



Photogram Online Client

Manual
version 1.3.0

The screenshot displays the 'Survey - Demo3' interface. On the left is a navigation menu with options: Survey, Data table, Preferences, and Manual. The main area is split into three panels: a top-left street view with a red rectangle overlaid on a garage door, a bottom-left street view with a green rectangle overlaid on a car, and a right-side aerial map view. A 'Result' pop-up window is open over the aerial map, showing the following data:

Result	
Area	14.524 m ²
Label	Garage door
DELETE COPY SAVE	

A legend in the bottom right of the aerial map view identifies symbols: Streetview (blue dot), Streetview cluster (black dot), Current result (orange dashed circle), Saved result (purple solid circle), and Saved result cluster (white solid circle). At the bottom of the interface, there is a copyright notice: 'Tiles © Esri — Source: Esri, i-cubed, USDA, USGS, AEX, GeoEye, Getmapping, Aerogrid, IGN, IGP, UPR-EGP, and the GIS User Community'.

Table of Content

Workflows	3
Work with already geo-referenced assets	4
Start a Survey to Geo-reference assets	7
Survey	7
Collecting data	8
Save	10
Edit	10
Delete	10
Data table	10
View	11
Delete	11
Download	12
Preferences	12
Account	13
Support	14
Consulting	14

Workflows

Photogram Online supports two very different workflows.

Work with already geo-referenced assets

This starts with opening Photogram Online by a URL.

Let's assume you already have Latitude and Longitude coordinates for at least some of your assets. You like to check them, and adjust if needed.

Most likely then to geo-reference additional assets.

For this you somehow need to generate a URL for your existing assets.

Then to open them in Photogram Online.

A working example:

<https://s3.amazonaws.com/aplsv-new/po-links.html>

This can be done with programs as simple as Excel.

With the links you can open either the **Survey** view or the **Streetview** view.

Survey view:

http://po-links.applied-streetview.com:12045/2b94a2ca-63eb-47ec-adc0-f3ea7e120a72/photogram/survey/?v_label=Applied%20Streetview%20Headquarter&v_ing=8.65112470509&v_lat=50.00117589568&v_alt=129

Streetview view

http://po-links.applied-streetview.com:12045/2b94a2ca-63eb-47ec-adc0-f3ea7e120a72/player/?v_label=Applied%20Streetview%20Headquarter&v_ing=8.65112470509&v_lat=50.00117589568&v_alt=129

