



User Manual Arcmap Add-In

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1. The use of the Add-In

1.1 Show Cyclorama images

You have to do these steps to open a Cyclorama image on the screen:

- 1) Select in the Cyclorama toolbar: 'Add recent cyclorama layer'(Figure 7).

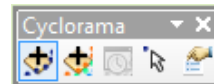


Figure 1: The selected 'Add Recent Cyclorama Layer' icon

- 2) In the 'Table of contents – layers' screen appears a 'CycloMedia - Recent Recordings' layer (Figure 8).

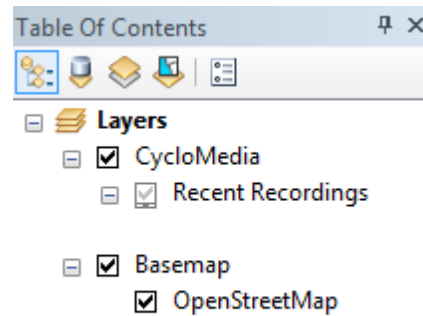


Figure 2: The CycloMedia - Recent Recordings Layer

- 3) Zoom in on the map and if you have reached a zoom level of 1:2000, you will see dots on the map. (With the condition that there are recordings in that area)
- 4) Select the 'open location tool' in the Cyclorama toolbar (Figure 9).

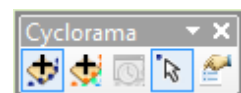


Figure 3: The selected 'Open location tool'

- 5) Click on a dot and the corresponding cyclorama opens (Figure 10).

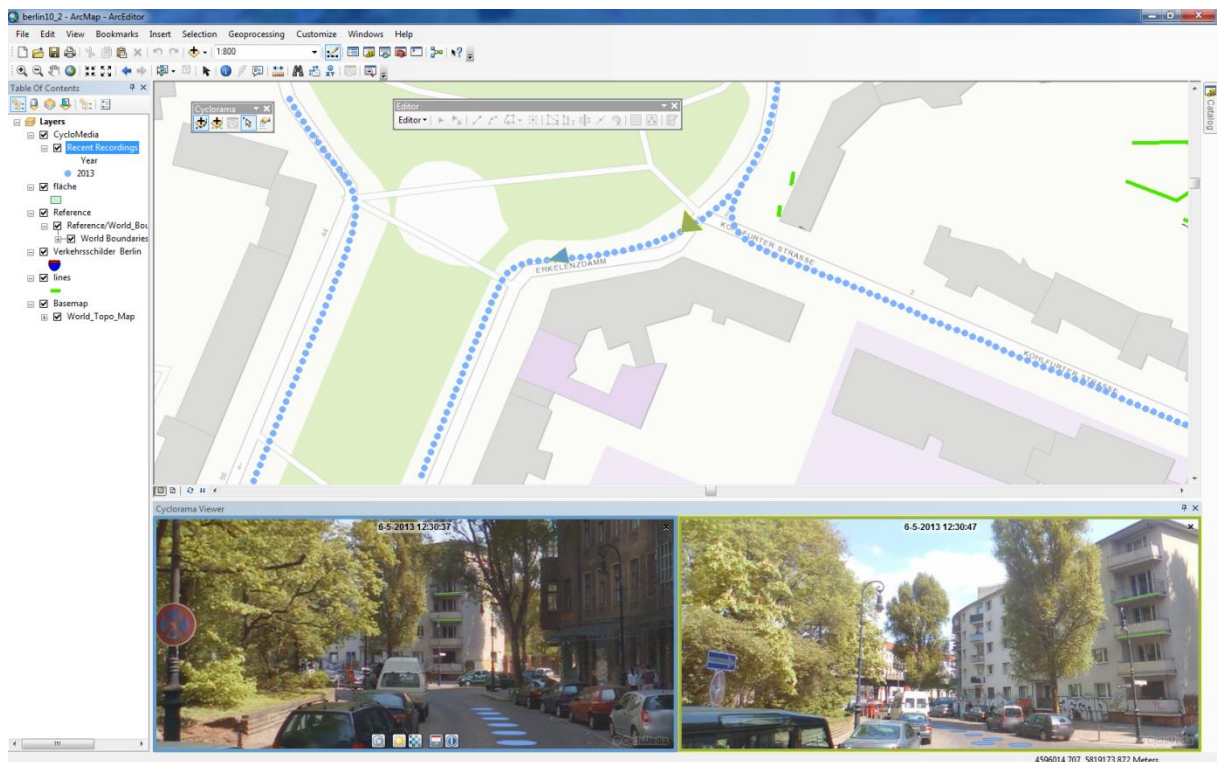


Figure 4: Arcmap with 2 open cycloramas

- 6) Click on another dot and a second corresponding cyclorama opens (Figure 10).
- 7) Click on CycloMedia Options – Cyclorama viewer and the ‘Max viewers’ option is the option for the max number of viewers which can be opened (Figure 11).

