

Test report Opencast Editor

Test characteristics:

My testing checklist:

- [A11y Project Checklist](#)
- [Simplified WebAIM's checklist](#) to start
- [WCAG 2.1](#) for details

Assistive Technologies and Accessibility Checkers I used:

- WAVE
- ZoomText (Version 2021.2111.2 ILM)
- Windows integrated function high contrast mode

Version I tested:

- [Opencast Editor](#), Version 2022-04-08 09-29-24
- Tests on Monday 16th May and Tuesday 17th May.

Laptop test:

- Google Chrome (Version 100.0.4896.127 (Offizieller Build) (64-Bit))
- Microsoft Edge (Version 101.0.1210.47 (Official build) (64-bit))

Mobile device test:

- Android: Samsung S20 Version (Google chrome)
- iPad: iPadAir 3rd Generation (Safari) iOS 15.4.1

Overall comment

Opencast Editor is a simple and intuitive editor. To the exception of a few issues, users navigating with a keyboard only can use the platform. However, there is a need to improve the platform for users with a visual impairment as there are issues that appear in Windows High Contrast Mode and when the page is zoomed with the browser function. Moreover, an accessibility statement is necessary to emphasize efforts for accessibility, provide support, and welcome feedbacks. The shortcuts can be improved to be more intuitive and simpler. Opencast Editor also needs to be optimized for mobile devices.

Accessibility statement

- An accessibility statement is missing. This link/page could gather explanations about accessibility shortcuts, provide explanations on how to use the platform, and to what extent the platform is accessible. There should also be a possibility to get in contact and give feedback.

Tolerance for errors and saving work in progress

- It would be great to be able to save progress with ctrl + S or that the browser saves automatically instead of always going to fertigstellen.
- Adding history of changes could enable users to correct their mistakes.
- On the subtitle page, Ctrl + Z only works for the text the user typed in. If he/she moved a text element (in the timeline), he/she cannot reverse that action.

Browser zoom issue and responsivity

- Zooming in does not work well on the pages Schneiden, Metadaten, and Tastatursteuerung because elements hide each other (instead of reorganizing themselves) (see Figure 1) and the user has to scroll horizontally.