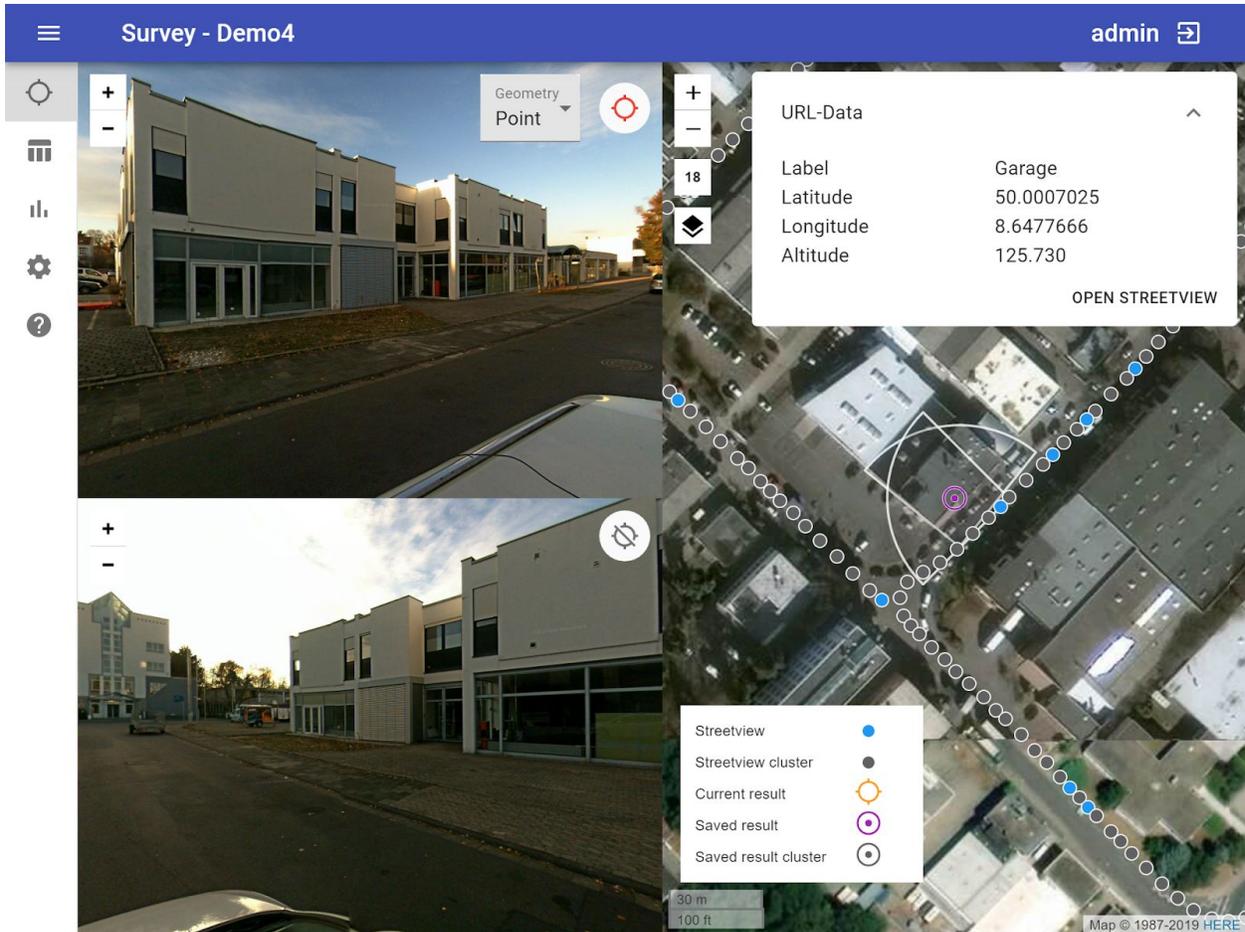
To do this open a project in the browser and append the predefined query string parameters to the URL, for example:

