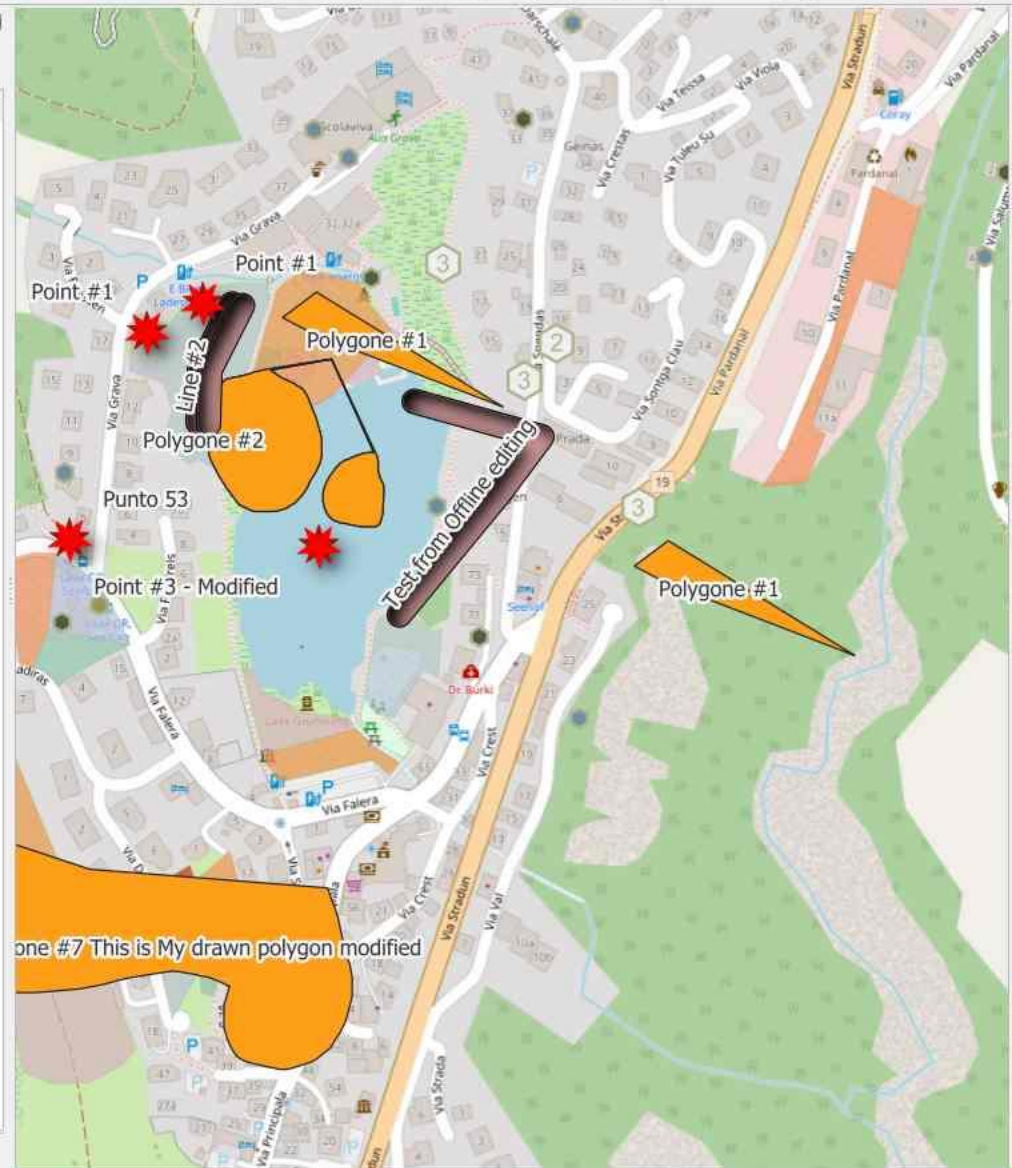




**Layers**

- point [6]
- Lines [3]
- Polygons [7]
- Apiary [40]
  - European honey bee [7]
  - Buckfast bee [13]
  - Carniolan honey bee [20]
- Fields [18]
  - Colza [1]
  - Grass [6]
  - Lavender [4]
  - Dandelions [5]
  - Weed [2]
- Basemap
  - Online OpenStreetMap
  - Offline local osm
    - lines
    - buildings
    - landscape
- Tables
  - Apiary\_Reviews [13]
  - Pollen\_Consumption [8]

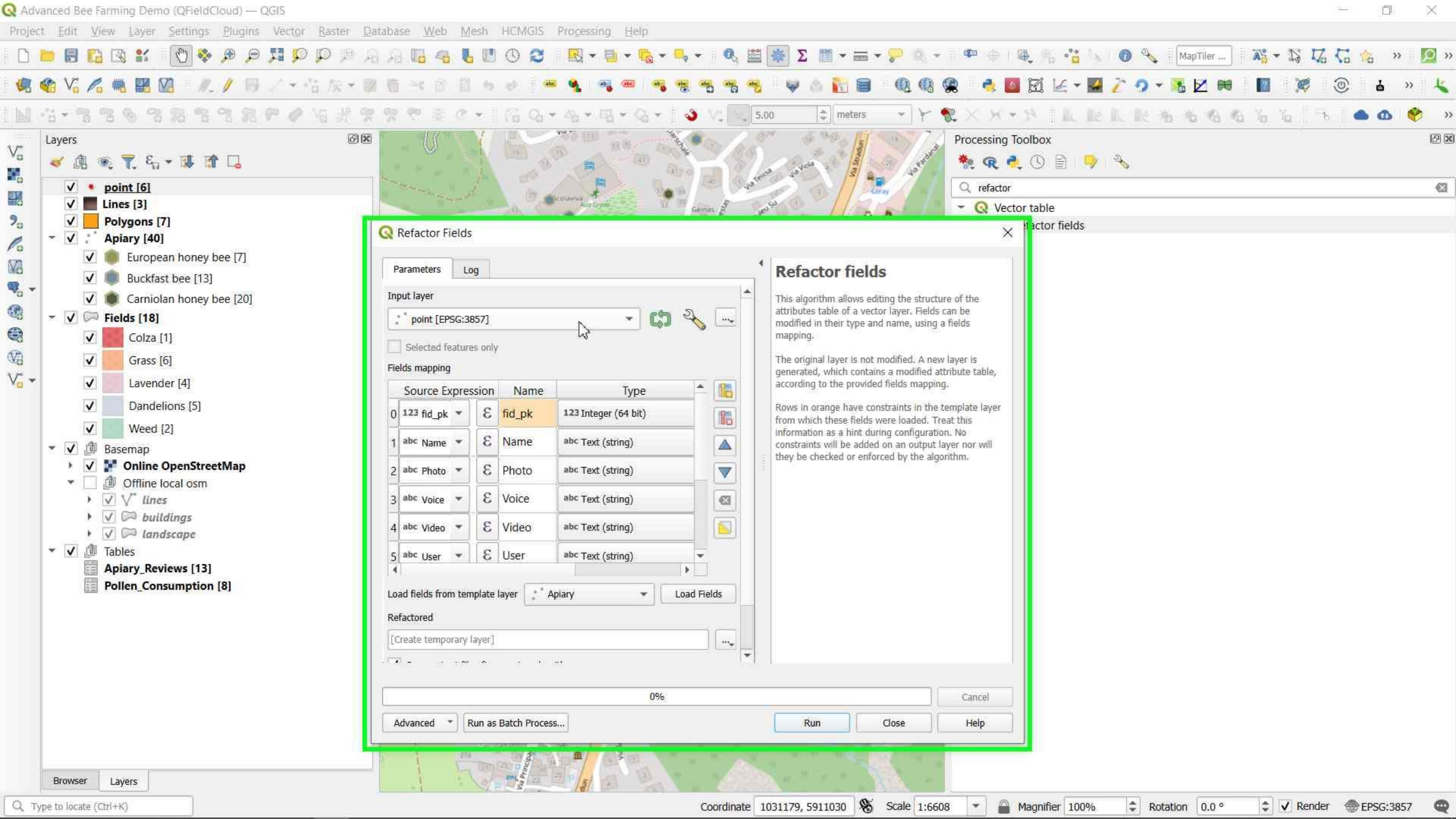


**Processing Toolbox**

refactor

- Vector table
  - Refactor fields

Coordinate: 1031179, 5911030 | Scale: 1:6608 | Magnifier: 100% | Rotation: 0.0° | Render | EPSG:3857



### Refactor Fields

Parameters Log

#### Input layer

point [EPSG:3857]

Selected features only

#### Fields mapping

	Source Expression	Name	Type
0	123 fid_pk	fid_pk	123 Integer (64 bit)
1	abc Name	Name	abc Text (string)
2	abc Photo	Photo	abc Text (string)
3	abc Voice	Voice	abc Text (string)
4	abc Video	Video	abc Text (string)
5	abc User	User	abc Text (string)

Load fields from template layer: Apiary

#### Refactored

[Create temporary layer]

### Refactor fields

This algorithm allows editing the structure of the attributes table of a vector layer. Fields can be modified in their type and name, using a fields mapping.

The original layer is not modified. A new layer is generated, which contains a modified attribute table, according to the provided fields mapping.

Rows in orange have constraints in the template layer from which these fields were loaded. Treat this information as a hint during configuration. No constraints will be added on an output layer nor will they be checked or enforced by the algorithm.

