

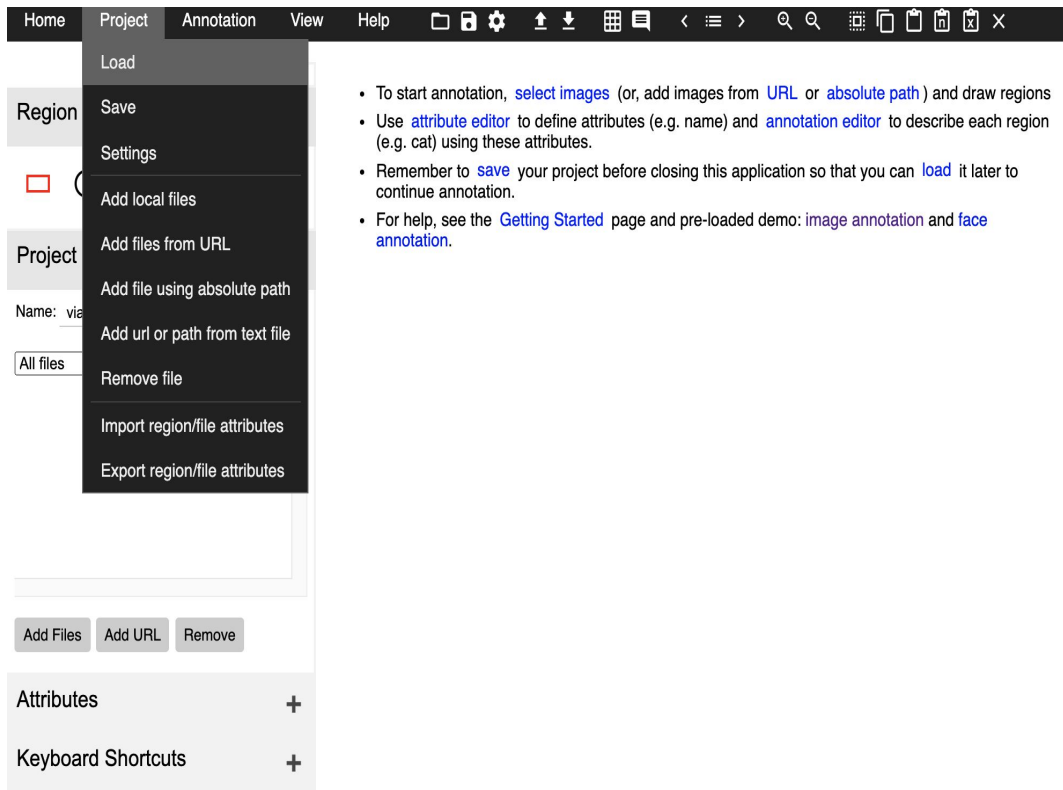
VIA Tool Instruction

Tutorial

- [Official Website](#)
- Get Started : A basic user guide is also available inside the VIA application and can be accessed using top menubar "Help -> Getting Started".
- [Video Instruction](#) (In video, it used version 2.02. Its keyboard shortcuts are little different with version 2.11(now using))

Steps of annotation on building type

1. Download [the github](#) repo , there are two dataset folder. 'train' and 'val' need to be annotated
2. Open the via/via.html
3. Click Project => Load => Select train.json/ val.json



Steps

3. Click add file, select all the image in the folder 'train', and your screen will be like this

HomeProjectAnnotationViewHelp

Region Shape

Project

Name: via_project_28Apr202

All files

regular expression

[1] 14053_79367_5_4.jpg

[2] 14053_79367_10_4.jpg

[3] 14053_79367_14_4.jpg

[4] 14053_79367_22_4.jpg

[5] 14054_79368_1_4.jpg

[6] 14054_79368_6_4.jpg

[7] 14054_79368_11_4.jpg

[8] 14054_79368_14_4.jpg

[9] 14054_79368_16_4.jpg

[10] 14054_79368_19_4.jpg

[11] 14054_79368_22_4.jpg

[12] 14054_79368_25_4.jpg

[13] 14054_79368_29_4.jpg

[14] 14055_79369_6_4.jpg

[15] 14055_79369_11_4.jpg

[16] 14055_79369_15_4.jpg

[17] 14055_79369_20_4.jpg

[18] 14055_79369_22_4.jpg

[19] 14056_79370_8_4.jpg

[20] 14056_79370_12_4.jpg

[21] 14056_79370_15_4.jpg

[22] 14057_79371_6_4.jpg

[23] 14057_79371_8_4.jpg

[24] 14057_79371_19_4.jpg

Add Files

Add URL

Remove

Attributes

Steps

4. For each image, click ***spacebar*** and you can choose the building type.

There are 4 classes, opening, masonry, m6, rcw. Default class for building is masonry.

Usually, label numbers of building are at the beginning

Here numbers are 1, 2, 3, 4

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[Region Annotations](#)[File Annotations](#)


	class_name
1	<div><div><input type="radio"/> opening</div><div><input checked="" type="radio"/> masonry</div><div><input type="radio"/> m6</div><div><input type="radio"/> rcw</div></div>
2	<div><div><input type="radio"/> opening</div><div><input checked="" type="radio"/> masonry</div><div><input type="radio"/> m6</div><div><input type="radio"/> rcw</div></div>
3	<div><div><input type="radio"/> opening</div><div><input checked="" type="radio"/> masonry</div><div><input type="radio"/> m6</div><div><input type="radio"/> rcw</div></div>
4	<div><div><input type="radio"/> opening</div><div><input type="radio"/> masonry</div><div><input type="radio"/> m6</div><div><input type="radio"/> rcw</div></div>
5	<div><div><input checked="" type="radio"/> opening</div><div><input type="radio"/> masonry</div><div><input type="radio"/> m6</div><div><input type="radio"/> rcw</div></div>

Steps

5.







Usually, label numbers of building are at the beginning

Here numbers are 1, 2, 3, 4

Different color shows different class (press  to show the class color)

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Region Shape



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Region Annotations

File Annotations

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Steps

6.

After annotating all the images, click Project => Save. And you can get a .json file.

All finish!

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Region AnnotationsFile Annotations

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Keyboard shortcut

Here

Esc, spacebar are
used frequently

Keyboard Shortcuts

Available only on image focus

← ↑ → ↓	Move selected region by 1 px (Shift to jump)
a	Select all regions
c	Copy selected regions
v	Paste selected regions
d	Delete selected regions
Ctrl + Wheel	Zoom in/out (mouse cursor is over image)
l	Toggle region label
b	Toggle region boundary
Enter	Finish drawing polyshape
Backspace	Delete last polyshape vertex

Always Available

← →	Move to next/previous image
+ - =	Zoom in/out/reset
↑	Update region label
↓	Update region colour
Spacebar	Toggle annotation editor (Ctrl to toggle on image editor)
Home / h	Jump to first image
End / e	Jump to last image
PgUp / u	Jump several images
PgDown / d	Jump several images
Esc	Cancel ongoing task

Note

- If you find some mislabel building, please record their file name and tell me
- If you encounter any problem, please contact me(yaxiong.luo@epfl.ch).

Thanks