?v_lat=50.00070251&v_ing=8.64776659&v_alt=125.72959744732&v_label=Garage

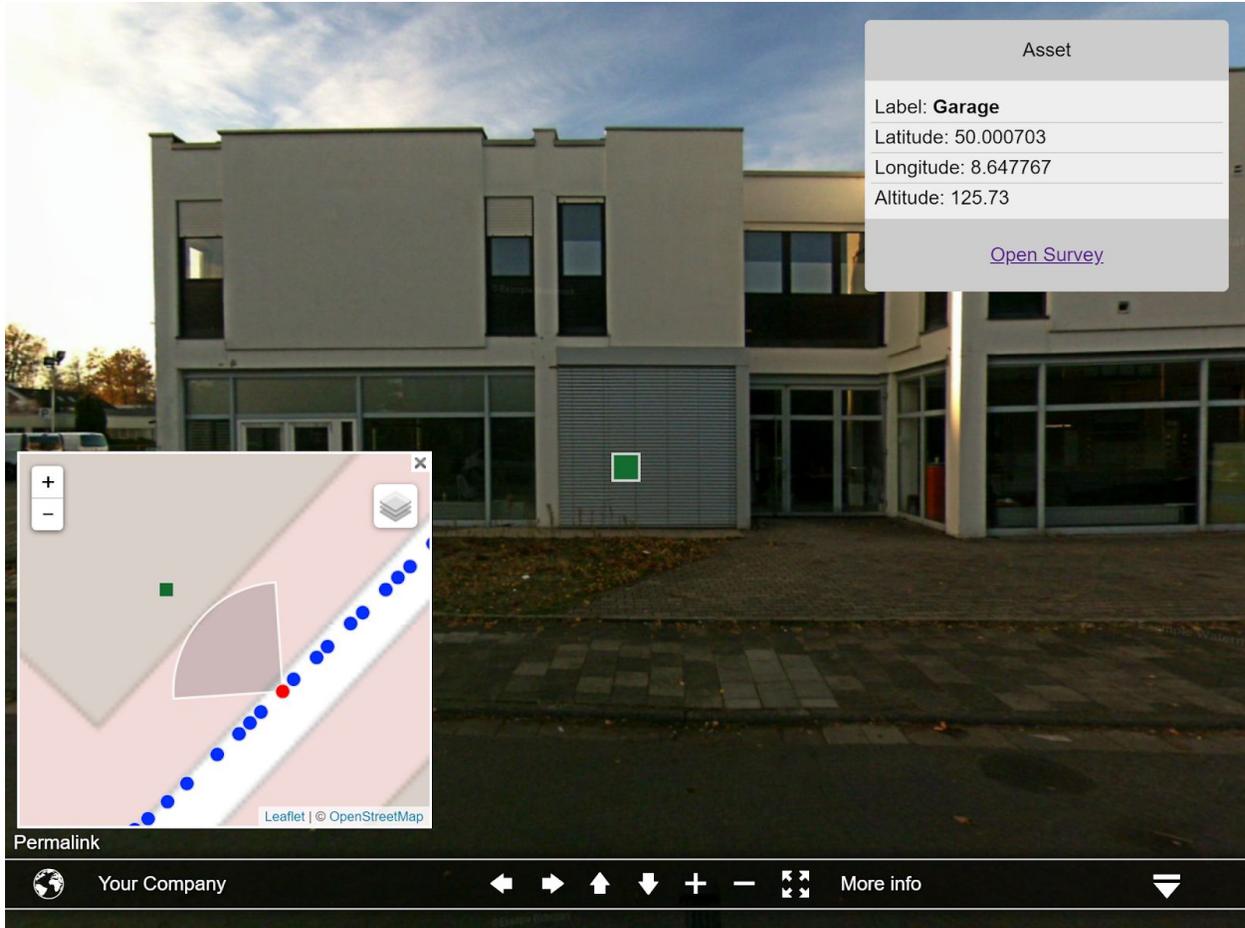
The full URL will look something like this:

http://192.168.1.1:12045/bd41b9aa-0424-4b6b-98f5-1ccb3d856e69/photogram/survey/?v_lat=50.00070251&v_ing=8.64776659&v_alt=125.72959744732&v_label=Garage

and would open the following view:

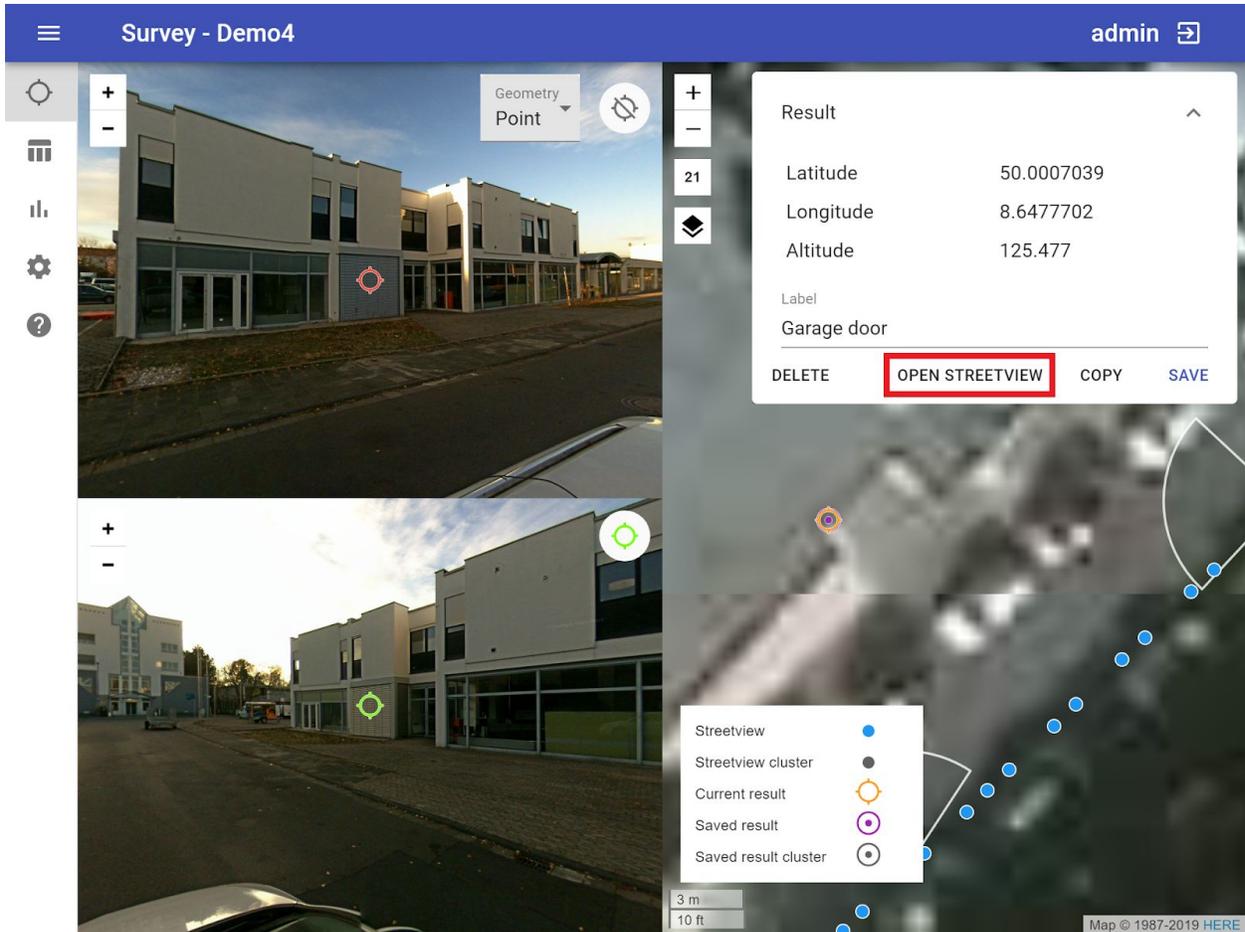


The data provided in the URL will be displayed in a the **URI-Data** panel located in the top right of the Map section. Click on the **Open Streetview** button to preview this location in the Player.



Click on **Open Survey** to return to the Survey looking at your asset.

It's possible to preview any measurement result by clicking **Open Streetview**.



Start a Survey to Geo-reference assets

Survey

By default the map loads all the streetviews from the project and zooms to their extent. Each streetview on the map is represented by a blue icon ●. When there are multiple streetviews at the same place they are clustered and represented by a grey icon ●.

To change the map base layer click on the  button, this will open the **Base layer** with a list of providers to choose from. Pick a provider for a map or aerial images and then click **OK**.