0%

Cancel

Advanced

Run as Batch Process...

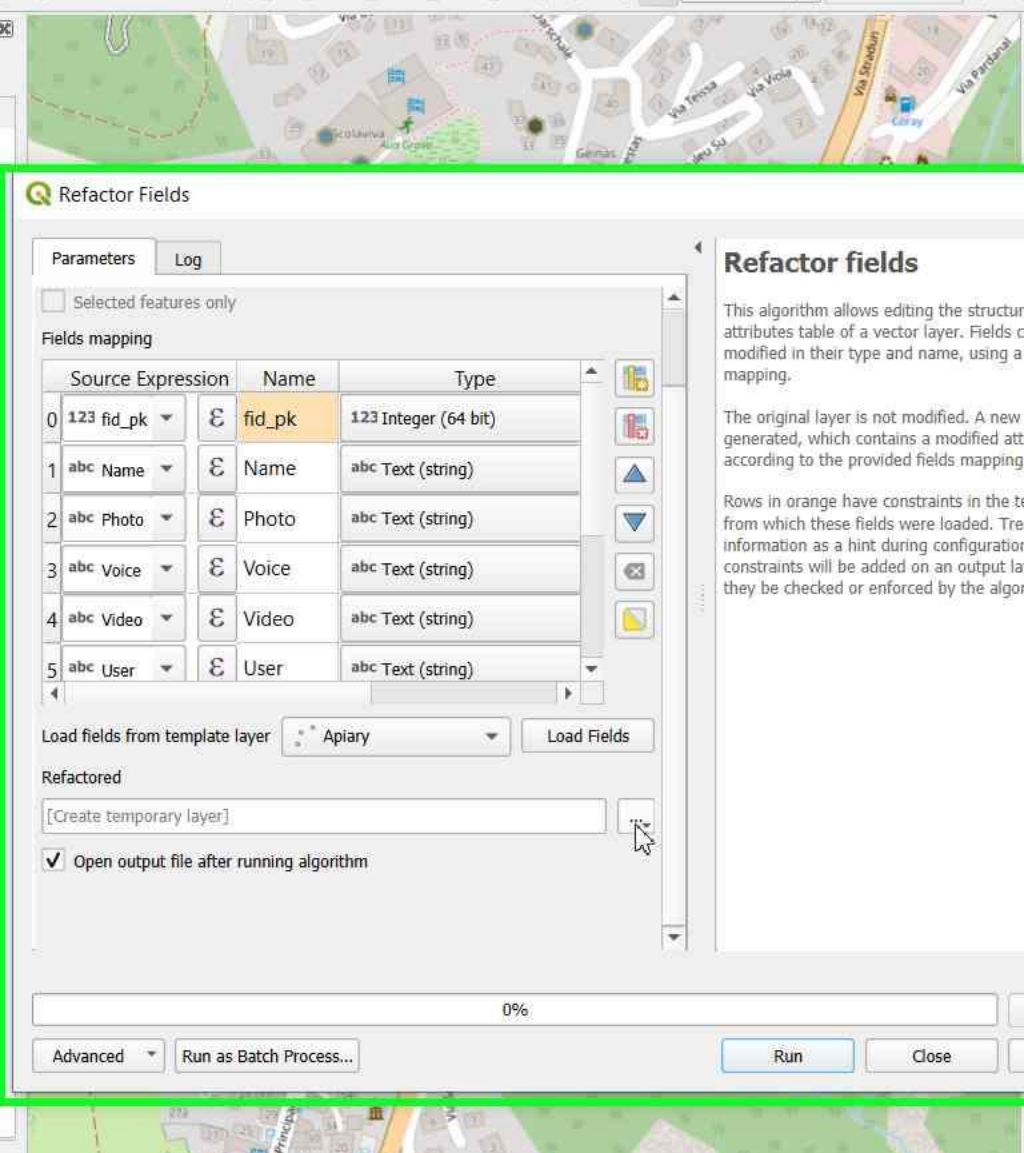
Run

Close

Help

Layers

- point [6]
- Lines [3]
- Polygons [7]
- Apiary [40]
  - European honey bee [7]
  - Buckfast bee [13]
  - Carniolan honey bee [20]
- Fields [18]
  - Colza [1]
  - Grass [6]
  - Lavender [4]
  - Dandelions [5]
  - Weed [2]
- Basemap
  - Online OpenStreetMap
  - Offline local osm
    - lines
    - buildings
    - landscape
- Tables
  - Apiary\_Reviews [13]
  - Pollen\_Consumption [8]



Processing Toolbox

refactor

Vector table

refactor fields

### Refactor Fields

Parameters Log

Selected features only

Fields mapping

	Source Expression	Name	Type
0	123 fid_pk	fid_pk	123 Integer (64 bit)
1	abc Name	Name	abc Text (string)
2	abc Photo	Photo	abc Text (string)
3	abc Voice	Voice	abc Text (string)
4	abc Video	Video	abc Text (string)
5	abc User	User	abc Text (string)

Load fields from template layer: Apiary Load Fields

Refactored: [Create temporary layer]

Open output file after running algorithm

0%

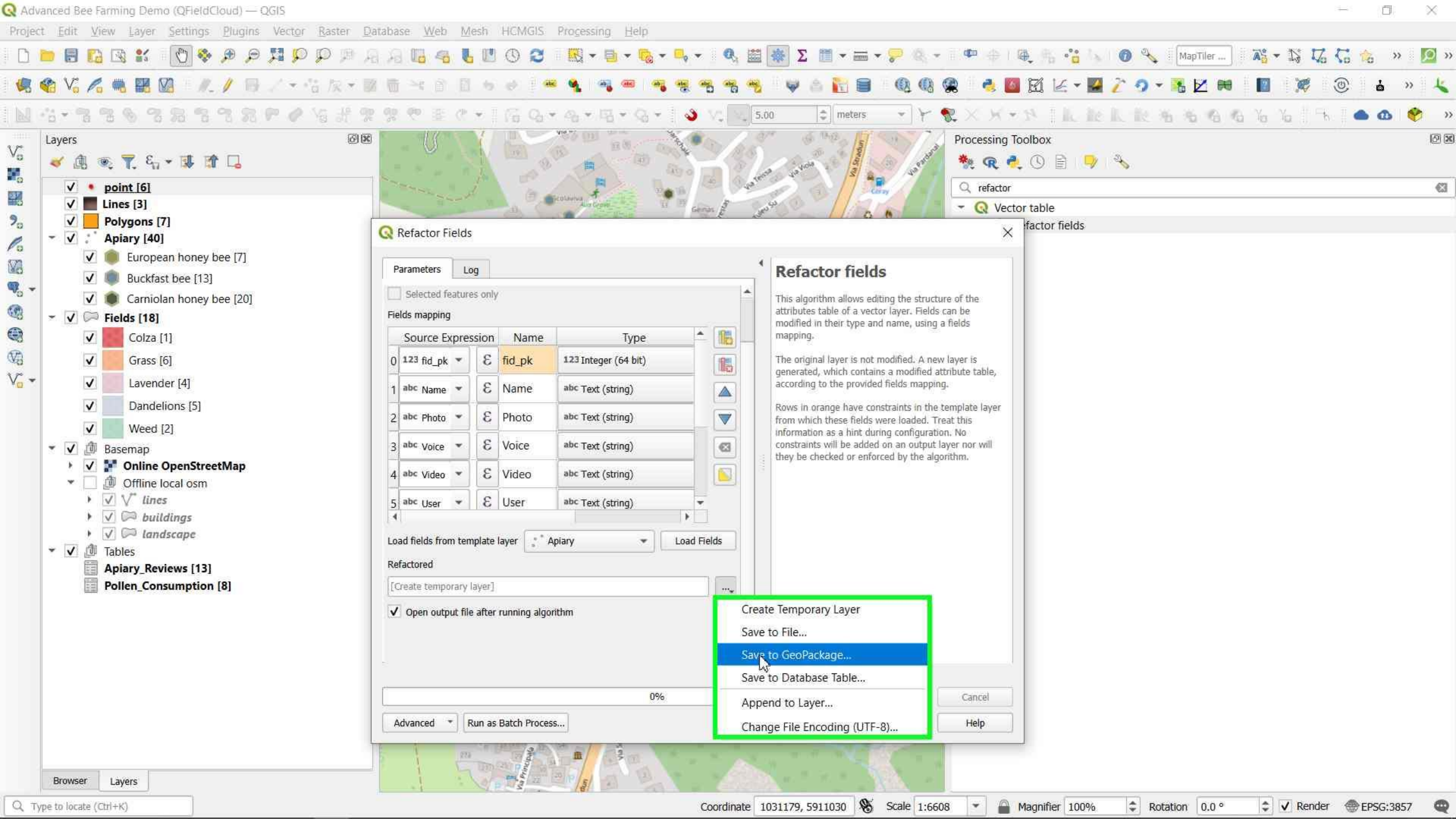
Advanced Run as Batch Process... Run Close Help