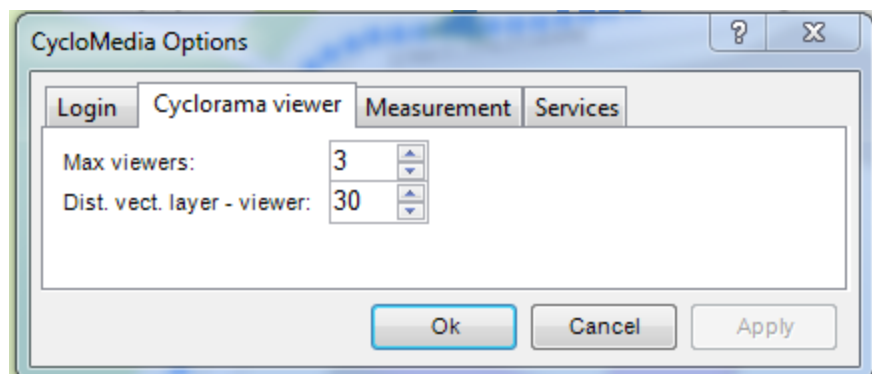


Figure 5: Max viewers option

1.2 Show Vector data

1) Add vector data to the map (Points, lines or polygons), vector data can be like:

- Shape files
- ArcSDE
- Personal MDB
- File GDB

2) Open a cyclorama (Figure 12)