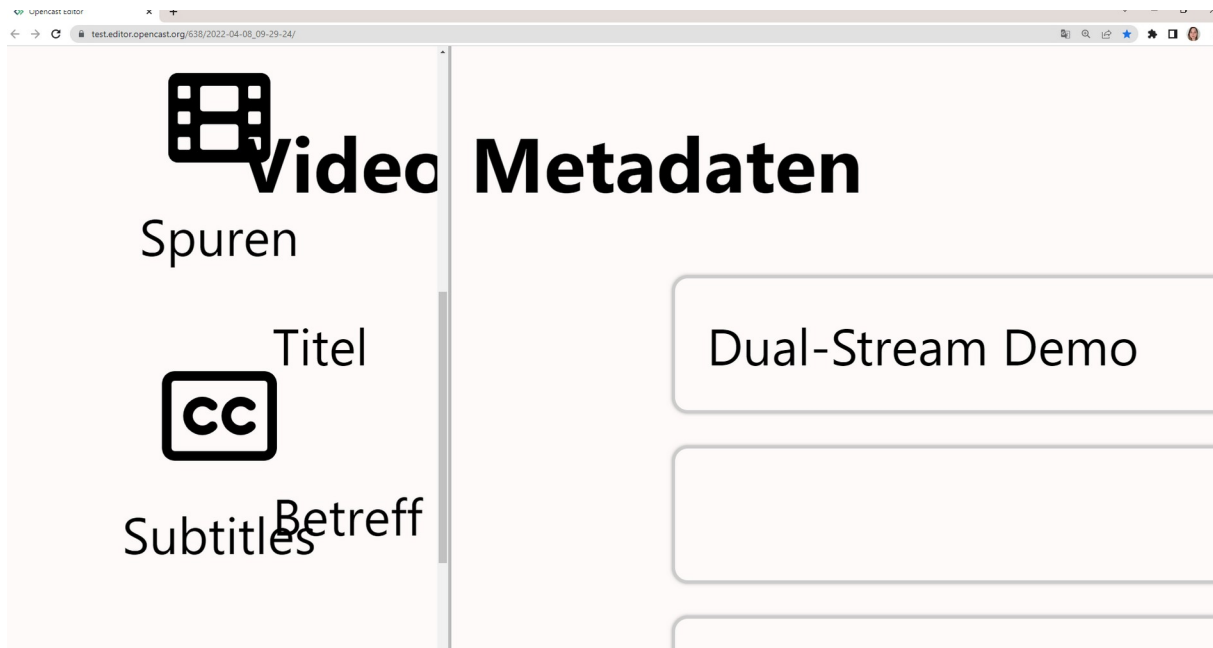


Figure 1 Video Metadaten in Zoom 500%

Comments to use OpenCast on mobile devices

- Opencast editor is not really responsive to change of sizes. Using Opencast on an iPad in landscape view works well and portrait view is ok. For a mobile phone, the landscape view is ok, but starts getting difficult to navigate because users have to move horizontally and vertically. The portrait view is not good for a mobile phone.
→ the menu bar could be moved down to the bottom of the screen (at least in portrait mode). An idea could also be to allow users to hide the menu to gain space (with a hamburger menu for instance?)
- The preview mode does not work on iPad. When there is a deleted part, the cursor jumps to the next segment, but get stuck and does not go further.
- The icons of the finish page are too big on the mobile phone.
- In general, many accessibility features on mobile devices are not supported:
 - On an Android mobile: dark mode and increasing font size.
 - On iPad: bold text, large text. In smart invert mode, entry form fields disappear. If the user activates the “reduce transparency” feature, layout is changed, buttons get names like “cuttingActions.cut-button”.
- Opencast needs to be further optimized for mobile devices. The platform has only few options to edit the video. It would be great to be able to do it on the go with a mobile device. Besides, this can be important for users who prefer using mobile devices due to a disability.

Issue with Windows High Contrast Mode

- Many elements disappear in Windows High Contrast Mode. FYI: To activate and deactivate this mode, you need to press left alt + shift + printscreen.
- In the Schneiden page(see Figure 2): the icons of Schneiden, Metadaten, Spuren, Subtitles, and fertigstellen; the keyboard icon (for the shortcut menu); the frames of the buttons Schneiden, löschen, Links/rechts zusammenfügen; the toggle of the Vorschaumodus button, the play button; and the timeline with audio wave and its cursor.