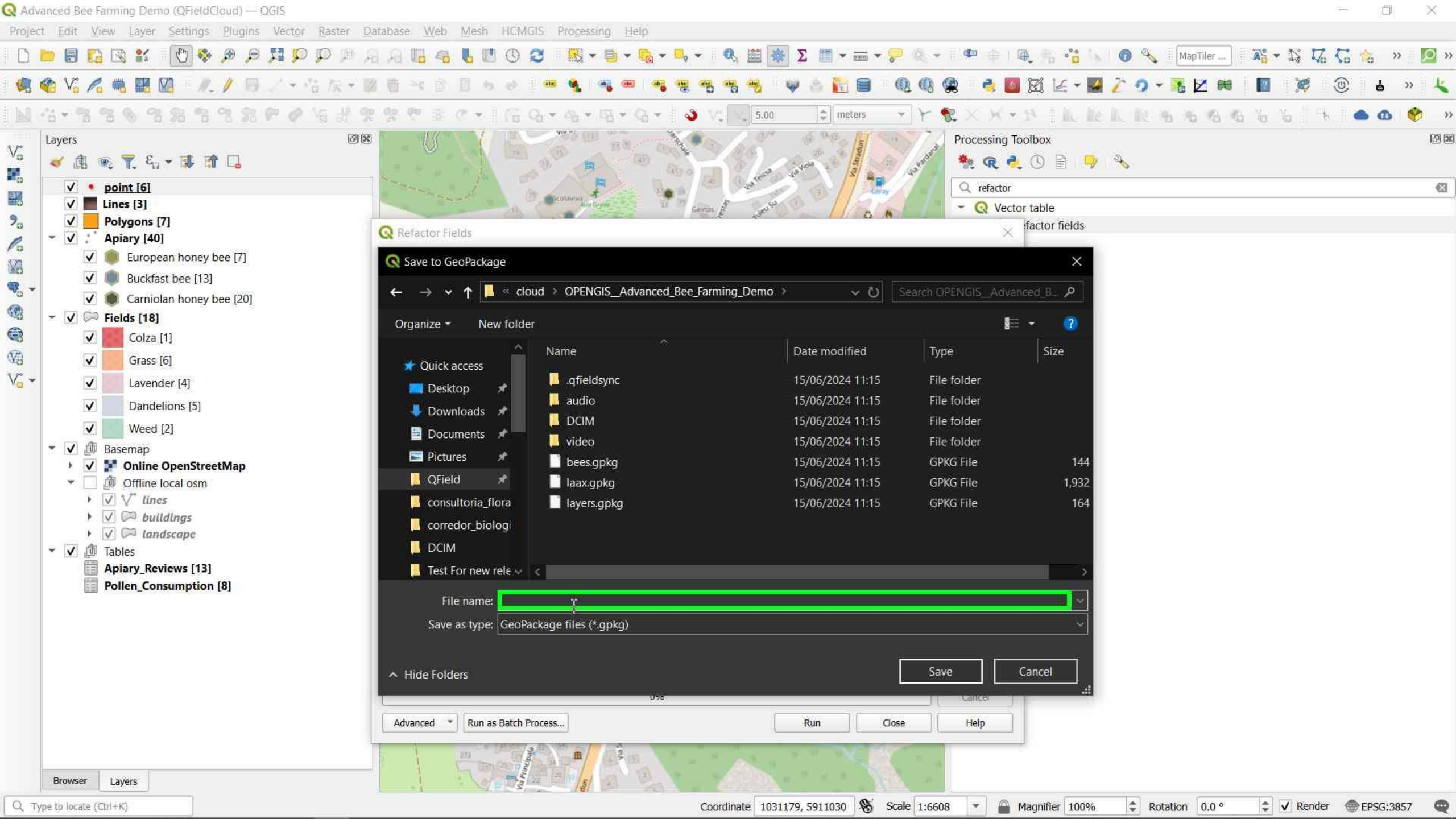
### Refactor fields

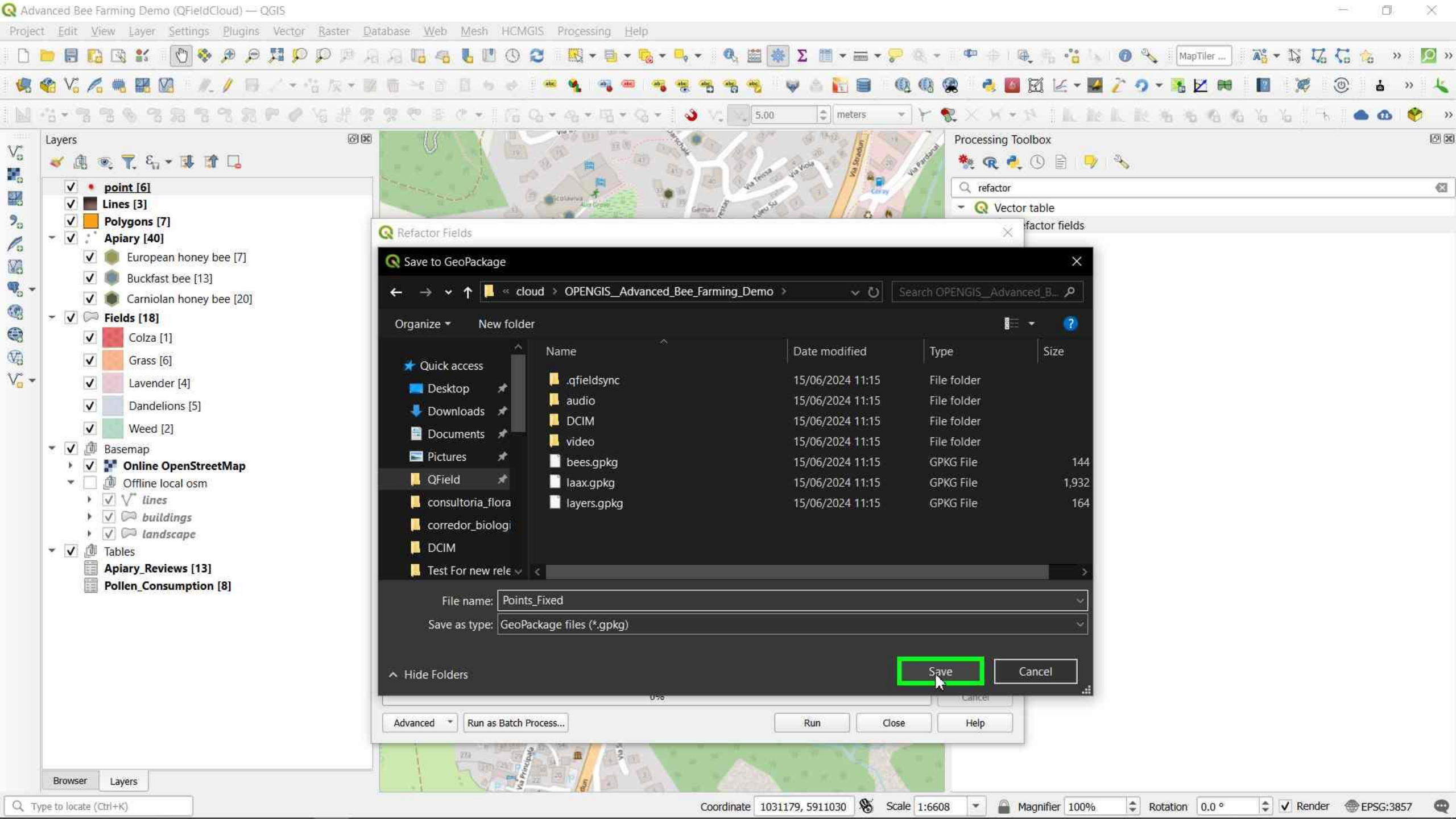
This algorithm allows editing the structure of the attributes table of a vector layer. Fields can be modified in their type and name, using a fields mapping.

The original layer is not modified. A new layer is generated, which contains a modified attribute table, according to the provided fields mapping.

Rows in orange have constraints in the template layer from which these fields were loaded. Treat this information as a hint during configuration. No constraints will be added on an output layer nor will they be checked or enforced by the algorithm.









Layers

- point [6]
- Lines [3]
- Polygons [7]
- Apiary [40]
  - European honey bee [7]
  - Buckfast bee [13]
  - Carniolan honey bee [20]
- Fields [18]
  - Colza [1]
  - Grass [6]
  - Lavender [4]
  - Dandelions [5]
  - Weed [2]
- Basemap
  - Online OpenStreetMap
  - Offline local osm
    - lines
    - buildings
    - landscape
- Tables
  - Apiary\_Reviews [13]
  - Pollen\_Consumption [8]



Processing Toolbox

refactor

Vector table

Refactor Fields

Parameters Log

Selected features only

Fields mapping

	Source Expression	Name	Type
0	123 fid_pk	fid_pk	123 Integer (64 bit)
1	abc Name	Name	abc Text (string)
2	abc Photo	Photo	abc Text (string)
3	abc Voice	Voice	abc Text (string)
4	abc Video	Video	abc Text (string)
5	abc User	User	abc Text (string)

Load fields from template layer: Apiary

Refactored: [Create temporary layer]