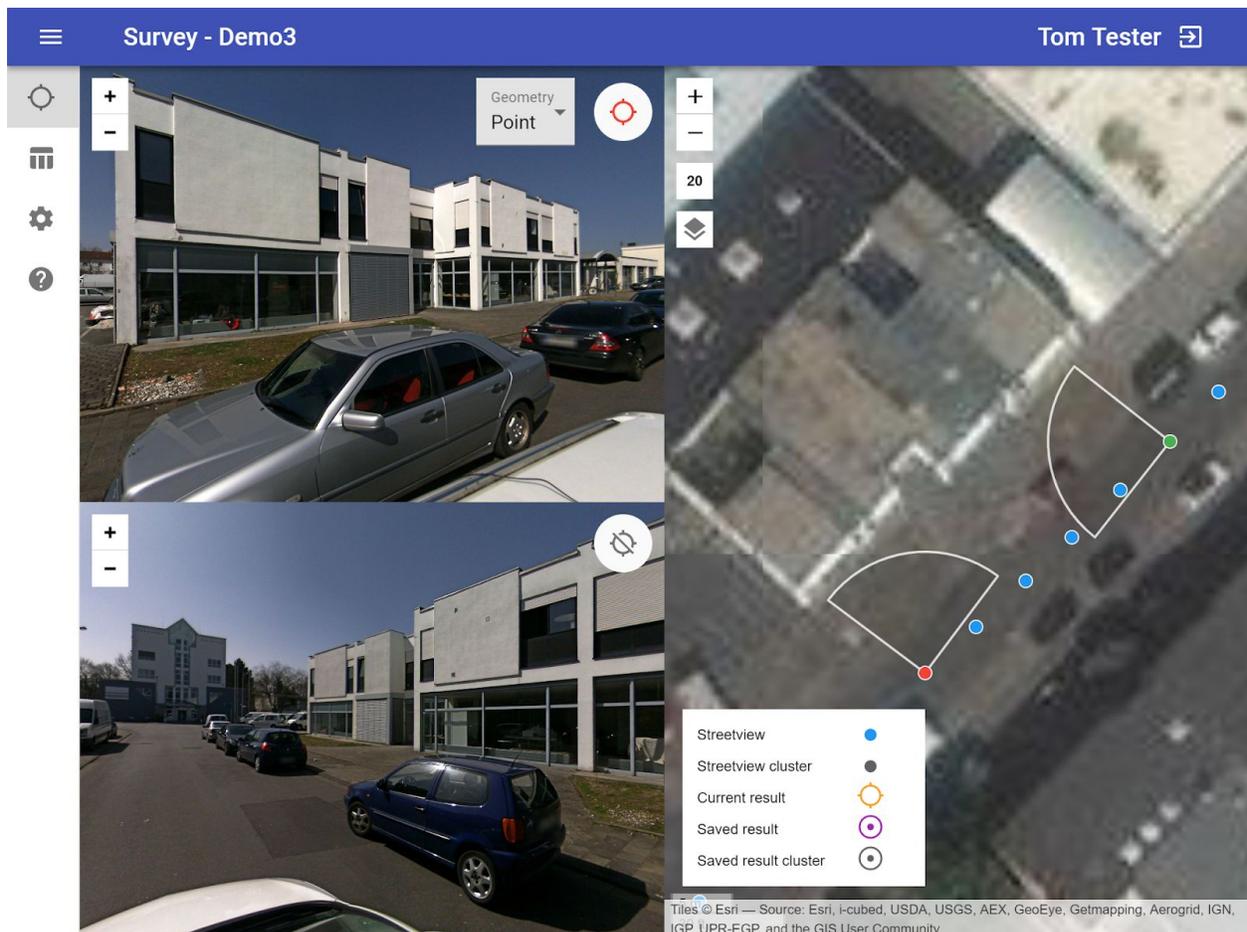
To set your own custom base layer click the  button next to **Your Company's map tiles**. Here you can enter your Label, URL and attribution.

The URL is for TMS-style tile server.