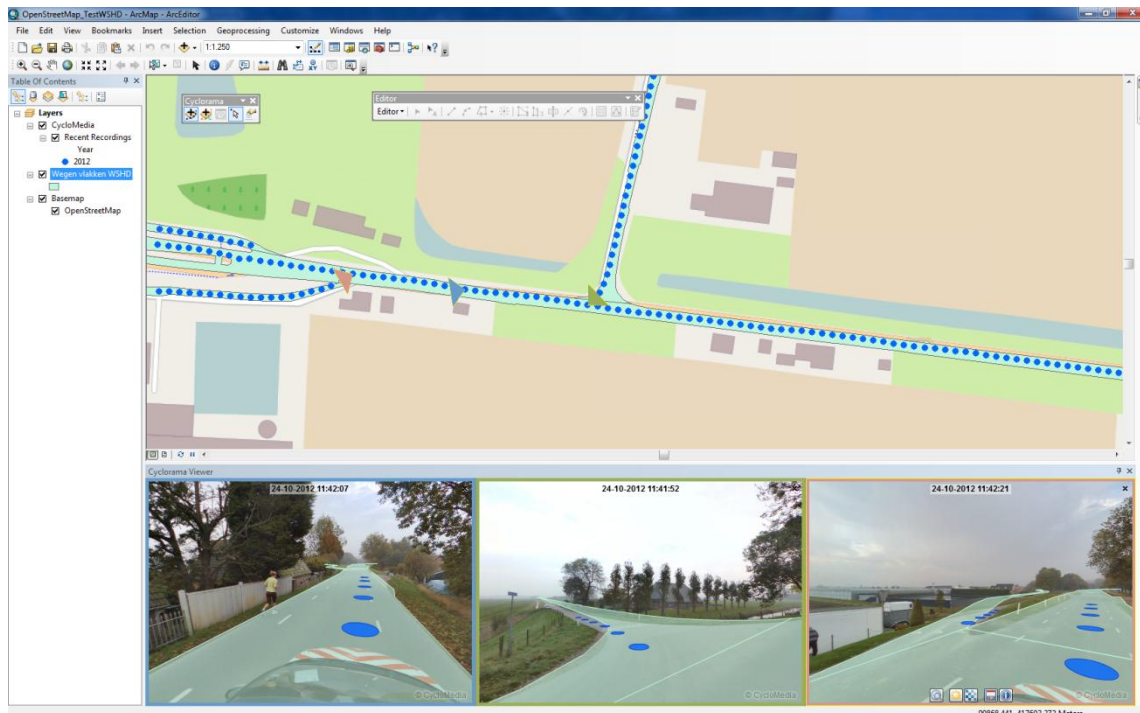


Figure 6: Show vector data

- 3) Right click on the vector layer and the feature layer context menu appears (Figure 13)
- 4) With The 'Show in Cyclorama' button, the vector layer in the cyclorama can be turned on and off.
- 5) The distance around the images which the vector layer data is included in the cyclorama can be set in the CycloMedia Options – Cyclorama viewer menu (Dist vect layer – viewer) (Figure 11). The default distance is 30 meters.

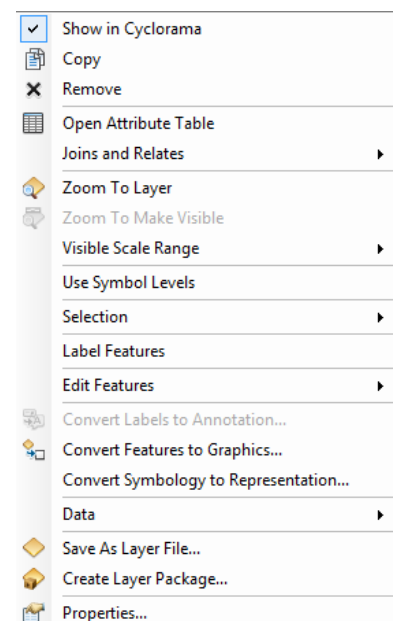


Figure 7: feature layer context menu

1.3 Measurement

Measurements are stored in vector data layers. Point, line or surface measurements are stored in point, line or polygon vector data layers.

- 1) Add a vector data layer to the map where you want to add the measurement.
- 2) Select whether you want to do a smart click measurement. CycloMedia Options – Measurement menu. (Figure 14)

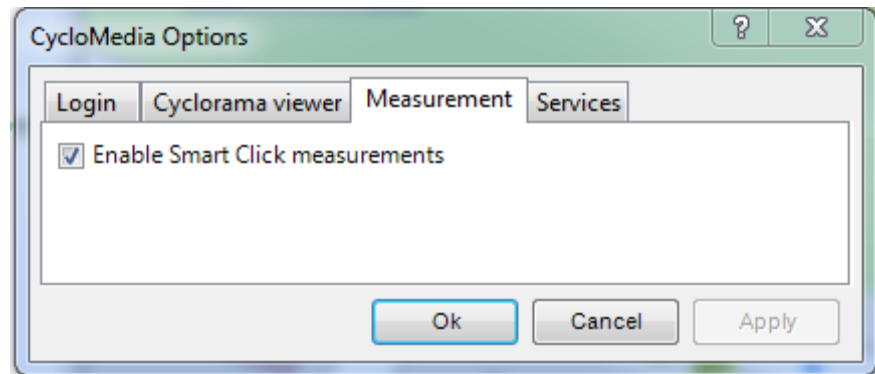


Figure 8: Select smart click measurement

- 3) Right click on the vector layer and select: 'Edit Features -> Start Editing' (Figure 15)

