Release Notes SmartDots Software v.2019/Q3

SmartDots 2.0 software was released on 24-09-2019. Changes include the priority 1 software wishes listed on GitHub as well as some minor tweaks/adjustments. All wishes, changes and additions are listed on the next pages.

#76: 2 extra properties: Nucleus IsOpaque & Edge IsOpaque
More info at: https://github.com/ices-eg/SmartDots/issues/76

It is now possible to let the software show 2 additional columns (Nucleus and Edge) in the Annotation panel. Extra functionality was added to the Web API to show or hide these properties per event. In the demo- environment the extra properties are shown in the Herring workshop (20170009).

In the annotation grid, the 2 extra columns are shown. You can manage the Edge and Nucleus properties directly in the grid. The available options for both properties are: Opaque, Translucent, NA (not applicable). The software will translate NA to null (nothing).

The Edge and Nucleus fields are also integrated in the popup window to edit/save the annotation.

#84 "AQ3 - no age" to be added to readability scale

More info at: https://github.com/ices-eg/SmartDots/issues/84

An extra AQ-code "AQ3-QA" can be added via the Web API.

The definitions are now as follows:

- AQ1: Rings can be counted with certainty
- AQ2: Rings can be counted with difficulty and some doubt
- AQ3: Rings cannot be counted, the calcified structure is considered unreadable (no age assigned)
- AQ3_QA: Rings cannot be counted, the calcified structure is considered unreadable, age assigned for QA purposes only

When "AQ3" is selected, all dots will be erased from the annotation (if there are any) and the Age field will become empty.

The software will now display a warning when the user tries to assign AQ3.

EDIT ANNOTATION   - user1 - 24/09/2019 11:23:42

PARAM	OWR
AQ-code	AQ3

Warning: Changing the Readability Quality to AQ3 will remove all Dots of the Annotation!

Approved ☐

Comment

[Save] [Cancel]

Note: Currently it is NOT possible to enforce the user to fill in an AQ-code, because there are too many ways a user can skip on this, and because it would heavily affect existing web api's to implement the feature, this request could therefore not be completed.

#56 Functionality for the reader to signalize that he has finish the exercise
More info at: https://github.com/ices-eg/SmartDots/issues/56

A new button was added on the Event overview screen. This "Finished/Reopen"-button is only enabled when the data contains a column "User Progress".

Clicking on the button sends a signal to the Web API to Finish or Reopen the selected event. The owner of the Web API can decide if he/she allows the user to enter a Finished event. I have chosen to display an error message.

#92 Hide reading line functionality

More info at: https://github.com/ices-eg/SmartDots/issues/92

There is a new toggle button was added in the age-reading window. Clicking on this button toggles the line visibility:
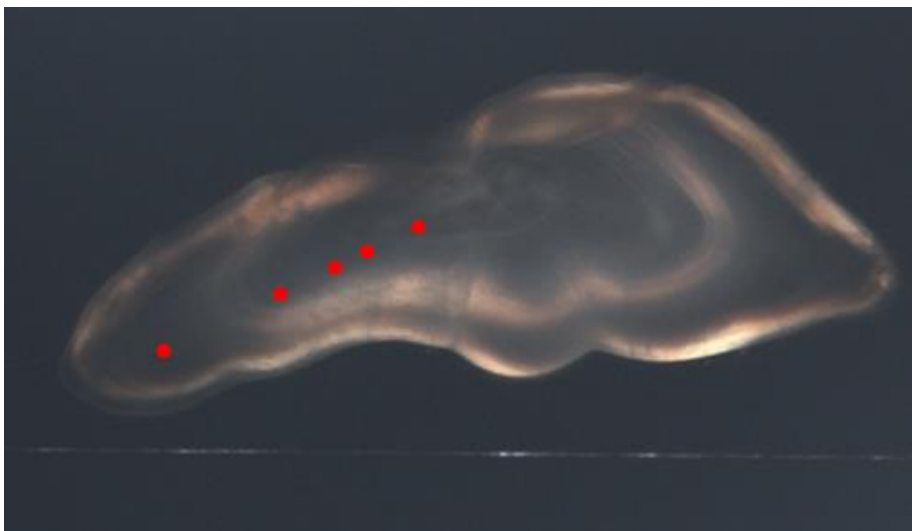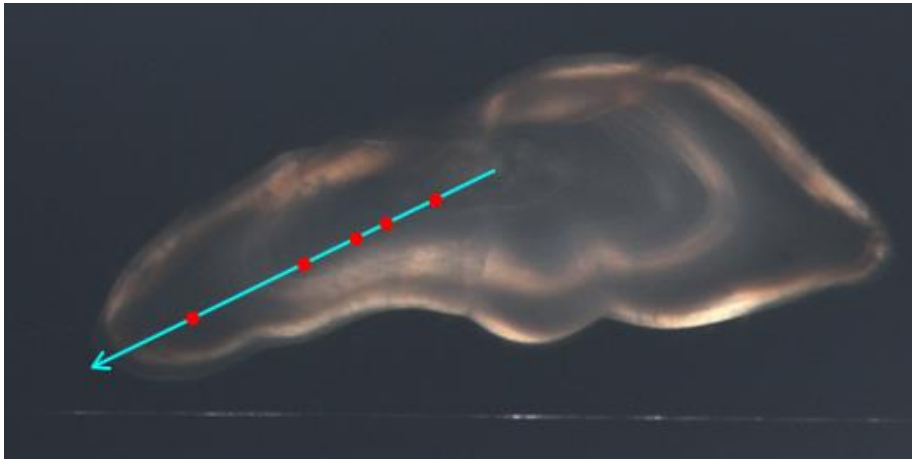
When the line is invisible, dots can still be added.

