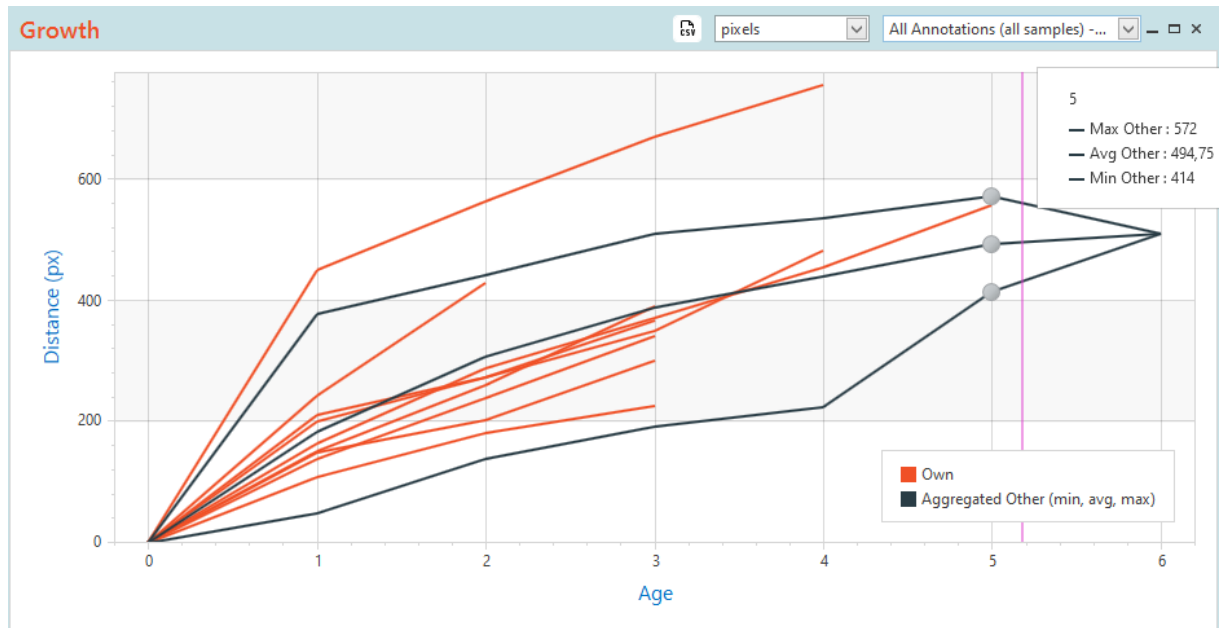
All Annotations (All samples)

Displays all the annotations everyone made on all samples in the event. The orange line series represent the annotation(s) you made. The dark blue line series represents the annotation(s) other users made.



All Annotations (all samples) – Aggregated

Displays all the annotations everyone made on all samples in the event. The orange line series represent the annotation(s) you made. The annotations made by other users are aggregated in 3 separate line series. Maximum, average and minimum values.




















Some Notes:

- In the Web API, the `DtoAnalysis.UseGrowthGraphAllSamples` needs to be set to true/false. When set to false, the only option available will be 'Selected Annotations'. The Web API logic needs to decide if this Event/Analysis allows the user to see data from other samples and users.
- When you decide to implement the `UseGrowthGraphAllSamples` and set its value to true, you need to load all annotations on all files with the initial load of the Analysis/Event in the 'getanalysis' endpoint of the Web api.

#299: Preloading of images

More info at: <https://github.com/ices-eg/SmartDots/issues/299>

In age reading, an icon now shows which images are loaded on disk. When that is the case, the image does not need to be loaded over the web. An additional download-button has been added in the title bar of the Sample panel. Using this button downloads all images of the analysis/event.

Sample list					  	
	File	Sample...	#Annot...	Scale (px/mm)		
	 Foto10_01.tif	1	1			
	 Foto13_02.tif	2	1			
	 Foto14_03.tif	3	1			
	 Foto17_04.tif	4	4	126,0		
	 Foto24_05.tif	5	1			
	Foto26_06.tif	6	1	153,0		
	Foto29_07.tif	7	1			
	Foto33_08.tif	8	1	96,0		

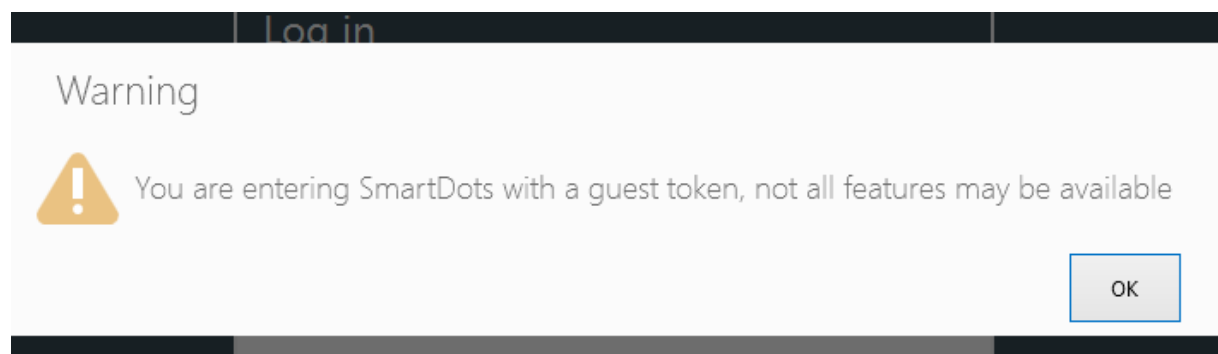
In maturity/egg/larvae, all images can also be downloaded. Since the data is loaded different, there is however no icon that displays it.

Image data can be cleared in the settings menu. When the total storage reaches over 1 GB, a prompt will appear to clear the cache the next time the user closes SmartDots.

#321: Show message when using guest token

More info at: <https://github.com/ices-eg/SmartDots/issues/321>

A warning message can now be passed from the web api after a user tries to log in. The warning message will be shown in the software.



#330: Enable column filter option to the files panel of the age reading module

More info at: <https://github.com/ices-eg/SmartDots/issues/330>

The column filters are now enabled on the list of samples (files).

Sample list			
File ▼	Sample number ▼	#Annotations ▼	Scale (px/mm) ▼

Some caution is needed here. Changing the filter, or even making a change to the file or annotations may change the selection, which may trigger a new file to be loaded.