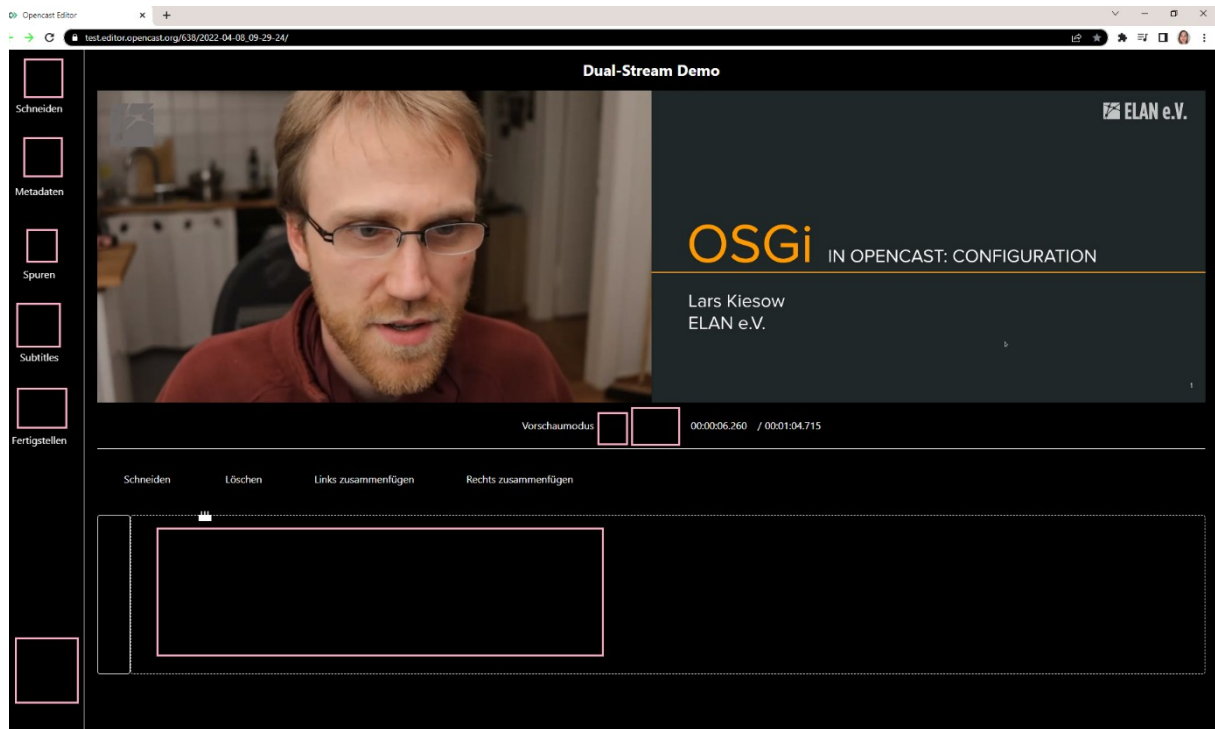


Figure 2 Editing page in Windows High Contrast Mode on. Many elements are disappearing. They have been highlighted by a pink frame.

- On the Spuren page (see Figure 3): The frames of the spur löschen are missing as well as the info icon.

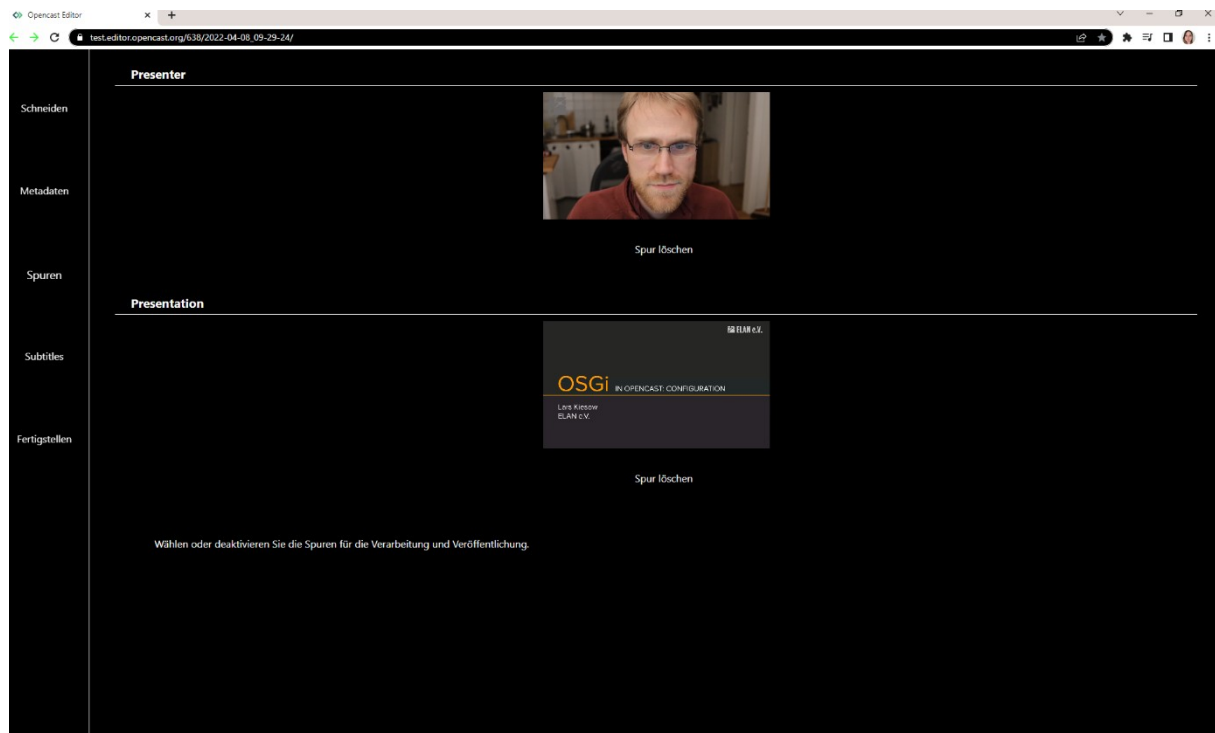


Figure 3 Spuren page in high contrast mode.