Open output file after running algorithm

0%

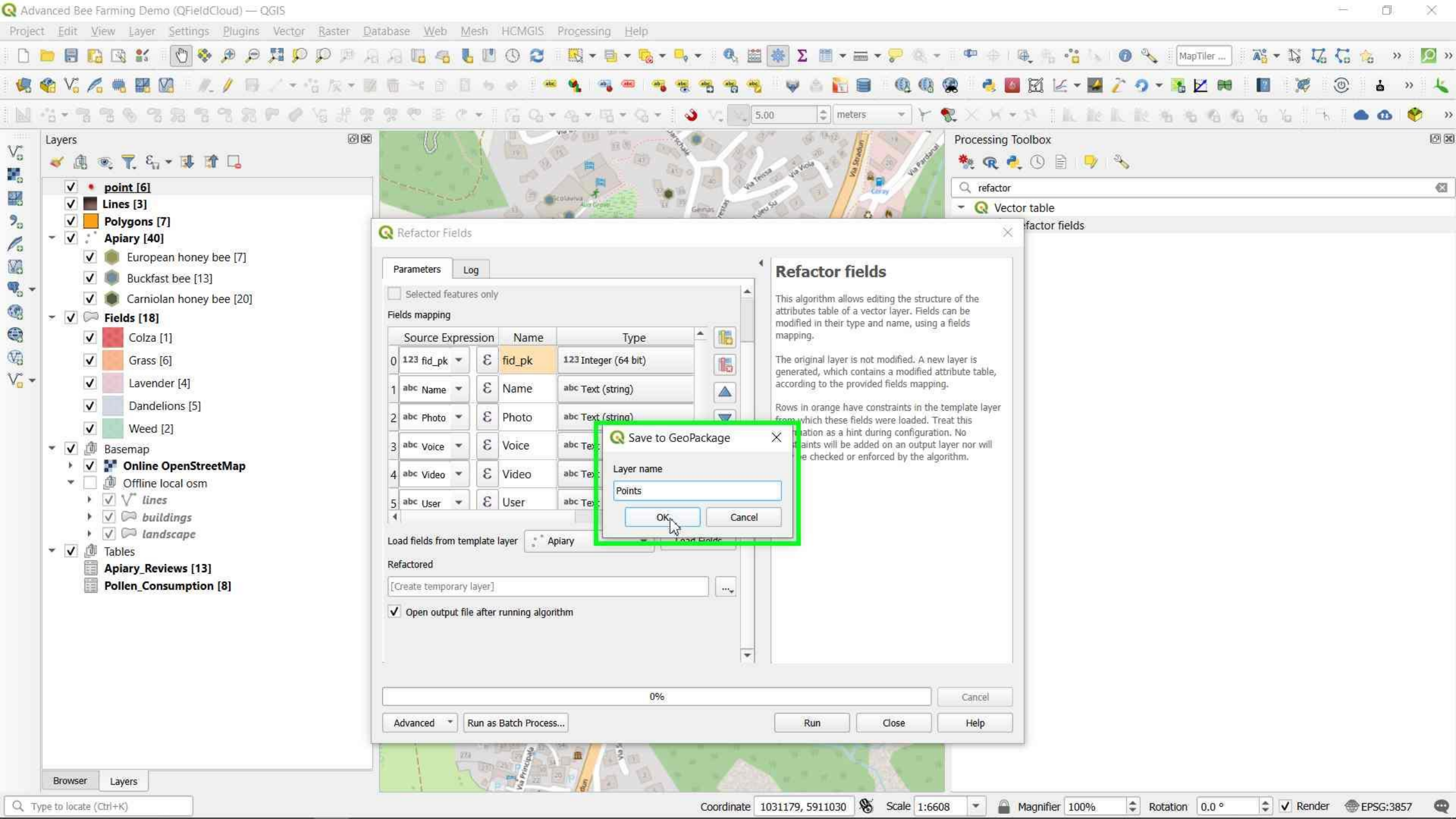
Advanced Run as Batch Process... Run Close Help

