



Street Art in Vienna

Making Viennas Street Art
visible in an open dataset

Master Seminar 2025
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Motivation

making art visible...

- in public spaces
- in unexpected places
- on communal buildings

multiple purposes of wall paintings:

- enhancing public/private settings
- platform for social or political criticism
- documentation of historical occasions

<https://artincontext.org/what-is-a-mural/>



Dataset sources

- our own photos (~70 points)
- Das Raufschamuseum (~100 points)
 - Magdalena Hiller and Gabriel Roland
 - collection of art on housefronts between 1919 and 1979, mainly in Vienna
 - <https://www.raufschamuseum.at/>
- other data sources
 - Calle Libre
 - Vienna Murals
 - City of Vienna



Dataset overview

id	description	district	municipal	lon	lat	Date_Time	address
1	NaN	1	False	16.378430	48.207750	01:03 PM, 23 April 2020	Wollzeile 36
2	NaN	2	False	16.381436	48.223243	02:27 PM, 07 May 2020	Lili-Grün-Platz 1
3	NaN	2	False	16.381802	48.222824	02:35 PM, 07 May 2020	Klanggasse 5
4	NaN	2	False	16.384740	48.223550	03:02 PM, 07 May 2020	Vereinsgasse 25
5	NaN	2	False	16.383036	48.223883	02:56 PM, 07 May 2020	Lessinggasse 7
...
168	NaN	3	False	16.387119	48.196261	05:05 PM, 12 June 2025	Ungargasse 69
169	NaN	3	True	16.389467	48.200144	06:19 PM, 12 June 2025	Hintzerstraße 14
170	NaN	3	False	16.387222	48.202306	06:24 PM, 12 June 2025	Ungargasse 22
171	NaN	3	True	16.380108	48.198997	07:01 PM, 12 June 2025	Zaunergasse 16
172	NaN	10	False	16.379314	48.180853	01:04 AM, 13 June 2025	Sonnwendgasse 20

Dataset overview

Which art did we include?

- “official graffiti”



Dataset overview

Which art did we include?

- wall paintings (murals)



Dataset overview

Which art did we include?