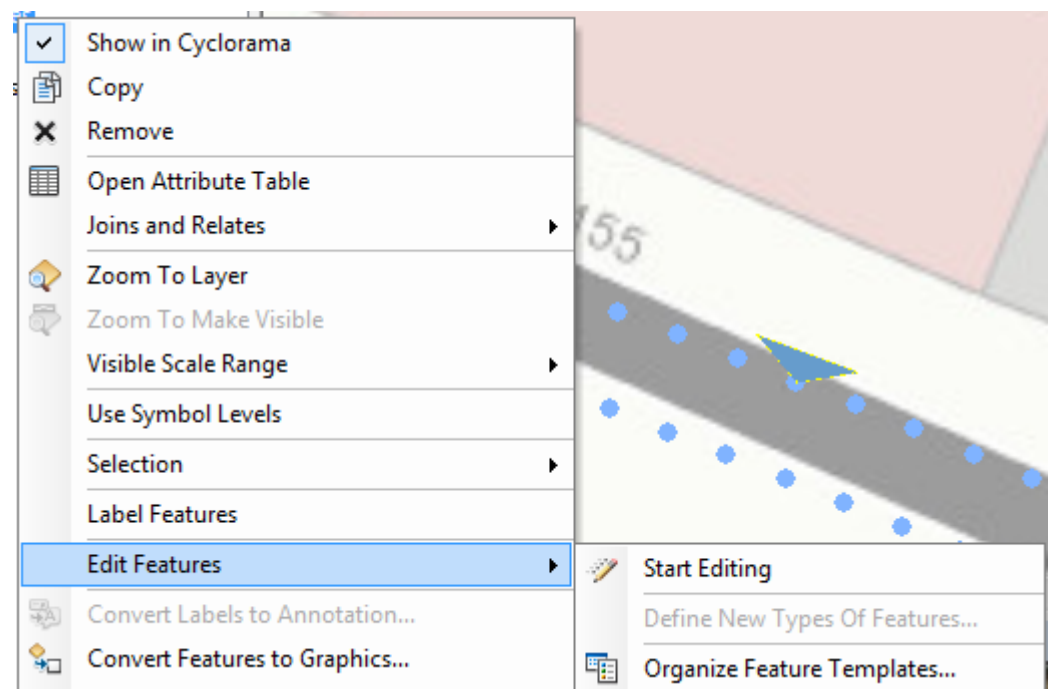


Figure 9: Edit features

- 4) Select a feature to start a measurement. (Figure 16)

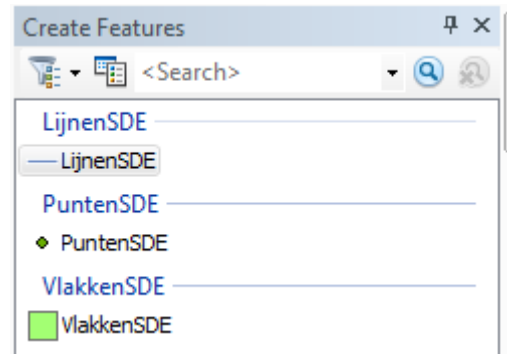


Figure 10: Create Features

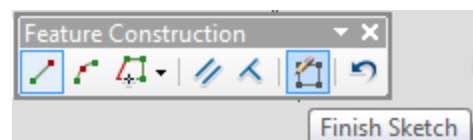
- 5) Select the first point of your measurement. If you use smart click measurement, 1 point in an image is enough, otherwise the point will be selected in two different images.
- 6) In case of smart click, you get the images found in the other images. (Figure 17)



Figure 11: smart click measurement

- 7) Check the results found, edit or remove error results, or add new observation points.
- 8) If the observation points found are good, then the measurement point can be added by clicking the check mark.
- 9) Click on the "finish sketch" button on the "Feature Construction" menu to close the measurement. (Figure 18)

Figure 12: Feature Construction menu



- 10) Select the 'Edit tool' button in the editor menu and a measurement can now be selected for importing into a cyclorama. (Figure 19)