Save to GeoPackage

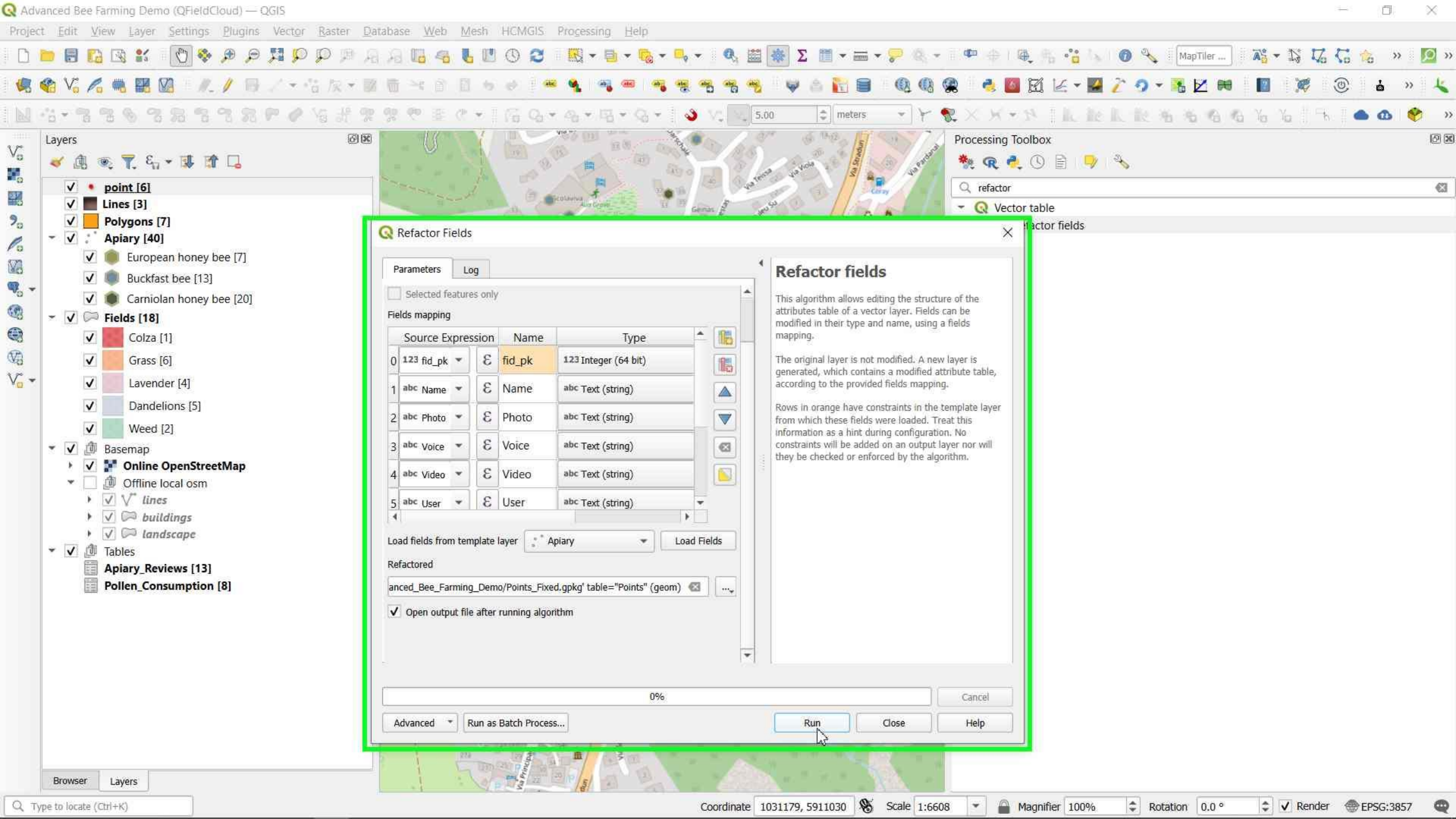
Layer name

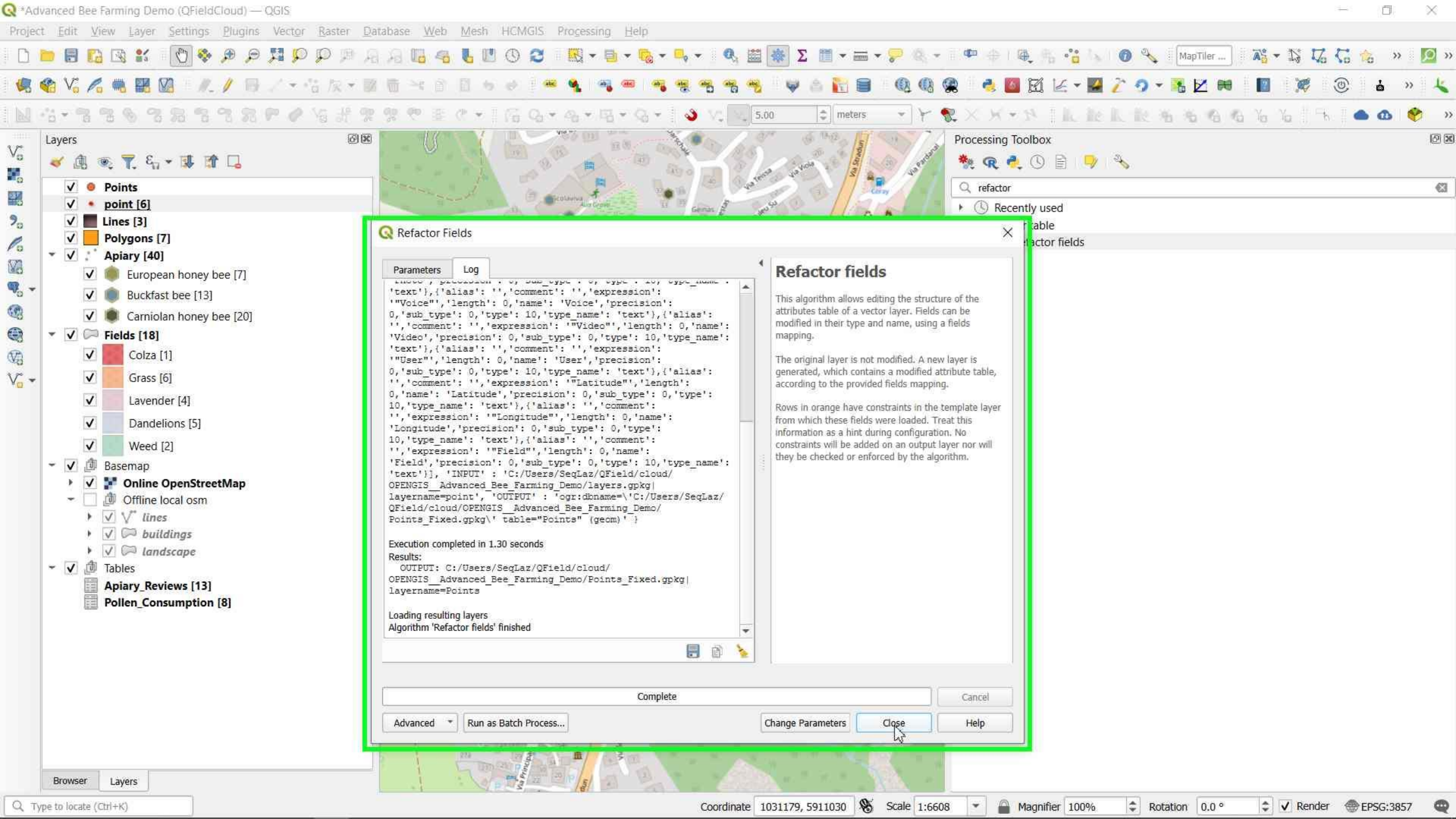
output

OK Cancel









### Refactor Fields

Parameters Log

```

INPUT: 'C:/Users/SeqLaz/QField/cloud/
OPENGIS_Advanced_Bee_Farming_Demo/layers.gpkg|
layername=point', 'OUTPUT': 'ogr:dbname='C:/Users/SeqLaz/
QField/cloud/OPENGIS_Advanced_Bee_Farming_Demo/
Points_Fixed.gpkg\ table="Points" (geom)''
  
```

Execution completed in 1.30 seconds  
 Results:  
 OUTPUT: C:/Users/SeqLaz/QField/cloud/  
 OPENGIS\_Advanced\_Bee\_Farming\_Demo/Points\_Fixed.gpkg|  
 layername=Points

Loading resulting layers  
 Algorithm 'Refactor fields' finished

Complete

Advanced Run as Batch Process... Change Parameters Close Help

### Refactor fields

This algorithm allows editing the structure of the attributes table of a vector layer. Fields can be modified in their type and name, using a fields mapping.

The original layer is not modified. A new layer is generated, which contains a modified attribute table, according to the provided fields mapping.

Rows in orange have constraints in the template layer from which these fields were loaded. Treat this information as a hint during configuration. No constraints will be added on an output layer nor will they be checked or enforced by the algorithm.

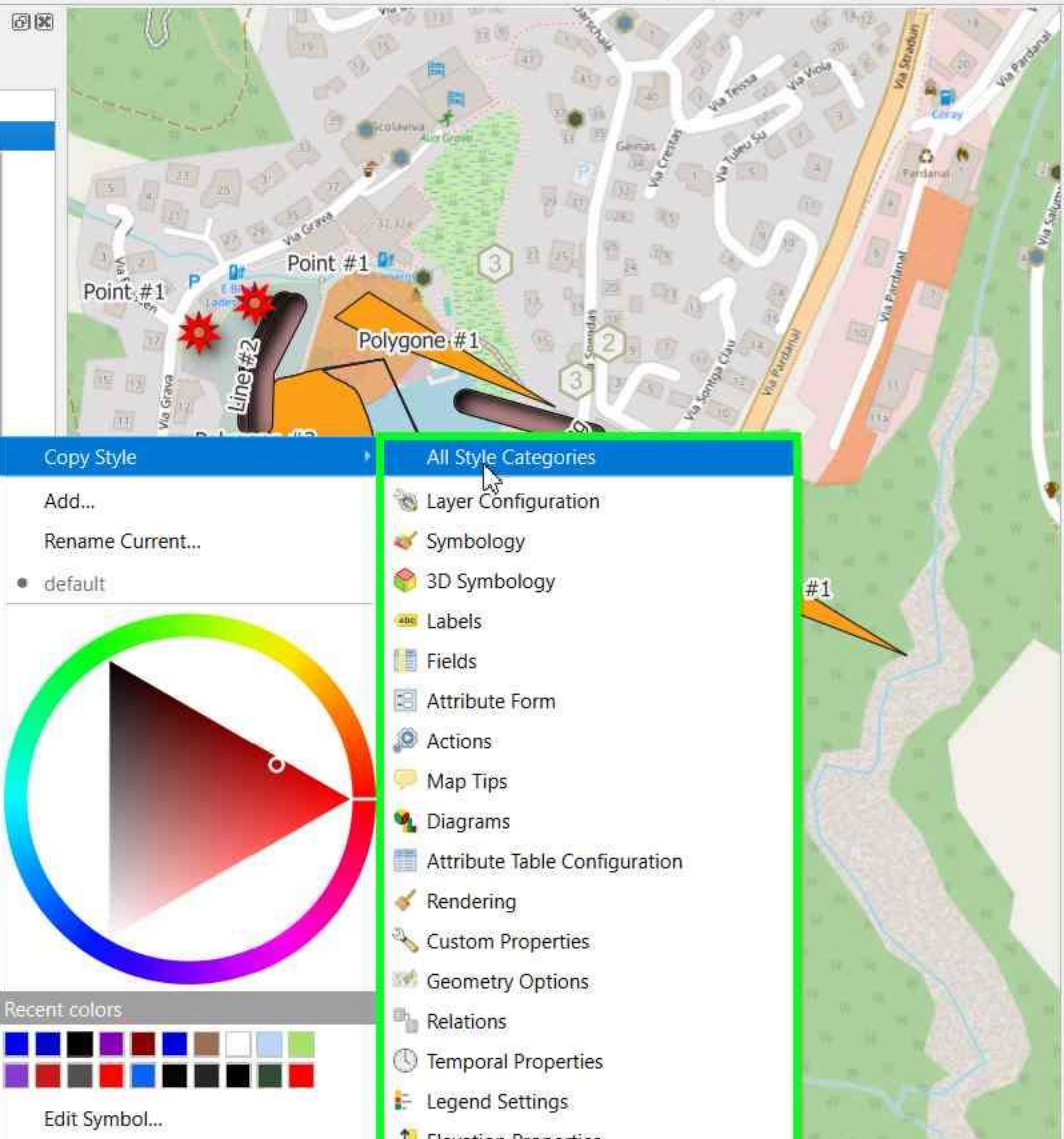


Layers

- Points
  - point (6)
- Line
  - Line #2
- Polygon
  - Polygone #1

Context menu for 'point (6)':

- Zoom to Layer(s)
- Zoom to Selection
- Show in Overview
- Show Feature Count
- Show Labels
- Copy Layer
- Rename Layer
- Duplicate Layer
- Remove Layer...
- Move to Top
- Move to Bottom
- Open Attribute Table
- Toggle Editing
- Filter...
- Change Data Source...
- Set Layer Scale Visibility...
- Layer CRS
- Export
- Styles
- Add Layer Notes...
- Properties...