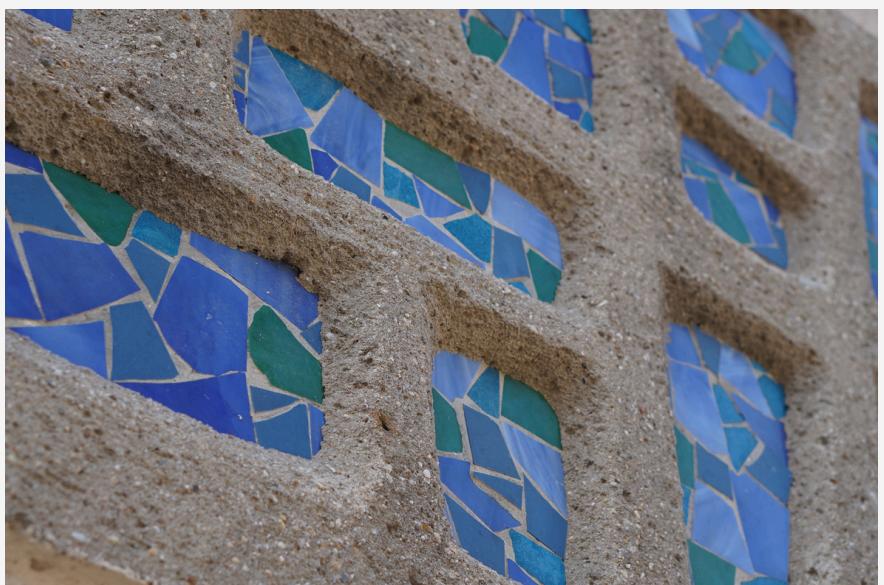
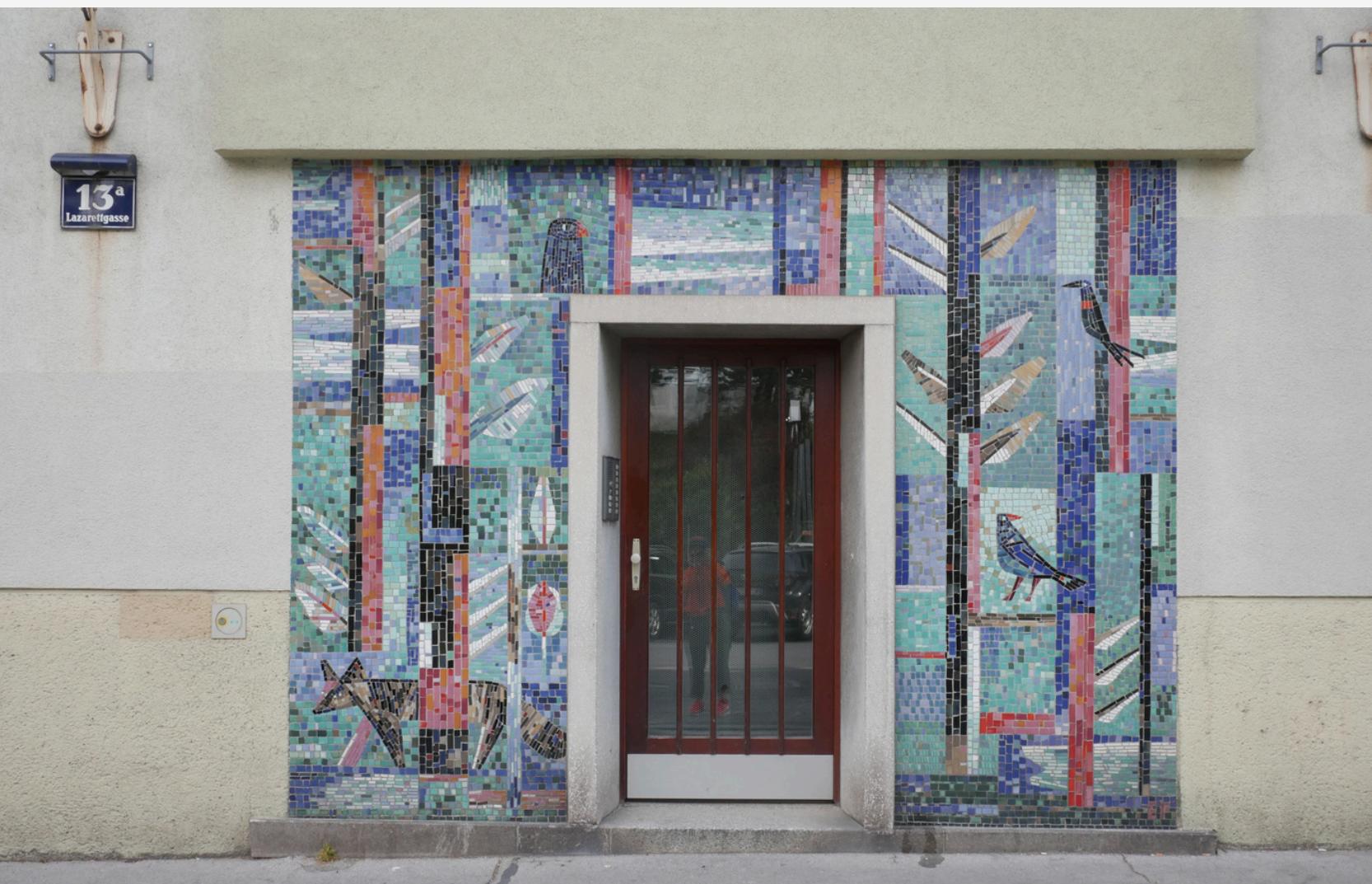
- sculptures on walls



Dataset overview

Which art did we include?

- mosaic



Technical Aspects

Coordinates represent one of three locations:

1. address of the building
2. location of the photographer
3. intersection point of two streets

Initial idea for georeferencing:

Image matching with Vienna's street view
dataset 'Kappazunder'

But:

Very time and resource intensive
Unsure results



Technical Aspects

art on municipal buildings:

1. 20m buffer around locations in our dataset
2. intersection with municipal buildings of Vienna (OGD.at)
3. got 53 art pieces on municipal buildings



Problems and Limitations

- differing image quality
- opposite side of the street (river) problem
- bad matches with addresses
- limited additional information (artist, style, time, etc)
- fuzzy definition of what street art is
 - graffiti tags
 - illegal/temporary graffiti
 - advertisements
- incomplete dataset



Use Cases

1. Documentation
2. Awareness
3. Tourism
4. Spatial analysis
 - a. the dataset would need to be complete!
 - b. influence on housing prices
 - c. (uneven) spatial distribution in Vienna



Outlook

- add additional attribute information
 - Artist, creation date, description...
- refine locations and addresses
- enable public contribution
- include data in OSM
- add more art pieces!



Demo



https://jrolanduni.github.io/StreetArt_Vienna/index.html