Example: <https://tiles.yourcompany.com/{z}/{x}/{y}.png>

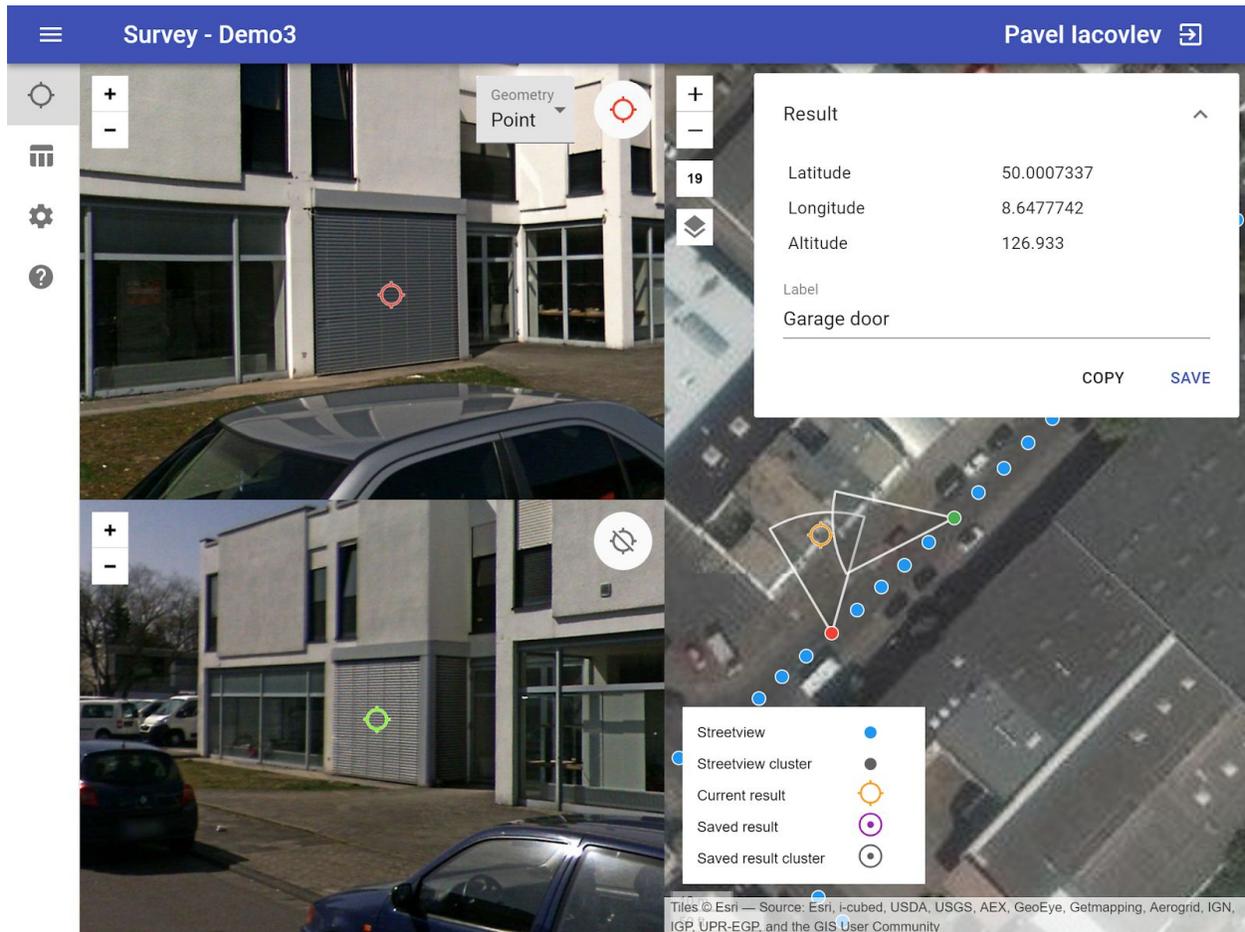
Collecting data

Using the map decide what needs to be measured. For example, let's try to collect data about the garage door of a building. Click on the map on the approximate location of the building.



Ideally the object should be visible in the center of both top and bottom streetviews right after the map click. Photogram automatically picks two streetviews with an optimal 90 degree angle between the two streetviews.

Next is to identify the measured object on both top and bottom streetviews and **double click** on it in the streetview panels.



The measured point can be moved by dragging.

By default **Geometry** (top right of the streetview panel) is set to **Point**. Set it to **Line** or **Rectangle** to measure lengths or areas. To add additional points (2 for Line and 4 for Rectangle) double click on the measured object in the streetview panel.

IMPORTANT: The creation order of the measured points must be identical for both top and bottom streetview. Creating the points in a clockwise sequence is recommended.

Notice that the result position is displayed on the map as the  icon, this is automatically updated if you move any measured point.

Save

After the measured points are placed the **Result panel** should appear in the top right corner of the map panel.

The panel contains point coordinates:

Geometry for a point,

length for line

area for a rectangle.

Specify a label, in this case it's "Garage door" and then click the **Save button**.

This action adds the result into the server database, and places the result on the map with the following icon .

