



WEB VIEW

2014-0048 BSG-INFRA

QUICK REFERENCE GUIDE

1 The module „BSG-INFRA WEBVIEW“

BSG-Infra aims to meet the demands of its customer and those of the modern working world. Consequently, the data processed in BSG-Infra should be available anytime, anywhere. This led to the development of a web version of BSG-Infra, which is briefly addressed below as "Webview".

Webview can be started in every web browser using the following link:

Https-Login: www.bsg-infra.net

When starting the Webview tool, a welcome page appears with a "Log in" button on the top right, highlighted in gray.

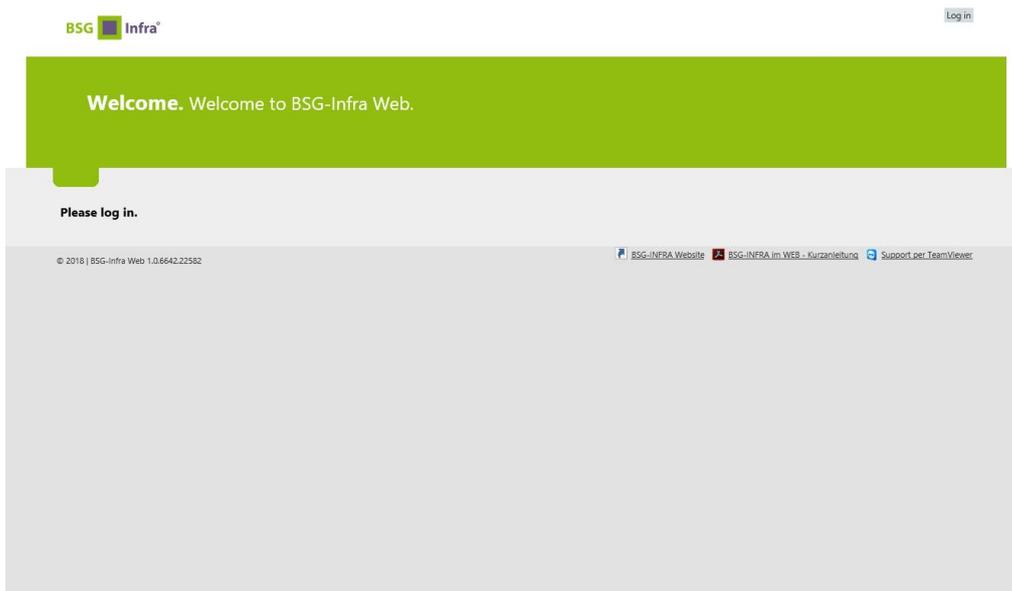


Figure 1 - Welcome page of Webview

This "Log in" button should be clicked first to enable the user to log in.

As shown in Figure 2, the user name has to be entered after the pattern "first-name.lastname", the password according to the information sent by the administrator to the user. Afterwards the gray highlighted switch "Log in" should be pressed to finish the login.

