Release Notes SmartDots Software v.2020/Q1

SmartDots 2.1 software will be released as soon as we receive our new code signing certificate. In the mean time, there is a testable version available [here](#). Changes include the **priority 1 software** wishes for **2020/03** listed on GitHub ([here](#)) as well as some minor tweaks/adjustments. All wishes, changes and additions are listed on the next pages.

#146: Event window: add filter functionality

More info at: https://github.com/ices-eg/SmartDots/issues/146

In the Event/Analysis overview, a search-field has been added. Entering text will filter the list below. The search functionality will work for all fields.
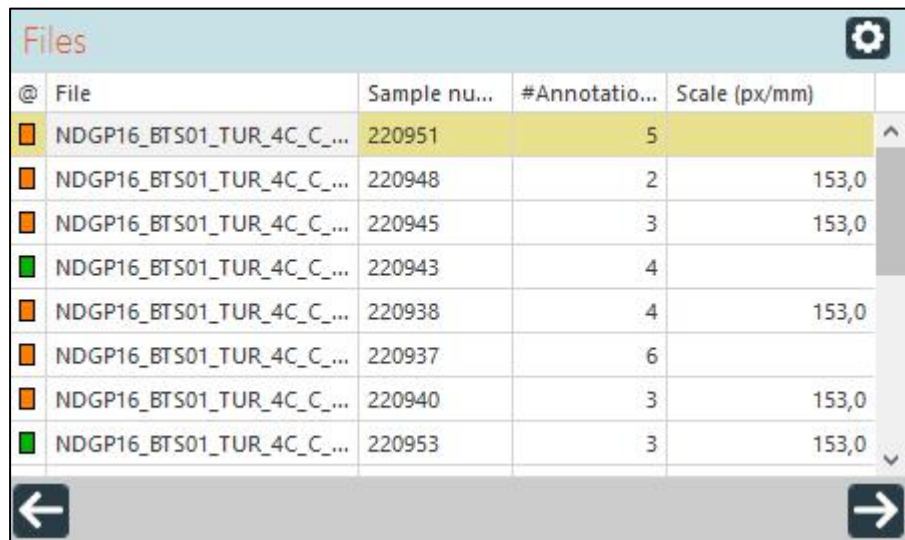
#77 File frame: add "Next" and "Previous" buttons to navigate between images
More info at: https://github.com/ices-eg/SmartDots/issues/77
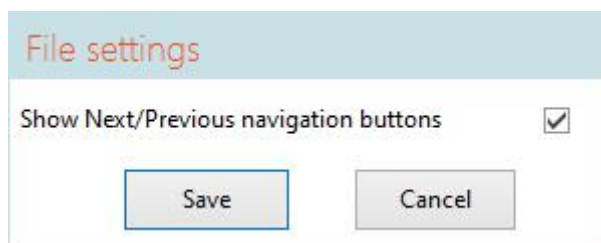
It is now possible to navigate through files with the next and previous buttons.

Because not everyone will be using this feature, and because it takes away some space from the list of files, I have made it optionally. By clicking on the cog symbol in the upper right corner, a popup will appear with the option to turn this feature on or off. Your choice will be saved and remembered for the next time you use SmartDots.

#151 File frame: do not count fixed reading line annotations in number of annotations

More info at: https://github.com/ices-eg/SmartDots/issues/151

Fixed reading lines are no real annotations, so they should not be counted by the software as such. The list of files should now display them properly when the software counts the number of annotations. However, when loading the list of files, SmartDots just believes the number the WebAPI sends.

Note to Web API developers: Please make sure that in your query you do not count the fixed reading lines when assigning the total number of annotations.

#152 Fixed reading line - disable approve button

More info at: https://github.com/ices-eg/SmartDots/issues/152

Fixed reading lines were never intended to be approved. But because the software sees them the same way as regular annotation, it was still possible to approve them. This check has now been implemented. Approving fixed reading lines should not be possible anymore.

Note to Web API developers: Existing approved fixed reading lines will remain. May be worth considering removing the approval from them with a database script.