You could also copy the result into the clipboard by clicking on the **Copy button**.

Edit

Click on a previously saved result using its icon  on the map. Adjust the measured object position in the top and bottom streetviews panel or the Label in the **Result panel**. Click the **Save** button.

Delete

Click on a previously saved result using its icon  on the map. Click the **Delete** button in the **Result panel**.

Data table

In the left menu click on the **Data table** menu item.

Photogram < **Data table - Demo3** Tom Tester ↗

- Survey
- Data table**
- Preferences
- Manual

[DOWNLOAD](#)

<input type="checkbox"/>	Label	Result	Geometry	Date ↓
<input type="checkbox"/>	<input checked="" type="radio"/> Object 1	14.524 m ²	Rectangle	2018-11-26 13:31:03
<input type="checkbox"/>	<input checked="" type="radio"/> Garage door	50.0007337, 8.6477738, 126.830	Point	2018-11-26 13:29:38
<input type="checkbox"/>	<input checked="" type="radio"/> Object 2	4.430 m	Line	2018-11-26 13:25:41

Rows per page 10 ▼ 1-3 of 3 < >

A list of all the collected results will appear. The list is paginated, you can change the current page and the amount of results per page in the bottom right side of the table.

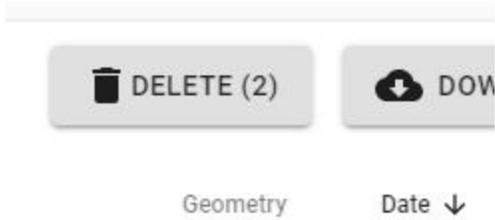
Table contains information like Label, Result, Geometry and Date.

View

Click on the icon to view the result on the **Survey** page.

Delete

Select one or multiple results by clicking on the checkbox.

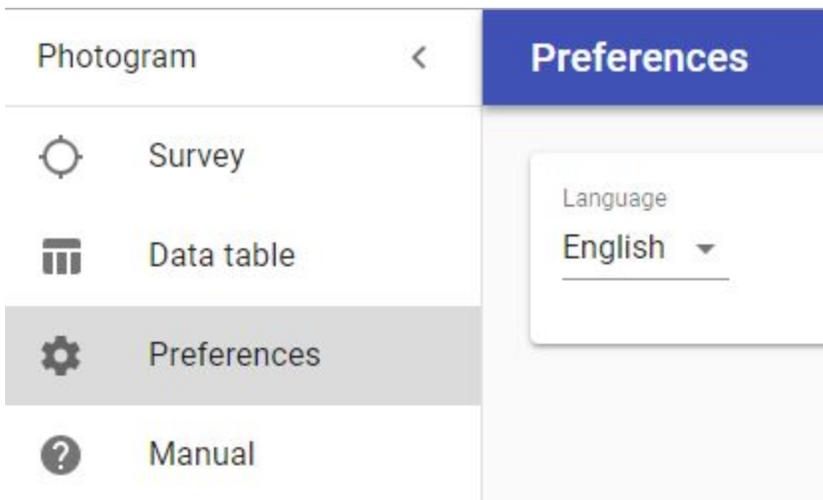


A **Delete button** will appear in the top right corner of the table. Click on the **Delete button** to remove the selected results.

Download

Click on the **Download button** in the top right corner of the table to download all the results in the [GeoJSON](#) format. This file can be used with ArcGIS and QGIS.

Preferences



Language

Change the current language

Account



Current logged in user first name last name as well as the logout button are displayed in the top right corner of the browser window.

Support

Please update first.

Support is provided for the newest Photogram program only.

Maybe your problem has already been solved?

Check

<http://www.applied-streetview.com/products/programs/photogram-online/>

for a new release.

Contact

Support is available in English language.

Helpdesk: support.applied-streetview.com

E-Mail: support@applied-streetview.com

Skype ID: applied-streetview

Phone: +49 6103 - 372 7494

Consulting

We are available for hire for consulting.

Please contact:

E-Mail: jan.martin@applied-streetview.com

Skype ID: applied-streetview

Phone: +49 6103 - 372 7494