1.1 Log-in view of Webview

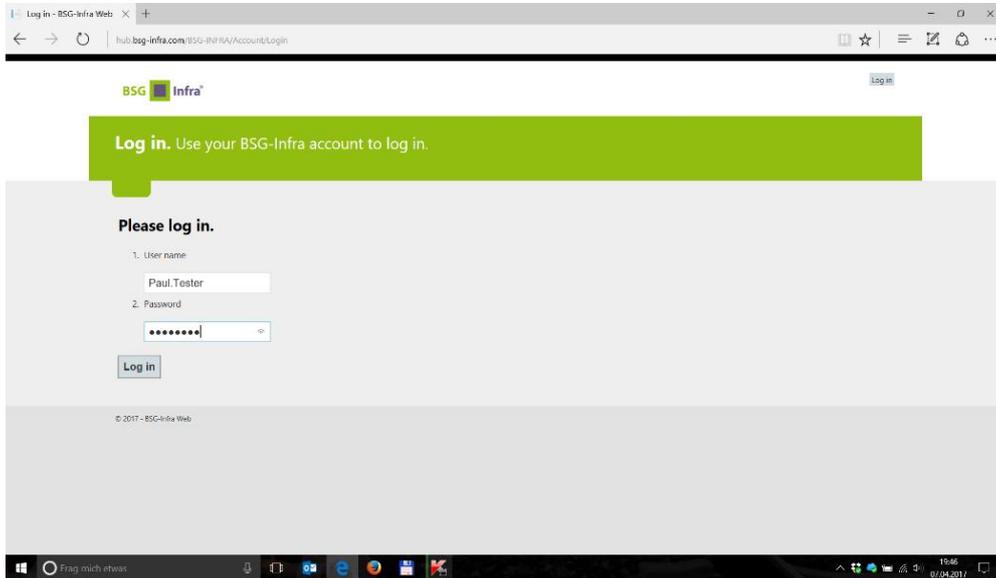


Figure 2 - Log-in view of Webview

1.2 Options menu of Webview

After a successful login, the options menu appears on the right above the green crossbar. To display condition data, the menu item "VIEWER" should be selected.

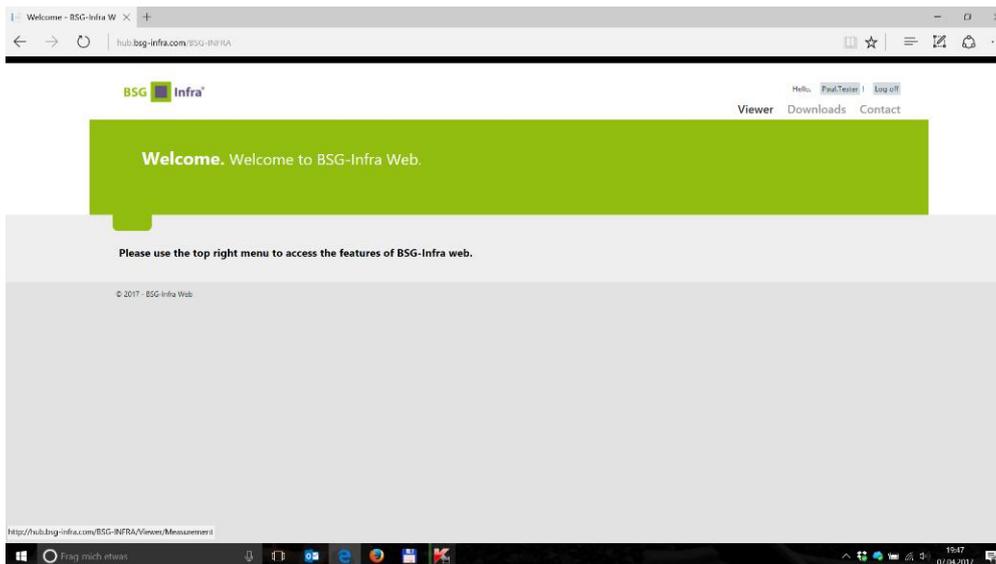


Figure 3 - Options menu in Webview

1.3 Language adaptation

Up to this step, the complete menu is in English only. This is because the module as well as the desktop version is offered in three languages (D / E / F). In order to avoid that, in result of the automatic querying of the user language of the browser, this definition can only be changed again with difficulty; the language selection is arranged directly in the viewer window. At first, the viewer window opens in language no. 1 - German.

There is a gear icon in the bottom left corner. Clicking this symbol opens the routine "Language adaptation".



Figure 4 - Gear icon - language adaption

Changing the viewer language can be done by just clicking on the flag.



Figure 5 - Options menu languages

This selection has the following consequences for the display:

- 1. Navigation area of the website
 - here, all information will be provided in the language, set as described above.

- 2. Content form the desktop version of BSG-Infra
 - here, all language settings being made in the desktop version will be shown (see also chapter Fehler! Verweisquelle konnte nicht gefunden werden.)
 - Status information such as for example "NO PICTURE" are loaded from the file "Settings.ini" of the root folder of the desktop version, which also contains the EXE file "BSG-Infra.exe".

- 3. Link to the „WATCH“-module (HTML5)
 - here, only content will be displayed being captured by the apps WORK, WATCH, REPORT and DRILL. The language used for the input will not be changed.

