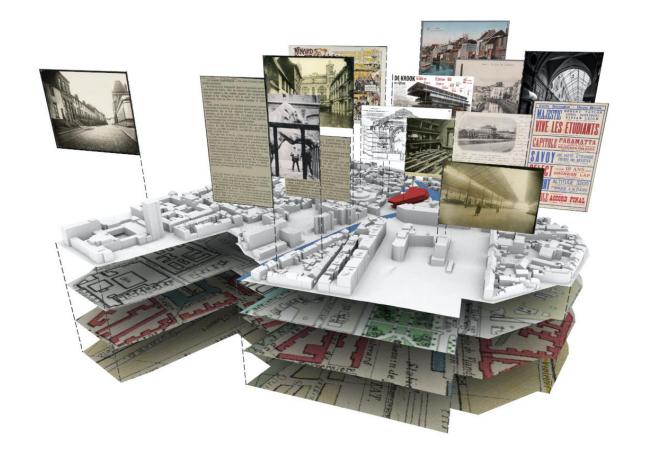


About Ghent Mapped

- Cultural Heritage Project
- Funded by the Flemish Community (2020-2023)
- 8 partners
 - Ghent City Museum
 - Industrial Museum
 - Institute of Social History
 - Museum of Daily Life

•



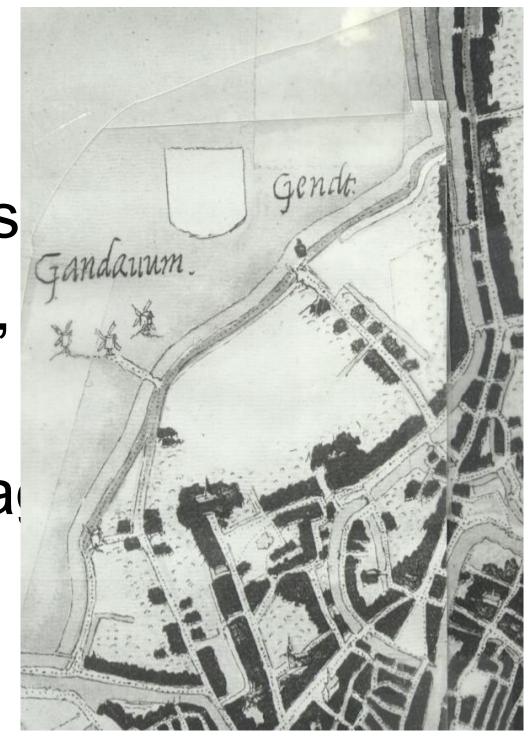
About Ghent Mapped

Use "Places" to organize, present and explore

history and cultural heritage collections

- streets, parks, waterways, buildings,
- each place has its human history
- each place is linked to cultural herita
- Use historical maps to explore a city, its history & its collections





How can institutions share cultural heritage?

GLAMs (Galleries, Libraries, Archives, Museums)

- improve accessibility through digitization
- provide metadata to help discover collection
- adopt open standards





How can we promote IIIF to these GLAMs?

- IIIF offers possibilities for GLAM, researchers and users
 - -Standardized access to digital objectsnotation
 - —Cite and share digital objects