- The + button to add subtitles also completely disappears. Similarly to the issue on editing page, the toggle for Vorschaumodus as well as play button and the timeline disappear in the subtitle page (see Figure 4).



Figure 4 Subtitle page in high contrast mode.

- The icons on the fertigstellen also disappear.

Language issue

- There is no possibility to change the language of the page. Yet, when I tested opencast editor on iPad, it was in English (as my iPad is in English). It is great that it recognizes default language, but users need to be able to change language.
- Language is not always consistent. For instance, in the German version it says “Subtitles” and not “Untertitel”. See issues on the “Tastatursteuerung page” section.

Issues on specific pages

Schneiden Page

- To delete a segment with the keyboard, it deletes the part that is on the cursor, but not the segment I am in. This is counterintuitive. The same happens when I merge the segment with a previous segment (e.g. links zusammenfügen button).

Metadaten Page

- Duration should be already filled in.
- ZoomText says «Unnamed edit box» for all fields that have a drop-down suggestion list (Sprache, Lizenz, Serie, Vortragende(r), Mitwirkende(r), Startdatum). → Label them correctly.
- ZoomText reads “dd/mm/yyyy ...” for Startdatum. → Label it correctly.
- Info Help options to fill in the metadata could be added (e.g. for UID, licenses).

Spuren

- Wording should be reconsidered. Is it deleting or deactivating the video track?
- Put the preview images with the “spur löschen” buttons on the left so that ZoomText users find the content faster and closer to the headings Presenter and presentation.

Subtitles Page

- Where will the subtitles appear? On both screens? It is not clear in the subtitle editor.
- I cannot move the timeline cursor with the mouse (only with keyboard).

- When the page is zoomed in, there is only a plus icon as content (see Figure 5). Without seeing the whole page, it is a bit confusing what the user is supposed to do. → Add a text under the plus such as “add subtitles”.
- Can existing subtitles be imported? Can they be automatically generated? So far, it looks like I can only write subtitles manually.
- It would be great to have some indicator about how much time the text should be displayed depending on the length of the text.
- Language names are still in development I guess because there is a raccoon as well as Donaudampfschiffahrtsgesellschaft.