Processing Toolbox

Search: refactor

- Recently used
- Vector table
  - Refactor fields

Copy Style

- Add...
- Rename Current...
- default

Recent colors

- Edit Symbol...
- Copy Symbol
- Paste Symbol

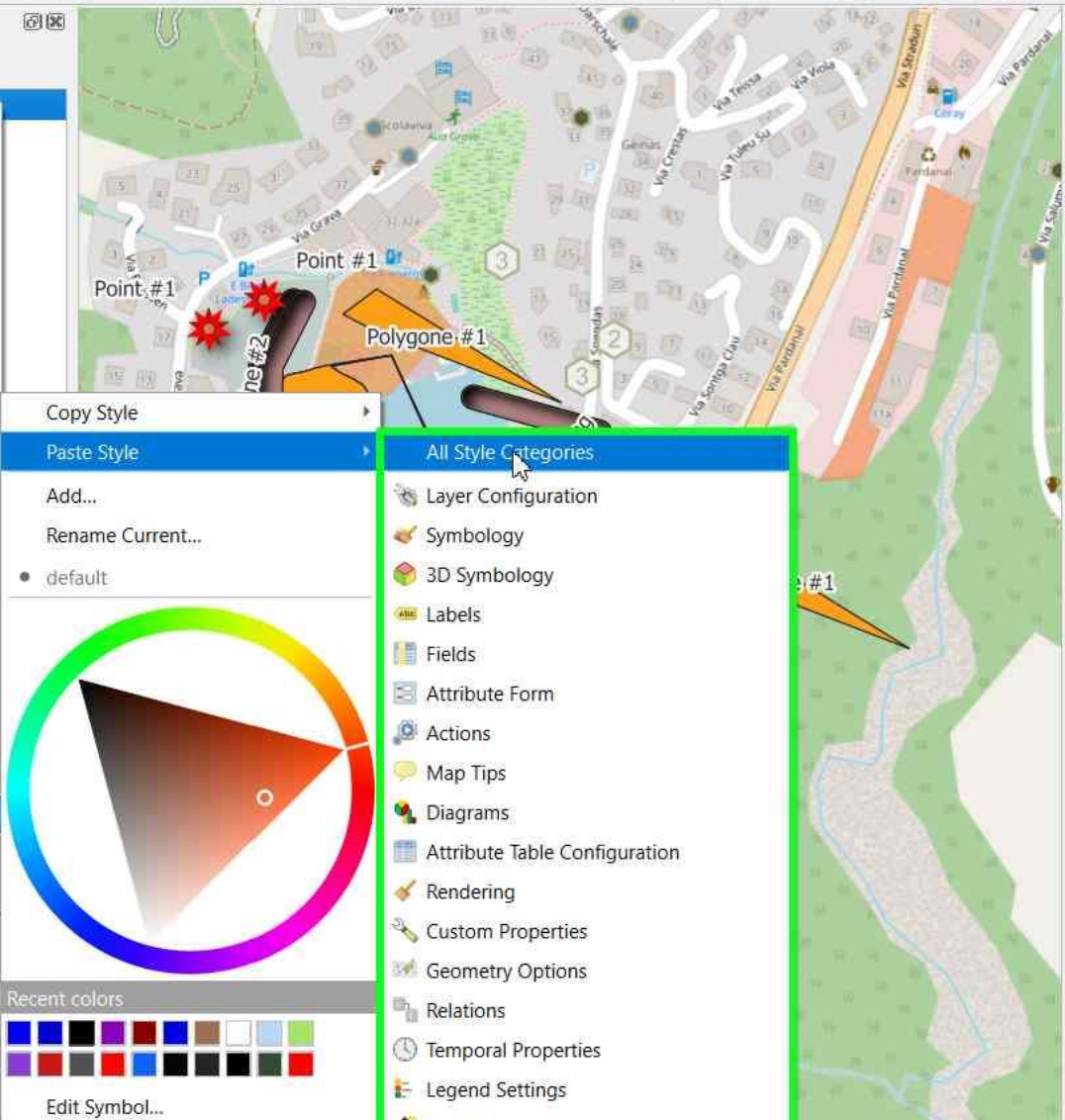
All Style Categories

- Layer Configuration
- Symbology
- 3D Symbology
- Labels
- Fields
- Attribute Form
- Actions
- Map Tips
- Diagrams
- Attribute Table Configuration
- Rendering
- Custom Properties
- Geometry Options
- Relations
- Temporal Properties
- Legend Settings
- Elevation Properties
- Notes



Layers

- Zoom to Layer(s)
- Zoom to Selection
- Show in Overview
- Show Feature Count
- Show Labels
- Copy Layer
- Rename Layer
- Duplicate Layer
- Remove Layer...
- Move to Bottom
- Open Attribute Table
- Toggle Editing
- Filter...
- Change Data Source...
- Set Layer Scale Visibility...
- Layer CRS
- Export
- Styles
- Add Layer Notes...
- Properties...



Processing Toolbox

refactor

- Recently used
- Vector table
  - Refactor fields

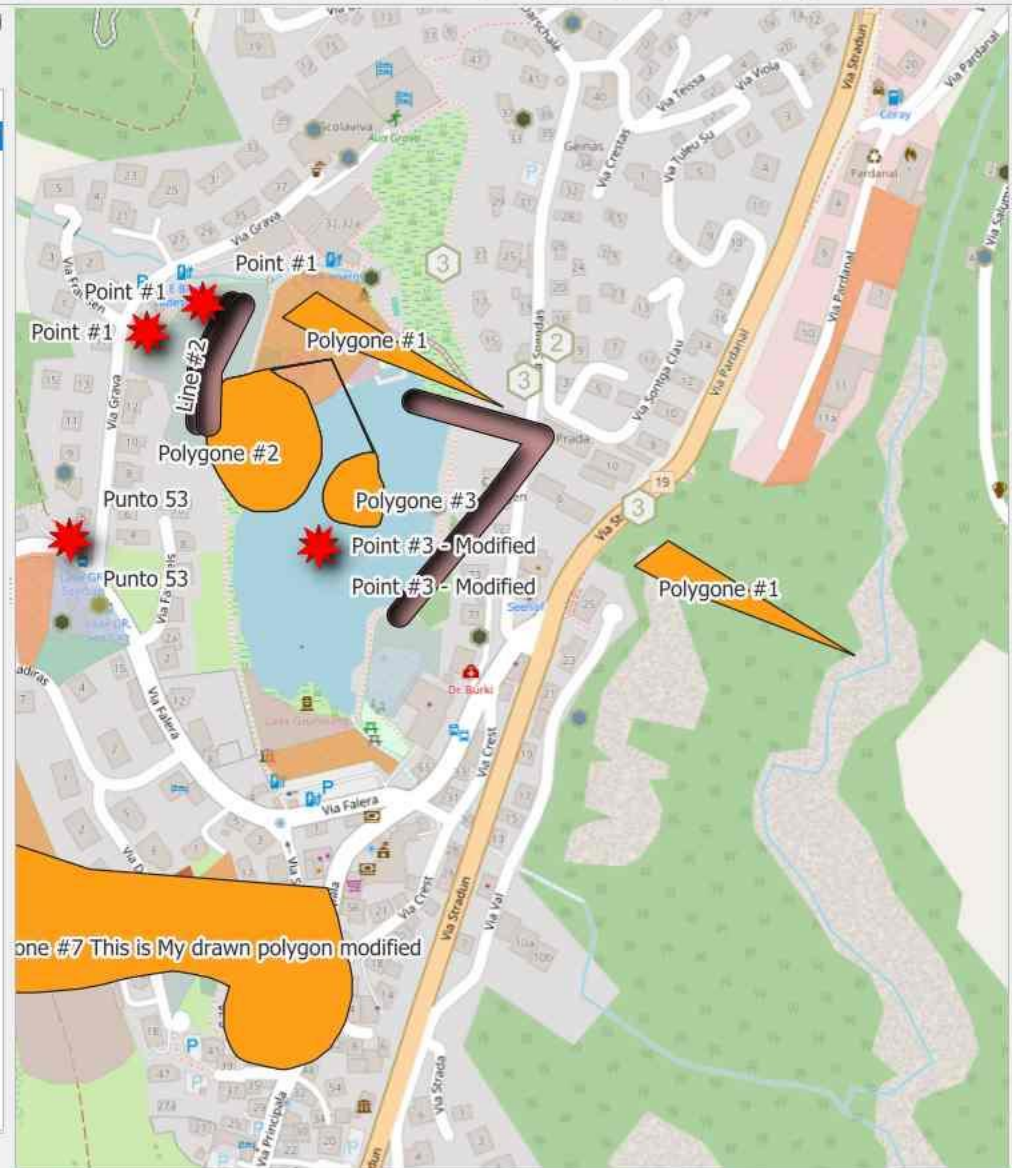


Layers

- Points
- point
- Lines
- Polyg
- Apiar
- Fields
- Basem
- On
- Of
- Tables
- Apiar
- Poller

Context menu for 'point' layer:

- Zoom to Layer(s)
- Zoom to Selection
- Show in Overview
- Show Feature Count
- Show Labels
- Copy Layer
- Rename Layer
- Duplicate Layer
- Remove Layer...
- Move to Top
- Move to Bottom
- Open Attribute Table
- Toggle Editing
- Filter...
- Change Data Source...
- Set Layer Scale Visibility...
- Layer CRS
- Export
- Styles
- Add Layer Notes...
- Properties...