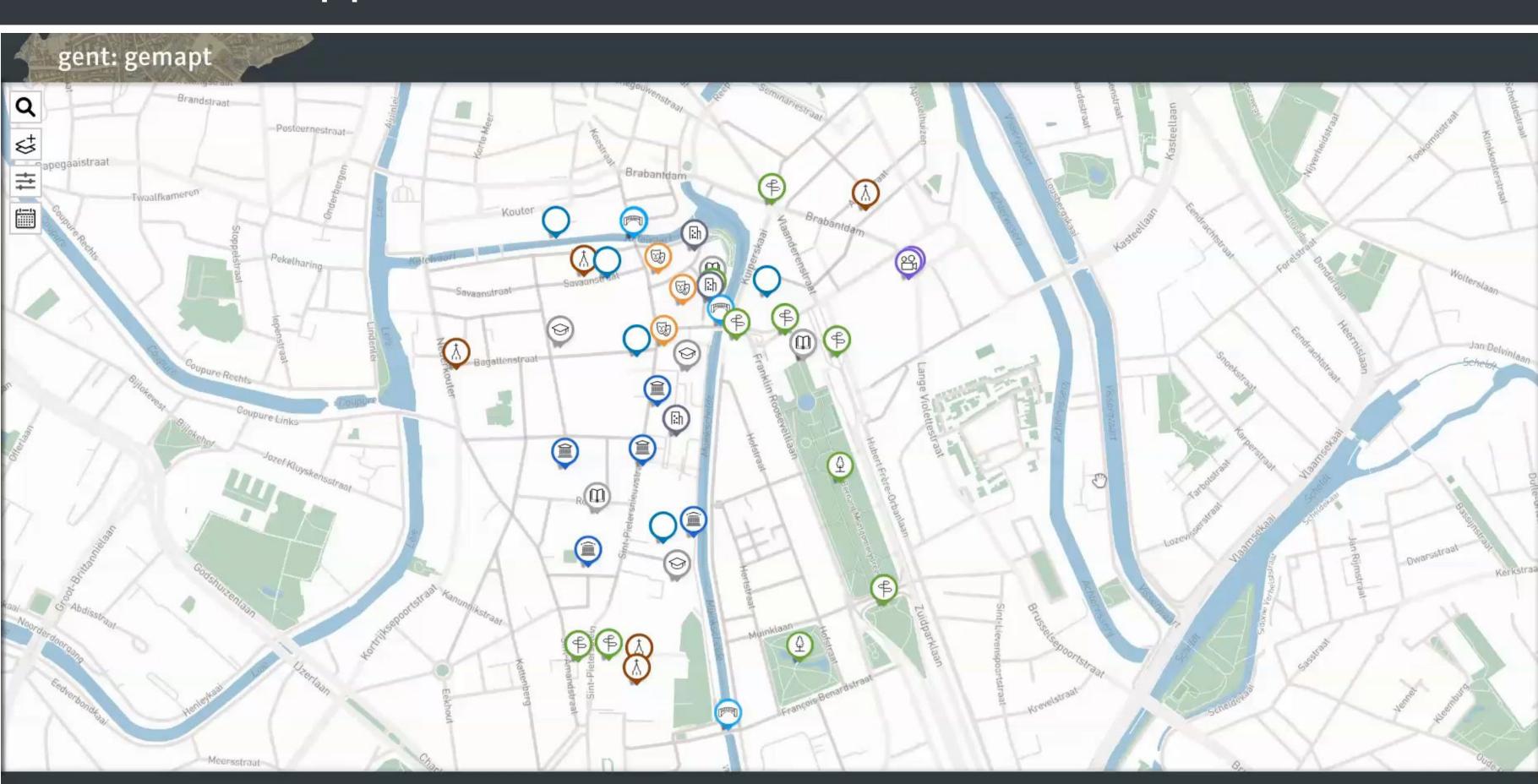
—Participative enrichment

—Display and storytelling

—Collaborative learning

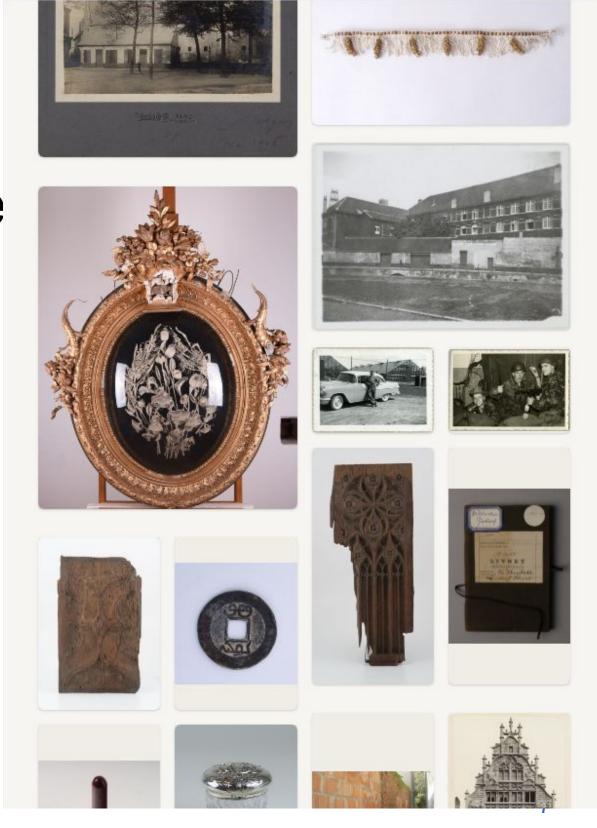
- Yes, but how?
 - —Help GLAMs in their transition to IIIF
 - —Build a proof of concept

Ghent Mapped - Showcase



GLAMs transition to IIIF

- Only 2 of 8 partners support IIIF
- Big step to get started
- Ghent University Library as IIIF partne
 - Image/Metadata conversion
 - Hosting on "SharedCanvas"
- Early 2022: "Collection of Ghent"
 - IIIF infrastructure for city GLAMs
 - Central metadata repository based
 OSLO standard





Places | Organizing collections with a historical gazetteer

Geographical dictionary

- a list of 'places'
 - name, feature type, dating geographical extent
 - relational context
 - URI (Uniform Resource Identifier)
- publish as Linked Open Data
- gazetteers as an organizing tool