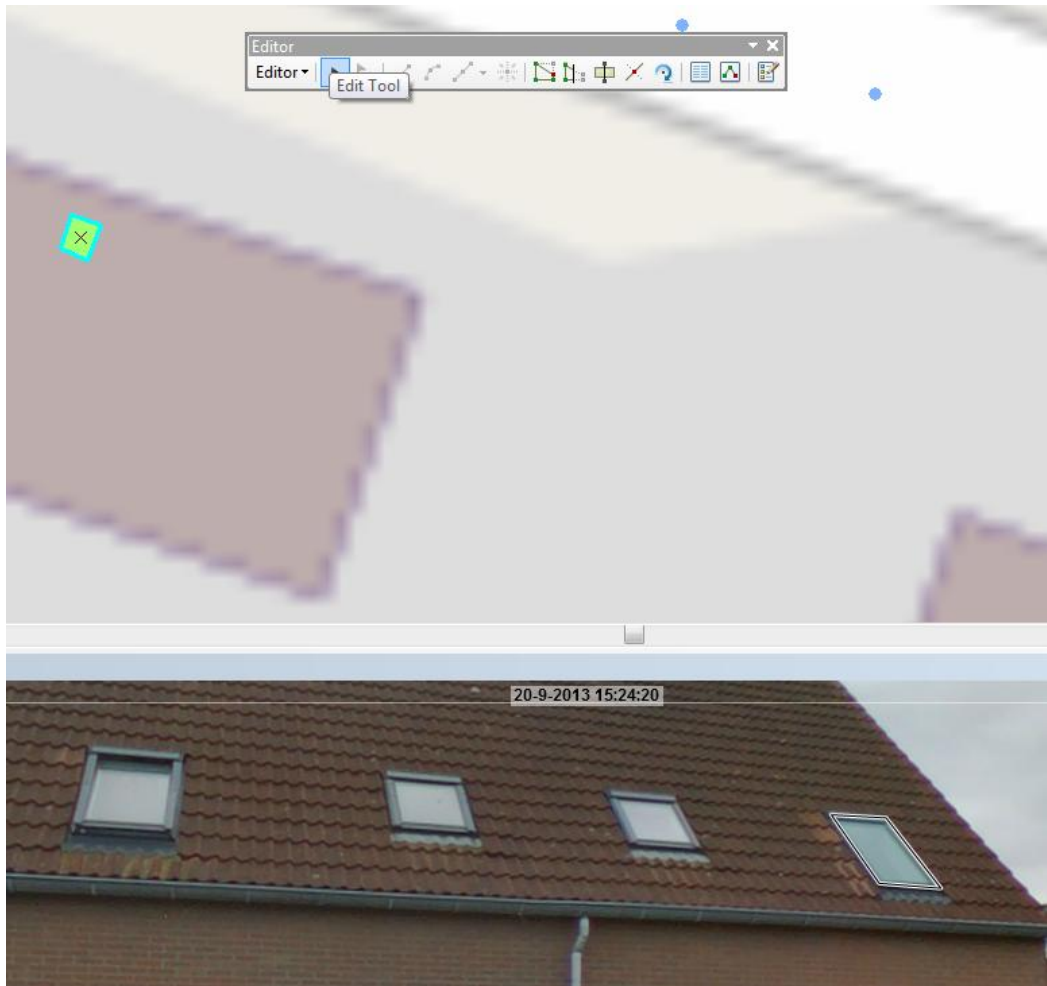


Figure 13: Editor menu

- 11) Select a feature and the Measurement is placed back in the cyclorama. (Figure 20)

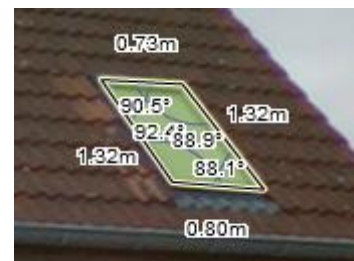


Figure 14: Measurement in cyclorama

- 12) Click on the feature and on the right mouse button and select in the menu 'Edit Vertices' to edit the measurement in the cyclorama. (Figure 21)

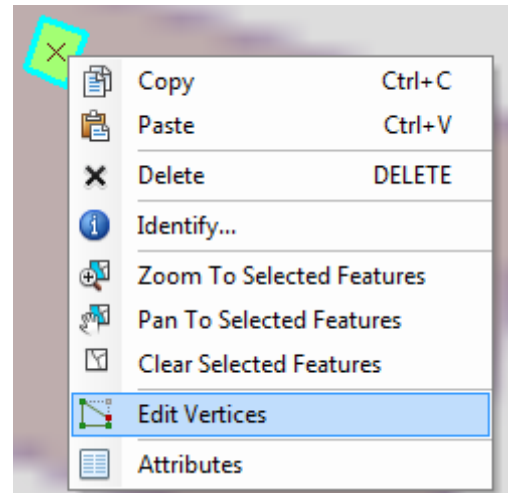


Figure 15: Select Edit Vertices

13) It is now possible to edit the measurement in the cyclorama or in the map.

14) If you want to edit a measurement point in the cyclorama, select that point in the map.

15) Click in the 'Editor' menu on the 'Sketch Properties' button for view the values of the measurement points. (Figure 22)



Figure 16: Editor menu - Sketch properties

16) You can change the measurement values by selecting a point. The M value is the reference to the number of that point in the cyclorama . (Figure 23)

Edit Sketch Properties					
	#	X	Y	Z	M
<input type="checkbox"/>	0	185079,645	577029,552	4,879	1,000
<input type="checkbox"/>	1	185078,970	577029,825	4,891	2,000
<input checked="" type="checkbox"/>	2	185079,238	577030,676	3,925	3,000
<input type="checkbox"/>	3	185079,989	577030,412	3,936	4,000

Figure 17: Edit Sketch properties