#140 Graph frame: show multiple growth lines

More info at: https://github.com/ices-eg/SmartDots/issues/140

In addition to the growth curve, all graphs can now display multiple lines. However, when displaying multiple lines, they lose their interactivity.
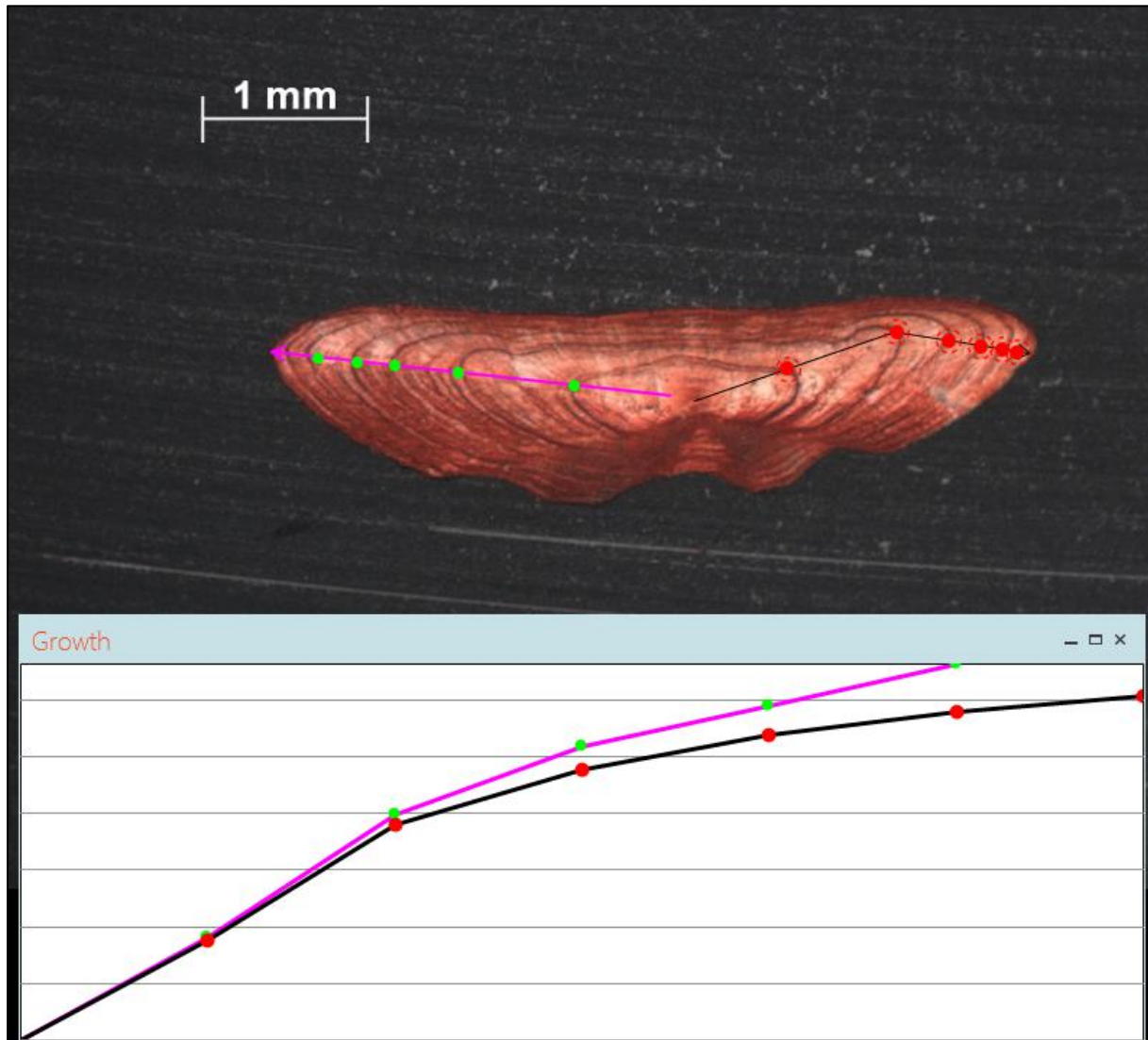
#179 Tooltip disabled buttons (Extra)

More info at: https://github.com/ices-eg/SmartDots/issues/179

This applies to the buttons that exists under the list of annotations. When the buttons are disabled, hovering over them with the cursor will display the reason.

No changes were made in the software. See feedback in the link above.

#147 Automatic activate the dot button when there is a fixed reading line set
More info at: https://github.com/ices-eg/SmartDots/issues/147

No changes were made in the software. See feedback in the link above.

Other changes

- [Technical] Removed the Aforge library and added the Accord.NET library because it is more up-to-date. This library is used when preprocessing the images before trying to measure the scale. More info: http://accord-framework.net/

- Rewrote the Scale measuring algorithm. Deleted the tesseract engine in favor of the IronOCR library. IronOCR makes use of Tesseract + has some additional features. This results in a bigger install file, but hopefully better scale measuring results.

- Some minor bugs and performance tweaks