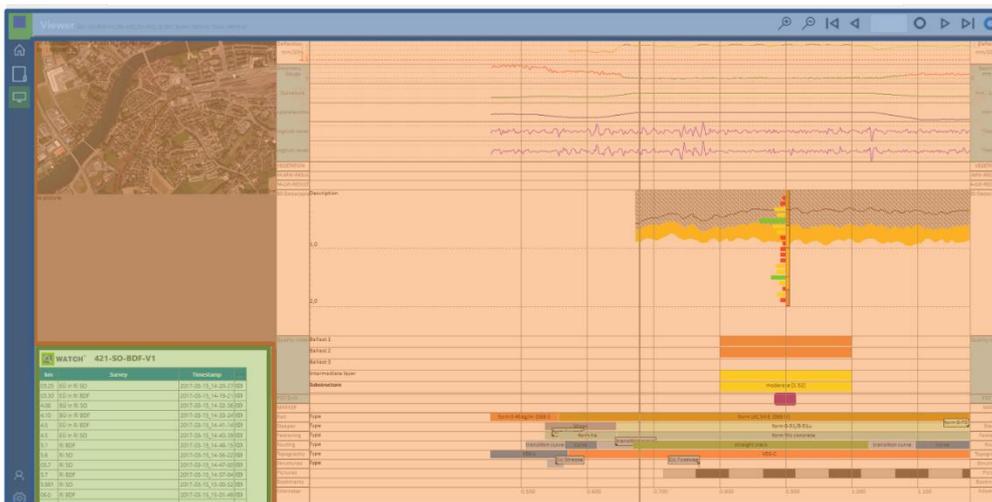


Figure 6 - Base of language control

1.4 Selection of a track section

The selection of the track section to be displayed is started by clicking on the "Folder" button in the menu that is located on the black bar just below the "Home" button and highlighted in green in Figure 7.

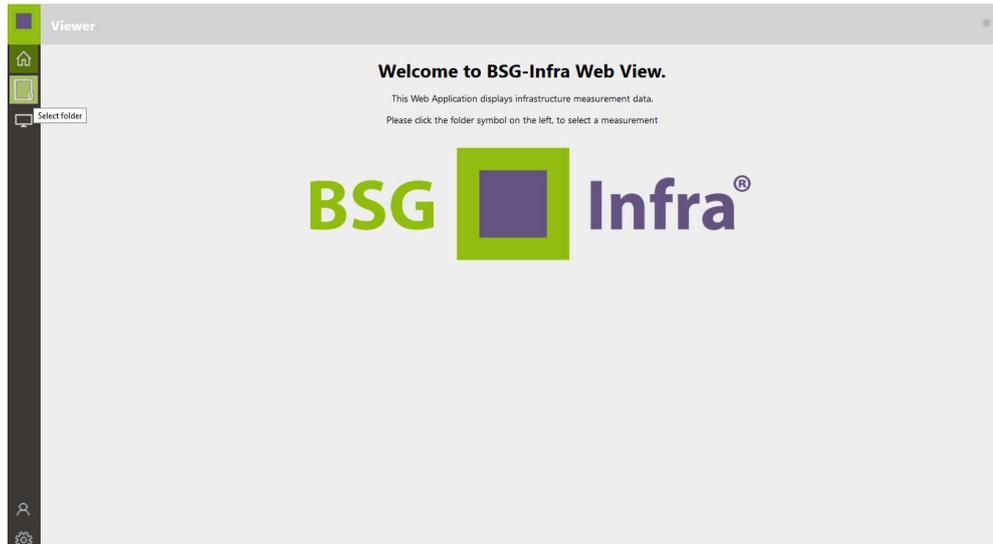


Figure 7 - Selection of a track section

Subsequently, all sections, being available to the user will be displayed. The selection of a section of track can be done by just clicking on one of the green highlighted fields as shown in Figure 8.



Figure 8 - Available track sections

Now the measurement is loaded. This may take some time depending on the power quality.

1.5 Default view

Sobald eine Strecke, wie vorab beschrieben, ausgewählt wurde, öffnet sich die Hauptansicht wie in Abbildung 61 dargestellt.