The button also toggles on-screen measurings (See issue 111).

#111 On screen measuring

More info at: https://github.com/ices-eg/SmartDots/issues/111

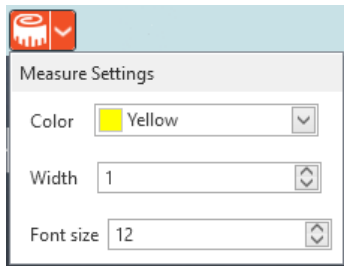A new button with options has been added to the age-reading window. With this button the user can measure distances on the otolith image.

Measurements will appear as a dashed colored line with text above or below it. The line width and font size are as displayed when the image is viewed on 100% size. The user can modify the measure settings.

To start measuring click on the Icon (left hand side) and draw a line on the image as you would make an annotation line. As you are drawing the line, the length of it is displayed along with it in pixels (if the scale is not known) or in metric lengths (if the scale is known).
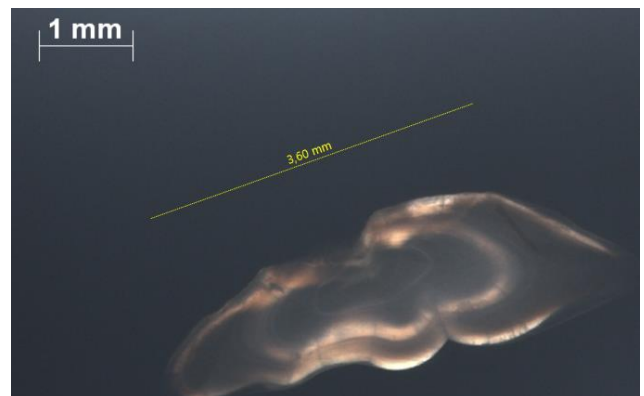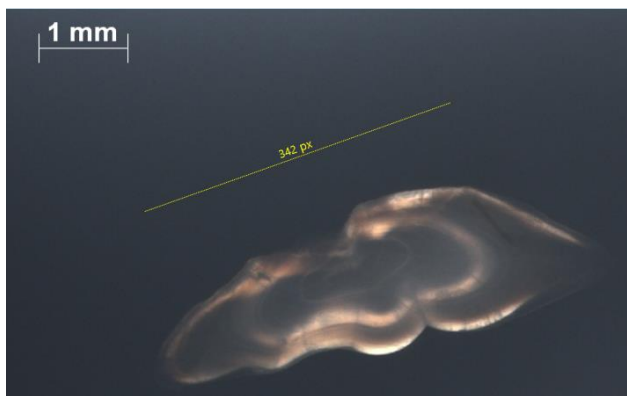
Measurings can only contain 1 line segment. You can draw as many measuring lines as wished. The measuring line settings will be remembered between sessions, however measuring lines are temporary and are thus not saved.
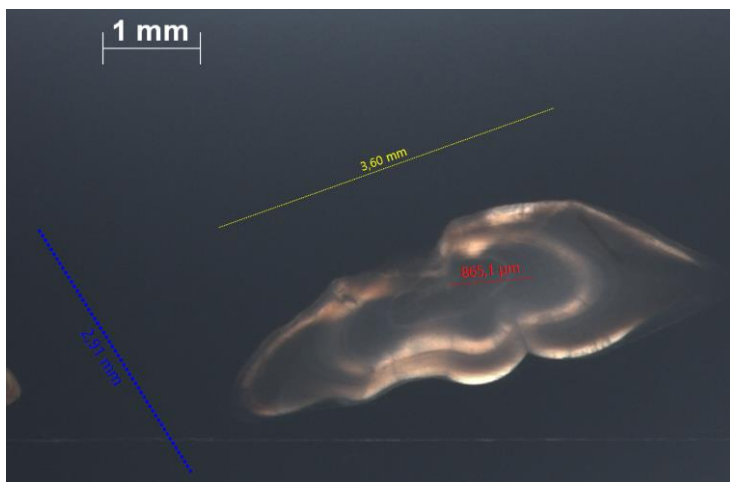
Other changes

- Making an annotation Fixed/Pinned will now clear its AQ-code.
- If changing an approved annotation is allowed, making this annotation Fixed/Pinned will now clear its approval.
- A '?' has been added to the title bar which opens the web browser to http://ices.dk/publications/library/Pages/default.aspx#k=smartdots%20handbook
- Several performance fixes in the software
- The Graphs will now use the same line and dot colors as the annotation it displays. Dots' sizes will also be displayed in the graphs. The Graphs' background may change to black in order to have a high contrast with the line color.