Processing Toolbox

Search: refactor

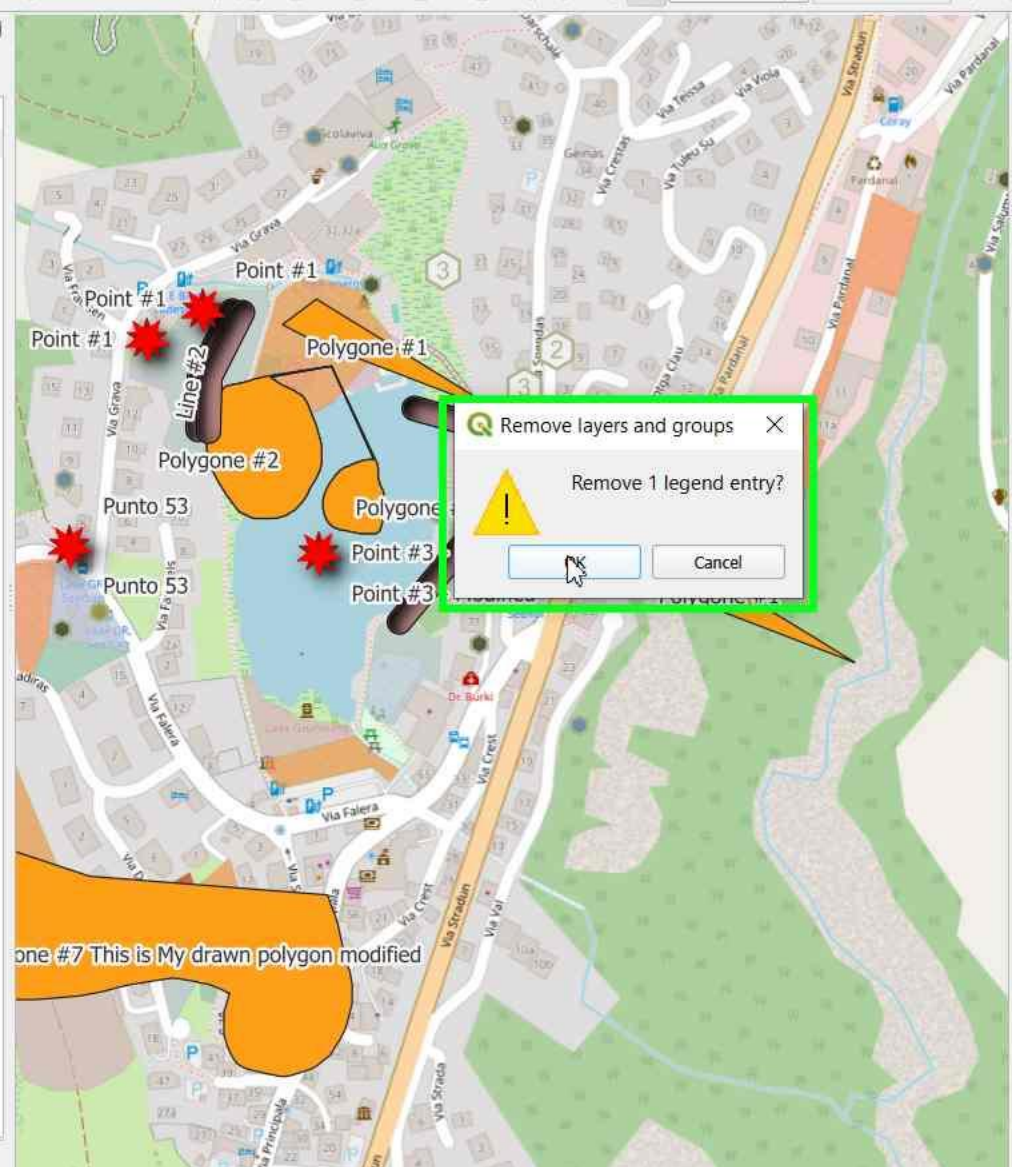
- Recently used
- Vector table
  - Refactor fields

Coordinate: 1030170, 5911046 | Scale: 1:6608 | Magnifier: 100% | Rotation: 0.0° | Render | EPSG:3857



**Layers**

- Points
  - point [6]
- Lines [3]
- Polygons [7]
- Apiary [40]
  - European honey bee [7]
  - Buckfast bee [13]
  - Carniolan honey bee [20]
- Fields [18]
  - Colza [1]
  - Grass [6]
  - Lavender [4]
  - Dandelions [5]
  - Weed [2]
- Basemap
  - Online OpenStreetMap
  - Offline local osm
    - lines
    - buildings
    - landscape
- Tables
  - Apiary\_Reviews [13]
  - Pollen\_Consumption [8]



**Processing Toolbox**

refactor

- Recently used
- Vector table
  - Refactor fields

Remove layers and groups

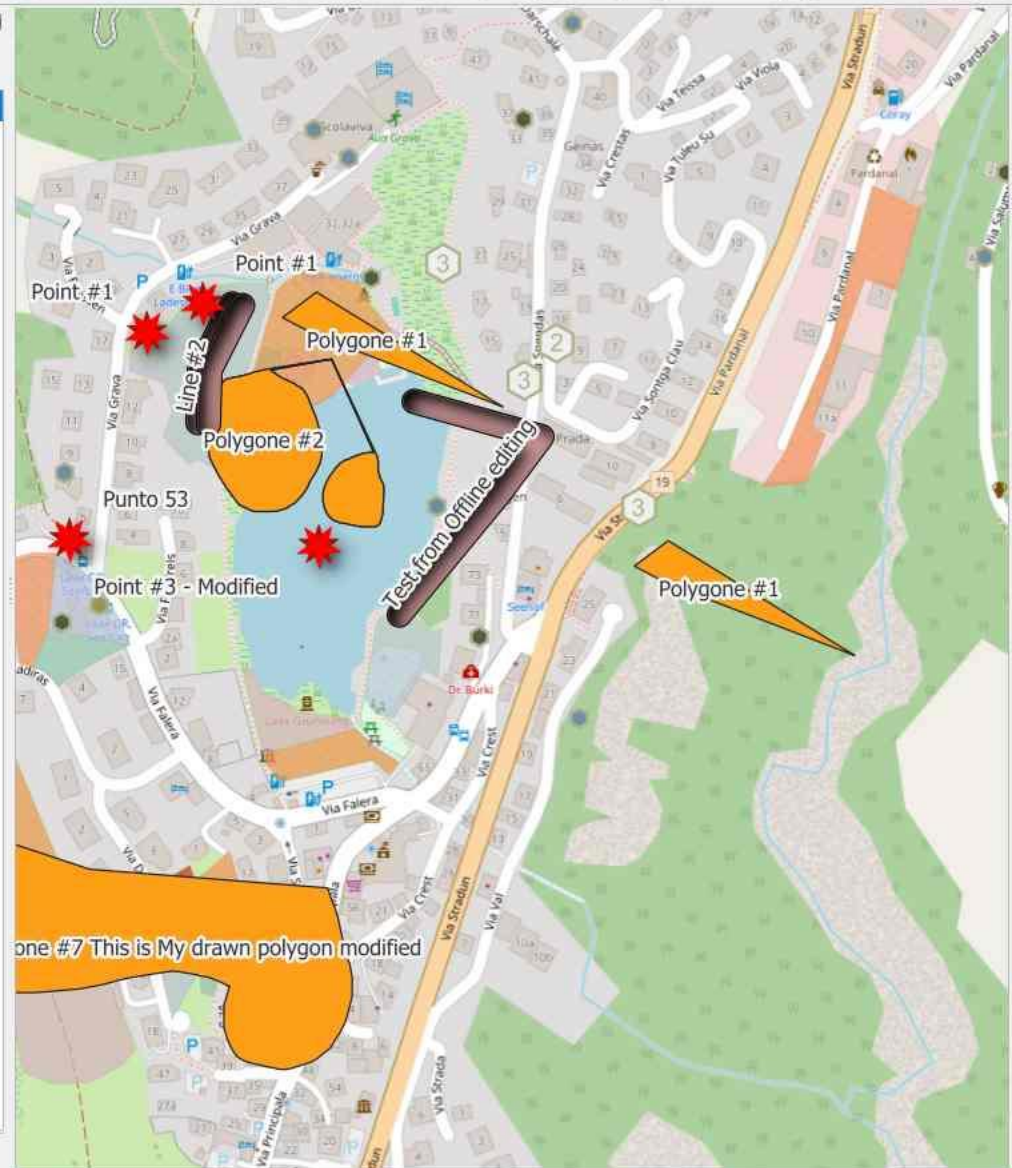
Remove 1 legend entry?

Cancel



Layers

- Points
- Lines [3]
- Polygons [7]
- Apiary [40]
  - European honey bee [7]
  - Buckfast bee [13]
  - Carniolan honey bee [20]
- Fields [18]
  - Colza [1]
  - Grass [6]
  - Lavender [4]
  - Dandelions [5]
  - Weed [2]
- Basemap
  - Online OpenStreetMap
  - Offline local osm
    - lines
    - buildings
    - landscape
- Tables
  - Apiary\_Reviews [13]
  - Pollen\_Consumption [8]