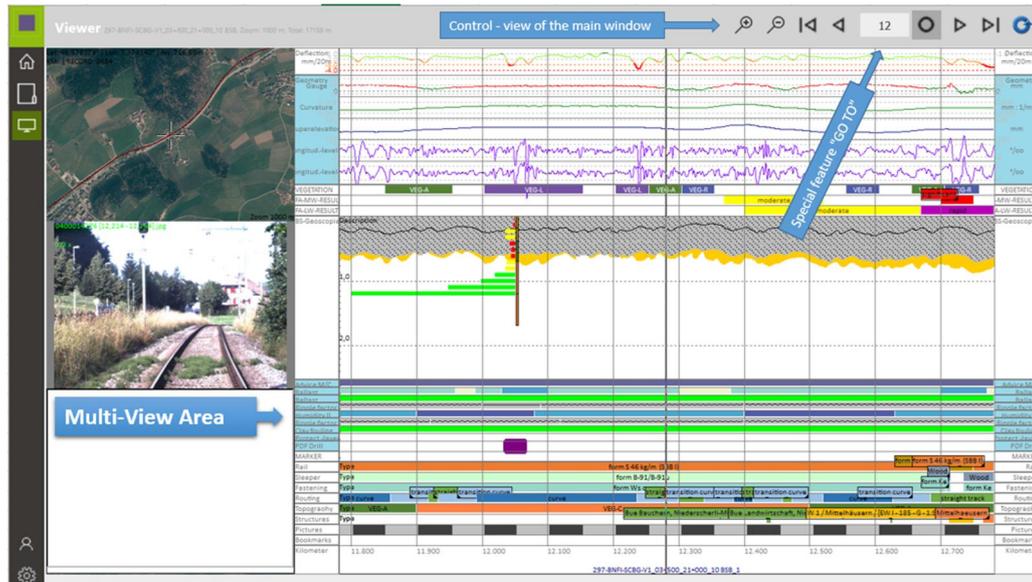


Abbildung 1 – Default view of Webview

In the default view, from the top right to the bottom of the main screen, first the deflection measurement is displayed followed by a multi-view area with the following content:

- selected channels of track geometry measurement
- multi-year series of longitudinal height
- Results of fractal analysis, medium wave
- Results of fractal analysis, long-wave

Below the first multi-view area, the results of the vegetation image analysis (if available) and the results of the fractal analysis (if available) followed by the area BSGeoscropy (georadar and drillings) are displayed. Below, another multi-view area is displayed, which is highlighted in blue on both sides in the main window. If you click on one of the two blue areas, the following information is displayed alternately:

- Quality index related to drilling
- Assessment of georadar measurements
- Reconstruction and/or Maintenance recommendations based on the analysis of the condition data

Below this second multi-view area, a third, single-line multi-view area follows where all retrievable files (CSV, PDF, etc.) are made available. The respective files can be opened by clicking on the marker assigned in the chaining.

Below that, a group of single-line channels shows all kind of asset data of the superstructure, such as rail types, types of fastening and threshold types. Furthermore, information on routing, topography, structures (galleries, bridges, level crossings, stations, tunnels, etc.) as well as the display of an image documentation from the georadar measurement, bookmarks and kilometer chainage.

The smaller windows on the left are linked to the main window. The assignment takes place via the chainage located in the middle of the main window. This is marked by the vertical non-displaceable line arranged there and highlighted in Figure 9 with a vertical red-dotted line.

1.6 Restrictions / Operating Changes in the Webview

Unlike in the desktop application, the view in the main window, as well as the site map view, cannot be adjusted by a menu, which can be opened with the right mouse button. With regard to the main window, the navigation elements on the top right and left side can be used instead. The available icons are described below:

	Home page of Webview
	Folder selection
	Data view
	Log in / Log off
	Settings
	Zoom in
	Zoom out
	Go to "Begin" of the section
	Scroll left
	GO-TO button (reacts on input field chainage)

	Scroll right
	Go to "End" of the section
	Update view - useful after changing the window size or screen orientation