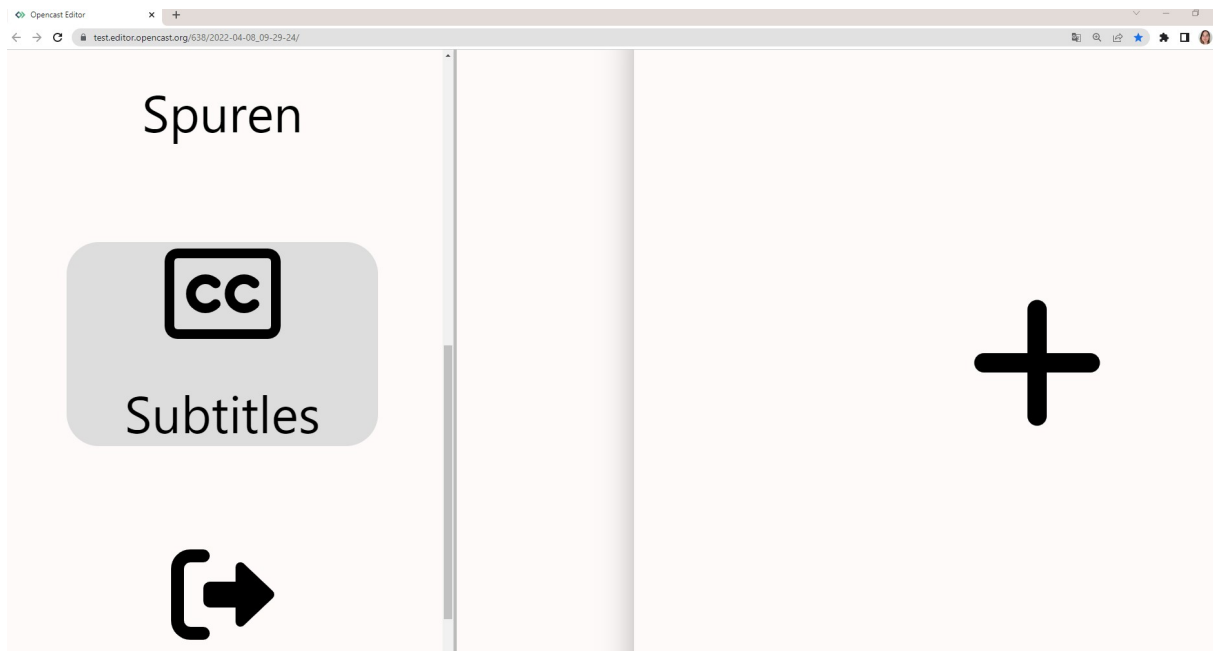


Figure 5 Subtitle page in 500% Zoom

- The contrast ratio of the subtitle space in the timeline is not high enough (it is 2.8:1 and WCAG recommends 4.5:1 for normal text and 3:1 for large text).
- On the iPad, if the user moves the subtitle segment on the timeline, it does not automatically glue to the closest segment. On a laptop, it looked like it was doing this magnet effect. It would be good to have that effect.

Tastatursteuerung Page

- The page is partially in English, partially in German → make it consistent.
- The keyboard icons are in English, I would put icons corresponding to the language (e.g. “Steuerung” instead of “Control”).
- Use the arrow icons for left, right, and up and put the written name in parentheses.
- What about keyboard shortcuts for Mac users?
- Overall, the keyboard shortcuts are quite complicated and thus need to be simplified:
 - Avoid as much as possible three finger shortcuts.
 - Why not using the delete key instead of ctrl+alt+d?


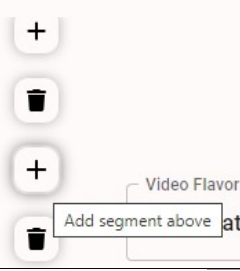

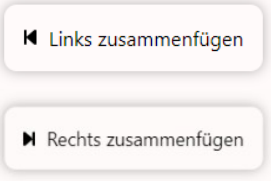
Fertigstellen page


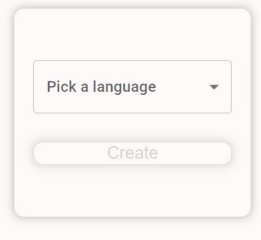
- What happens when the user selects Verarbeitung starten? I do not understand what the workflow publish is. → text needs to be clearer.

Focus indicator and keyboard navigation

- Focus indicator well visible, and all controls can be reached with keyboard. However, there are some that cannot be activated with keyboard (see section “Comments on each control” below).

Comments on each control

Control label	Control description	Screenshot	Comments
Vorschaumodus toggle switch	Toggle switch that activates or deactivate the preview mode		<ul style="list-style-type: none"> • It is activated with space bar (this is not consistent with other buttons that are activated with enter) • Add a visual “on/off” so it is clearer when the toggle is active or not. • Disappears in high contrast mode.
Add segment above/below buttons	In subtitles, adds segment above or below		<ul style="list-style-type: none"> • Cannot be activated with a keyboard.
	This button leads to the page gathering keyboard shortcuts.		<ul style="list-style-type: none"> • Give a name to this menu → “Keyboard shortcuts”? • Make it as big as the rest of the menus
Links/Rechts zusammenfügen buttons	These buttons merge the video segments with the one to the left or to the right.		<ul style="list-style-type: none"> • They are activated by pressing space bar. Enter would be preferable as space bar is a shortcut to play/pause video. • Their frames disappear in high contrast

			mode.
Schneiden button	This button cuts the video into segments.		<ul style="list-style-type: none"> Activated by pressing space bar. Enter would be preferable as space bar is a shortcut to play/pause video. Frame disappears in high contrast mode.
Create button	Button to create subtitles		<ul style="list-style-type: none"> Contrast ratio is too low. Create is written in white on iPad and is therefore not visible.