Processing Toolbox

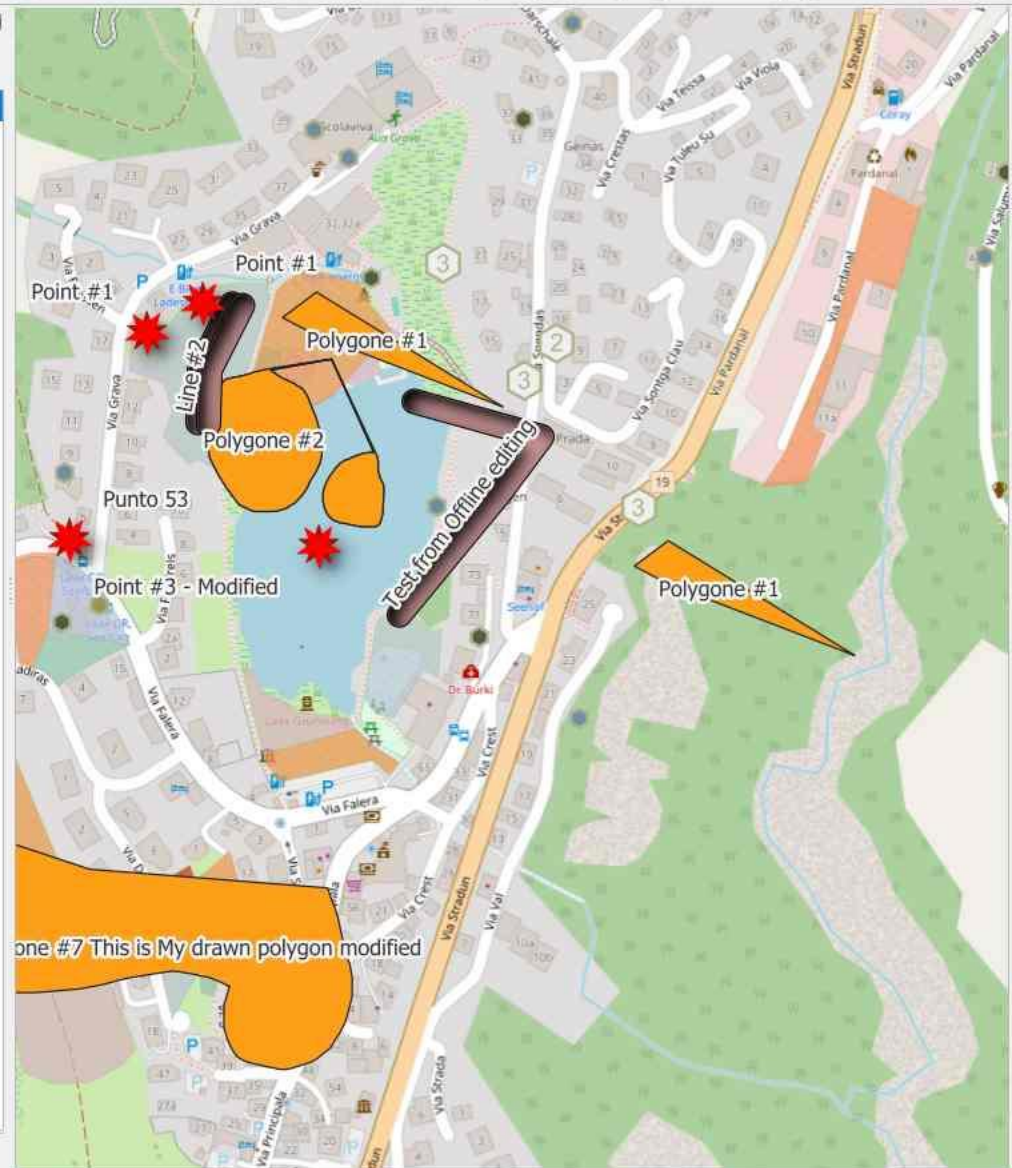
refactor

- Recently used
- Vector table
  - Refactor fields



**Layers**

- Points
- Lines [3]
- Polygons [7]
- Apiary [40]
  - European honey bee [7]
  - Buckfast bee [13]
  - Carniolan honey bee [20]
- Fields [18]
  - Colza [1]
  - Grass [6]
  - Lavender [4]
  - Dandelions [5]
  - Weed [2]
- Basemap
  - Online OpenStreetMap
  - Offline local osm
    - lines
    - buildings
    - landscape
- Tables
  - Apiary\_Reviews [13]
  - Pollen\_Consumption [8]



**Processing Toolbox**

refactor

- Recently used
- Vector table
  - Refactor fields

**Synchronize Current Cloud Project**

Coordinate 1031191, 5911166 Scale 1:6608 Magnifier 100% Rotation 0.0° Render EPSG:3857





Layers

- Points
- Lines [3]
- Polygons [7]
- Apiary [40]
  - European honey bee [7]
  - Buckfast bee [13]
  - Carniolan honey bee [20]
- Fields [18]
  - Colza [1]
  - Grass [6]
  - Lavender [4]
  - Dandelions [5]
  - Weed [2]
- Basemap
  - Online OpenStreetMap
  - Offline local osm
    - lines
    - buildings
    - landscape
- Tables
  - Apiary\_Reviews [13]
  - Pollen\_Consumption [8]

Synchronizing project "OPENGIS/Advanced\_Bee\_Farming\_Demo"

QFieldCloud project name [OPENGIS/Advanced\\_Bee\\_Farming\\_Demo](#)

Local project directory

Some of the files on QFieldCloud differ from the files stored in the local project directory.  
Now you should choose what actions to perform on those files by clicking on the checkboxes in the file list below.

Checking the "local" action (under the computer icon) or "cloud" action (under the cloud icon) will mark that file as single source of truth and will cause the file to be overwritten either in the cloud or the local storage. All other files will not be affected.

Filename			Action
advanced_bee_farming_cloud.qgs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Upload (will replace file on t...
advanced_bee_farming_cloud_attachments.zip	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Upload (will replace file on t...
Points_Fixed.gpkg	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Create file on the cloud

Buttons: Prefer No Action, Prefer Local, Prefer Cloud, Cancel, Perform Actions, Help

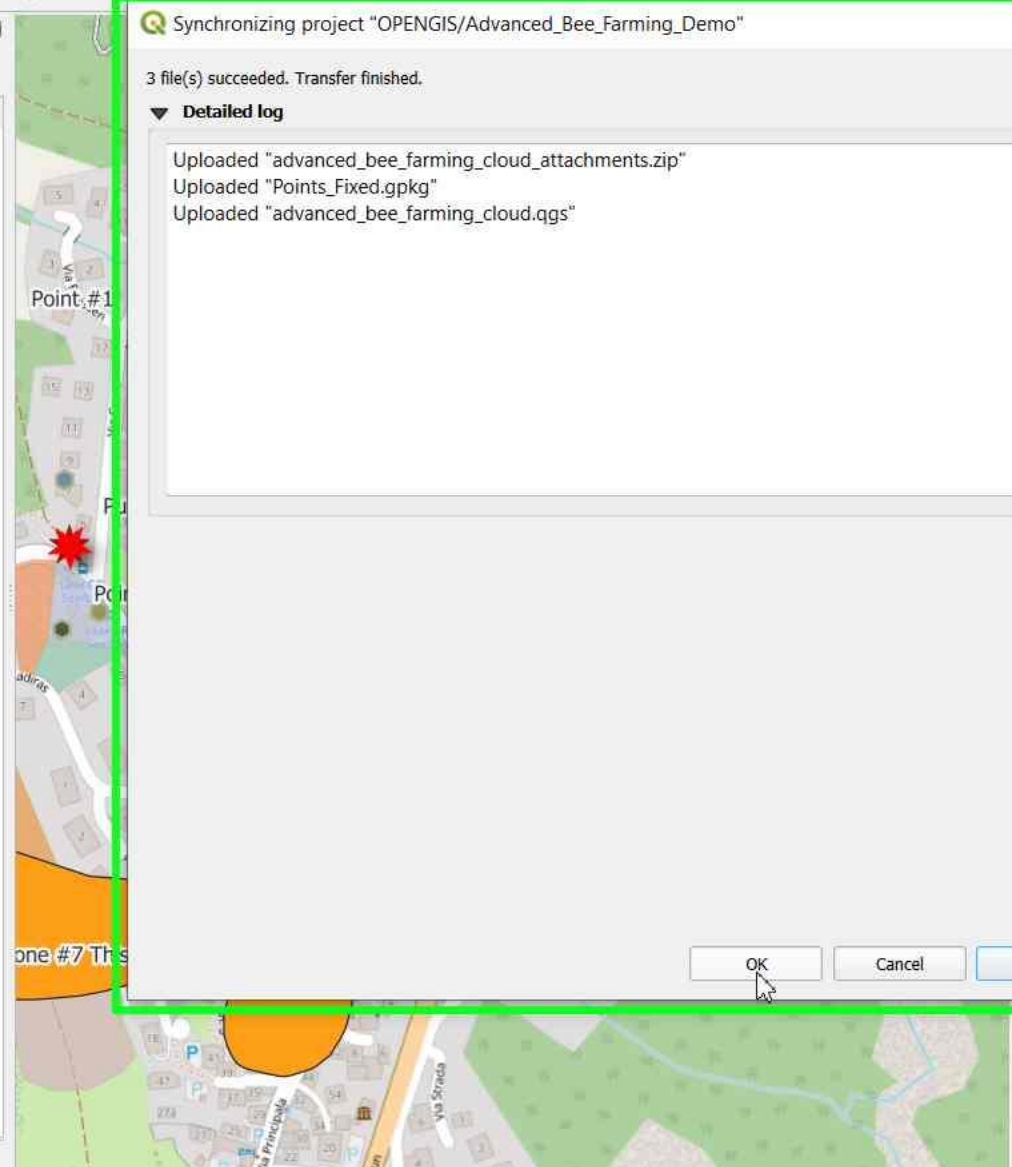
Toolbox

- Recently used
- For table
- Refactor fields



Layers

- Points
- Lines [3]
- Polygons [7]
- Apiary [40]
  - European honey bee [7]
  - Buckfast bee [13]
  - Carniolan honey bee [20]
- Fields [18]
  - Colza [1]
  - Grass [6]
  - Lavender [4]
  - Dandelions [5]
  - Weed [2]
- Basemap
  - Online OpenStreetMap
  - Offline local osm
    - lines
    - buildings
    - landscape
- Tables
  - Apiary\_Reviews [13]
  - Pollen\_Consumption [8]



Synchronizing project "OPENGIS/Advanced\_Bee\_Farming\_Demo"

3 file(s) succeeded. Transfer finished.

**Detailed log**

```
Uploaded "advanced_bee_farming_cloud_attachments.zip"
Uploaded "Points_Fixed.gpkg"
Uploaded "advanced_bee_farming_cloud.qgs"
```

OK Cancel Help

Toolbox

Recently used

for table

refactor fields

Coordinate 1031191, 5911166 Scale 1:6608 Magnifier 100% Rotation 0.0 ° Render EPSG:3857