1.7 Navigation in the main window

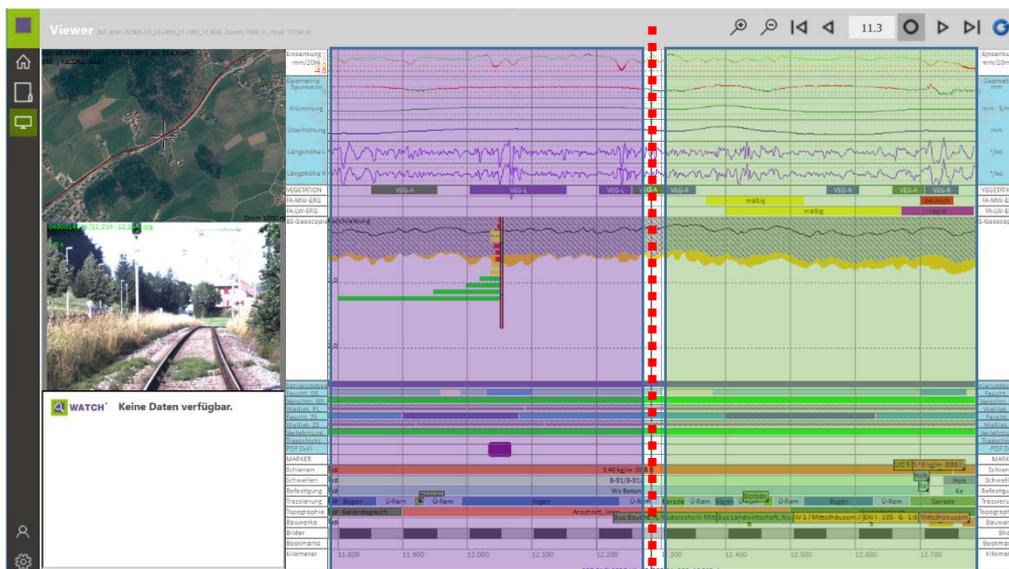


Figure 9 - Navigation areas in Webview

The multi-window display of various data is based on the approach of using a connecting coordinate, in this case a kilometer chainage point.

This point is highlighted in the main window in Figure 9 as a red dotted line. The displays in the three auxiliary windows arranged one above the other on the left are therefore always related to exactly that kilometer indicated in the main window at the bottom of the red dotted line in the channel "Kilometer". In terms of navigation through the data displayed in the main window, this means that clicking with the mouse in the left (violet highlighted) area of the main window moves the data to the left, descending in the direction of the kilometer. In contrast, clicking with the mouse in the right (green highlighted) area of the main window moves the data to the right, i.e. in ascending order of ascending direction.

This feature is designed that way to always move to the kilometer that corresponds to the click point. A click in the left (violet) field near the red dotted line thus shifts only slightly to the left; a click in the left (violet) field near the left edge of the violet field thus shifts far to the left.

The click point can be set in the entire data window and thus can be used to,

for example, show an image correlated to a vegetation marker by just clicking on a marker in the data channel vegetation. Figure 9 shows an example. There, the red dotted line cuts through such a mark in the data channel vegetation and in the middle secondary window, the corresponding "image" is displayed in the center window on the left.

In addition to this mouse-controlled navigation, you can also work on the navigation bar arranged in the top right of the main window.



Figure 10 - GO-TO feature in the navigation bar

1.8 Navigation bar

The zoom factor can be changed with the magnifying glasses. Clicking on the "plus" magnifying glass leads to a "zoom in" (the scale is reduced) and clicking on the "minus" magnifying glass zooms out, so the scale is enlarged. By clicking on the icon "Triangle to bar on the left", the display jumps to the beginning of the selected track section. Clicking on the "Triangle to bar right" symbol will cause the display to jump to the end of the selected section. Clicking on the triangles without bars shifts the display visible in the window by one window width to the left or to the right, taking into account the set zoom factor.

1.9 „GO-TO“-Feature

The "circle" symbol starts the "GO TO" function, i.e. the possibility of jumping directly to a specific kilometer of the chainage by just entering a specific kilometer in the input field to the left. In the example in Figure 10, the value "11.3" is entered in the input field. A click on the "circle" symbol would show the data set at kilometer 11.3 below the red dotted line shown in Figure 9 and the areas below and above the selected kilometer would be displayed on the left and right according to the set zoom factor. In the auxiliary windows arranged on the left, the data, correlating to the kilometer 11.3 would be displayed.