	TABLE	ALP	TIQU	QUE	
s, Places,	Promenad				

Rues	Carves du Plan	Rues	Carr és d'a P'an	Rues	Carrés du Plan	
du Marais (longue)	10, K	du Pelican	1.3.K	S. Orépin	.8.1.	a
du Marais (courte)	10, K	des Pénitentes	12,0	du StEsprit	10, L	a
aux Marjolaines	10, L	des Pénitentes (petite)	11,0	S! Georges	12, N	7
de Meirlebeke	13, M	du Perroquet	7. K	S! Giller	11, Q	1
des Meuniers	8,0	du Phénix	4,0	S. Hubert	10, G	d
der Meuniers (vieille)	12, D	de la Préce	14, K	S! Jean	11, L	1
du Miroir	12, M	der Pierrer (longue)	10,P	St Lieoin	14, E	cz
dela Monnaie	9,0	der Pierres (cour te)	10, P	S.toMarquerite	9,P	a
de la Monnaie (longue)	10, N	der Pigeons	11,0	St Martin	8,K	d
de la Monnaie (courte)	10, N	de la Place d'Armes	11, K	S. Michel	8.M	d
du Mont-au-Chaume	9, L	delaPlume	8,0	S. Pierre	11, E	Vi
Montagne des Jardiniers	11, F	du Poire	7. N	du S. Sacrement	9.K	d
Montagne des Infidèles	11, T	du Pont aux Moines	n,E	S!Sauveur	12, S	a
Montagne de Paris	11, H	du Pont Madou	11, 1	Sans Fin	10.N	a
du Mortier	14. L	du l'onton du Laitage	10,0	de la Sauge	7, 1	a
da Moulinet	9, K	du Ponton	13, M	des Savetiers	10, N	d
N	1550	du Ponton (petite)	8, E	de Savon	10.1	d
des Napets	14, G	de la Porte de Bruges	5,N	der Scieurs	11.K	d
Neuve St. Jacques	12, M	The state of the s	9,F	du Sel	9, H	Vi
Neuve StPierre	11, G	du Pot d'Étain	8.0	des Selliers	9.N	Ve
Notre-Dame	10,0	de la Poussière	9, K	des Semeurs	9.P	d
0		des Prêtres	13,R	du Seminaire	11, L	Vi
Obscure	11,0	de la Promenado	11, N	les Sentiers	11, D	d
de l'Ocre	9,L	dela Proue	9.L	der Servantes	9, M	di
aux Oignons	9, K	de la Pacelle	7, K	da Soleil (haute)	9. N	d
de l'Omelette	8, L	0	1	da Soleil	9.K	d
d'Or	12, P	du Quai aux Vaches	14, L	de la Station	13, I	d
d'Orange	11, K	R		de la Station (Ruelle)	3, 1	d
des Orphelins	12.M	de la Raffinerie	11.0	T		di
d'Otton	12,0	des Raisins	11,0	des Tanneurs	12,0	d
anr Ours	11, P	des Ramoneurs	7, L	de la Tarière	12.R	-
P		du Refuge	11, M	des Templiers	10, P	d
du Pain-perdu	9, H	des Regnesses	11, L.	Terre-Neuve	12, Q	di





Images | Image selection

- (currently) manual selection of digital objects, based on:
 - 'Place'
 - Availability of material
 - Visual quality
 - Diversity (type, content)
- (currently) 5000+ images for a selected set of places



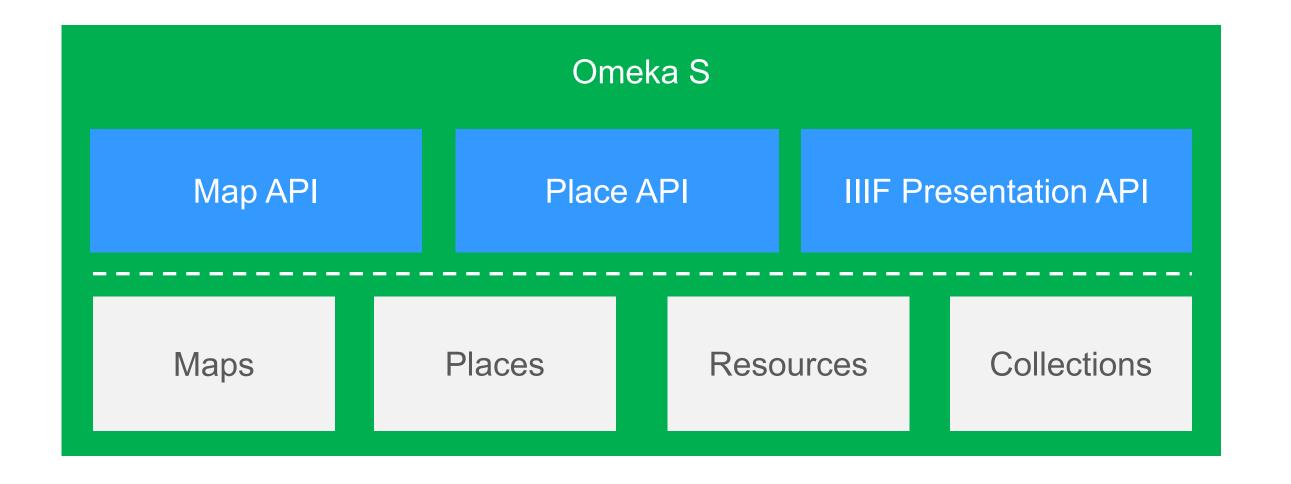
Maps | Historical maps

- Currently 6 historical maps
 - Georectification of high resolution scans with QGIS
 - Time consuming
 - Future: IIIF maps with Allmaps
- Many more maps available, but ...
 - source material not good enough
 - poor georectification results
 - should you show geometries on historical maps?



Platform | Omeka S as unifying framework









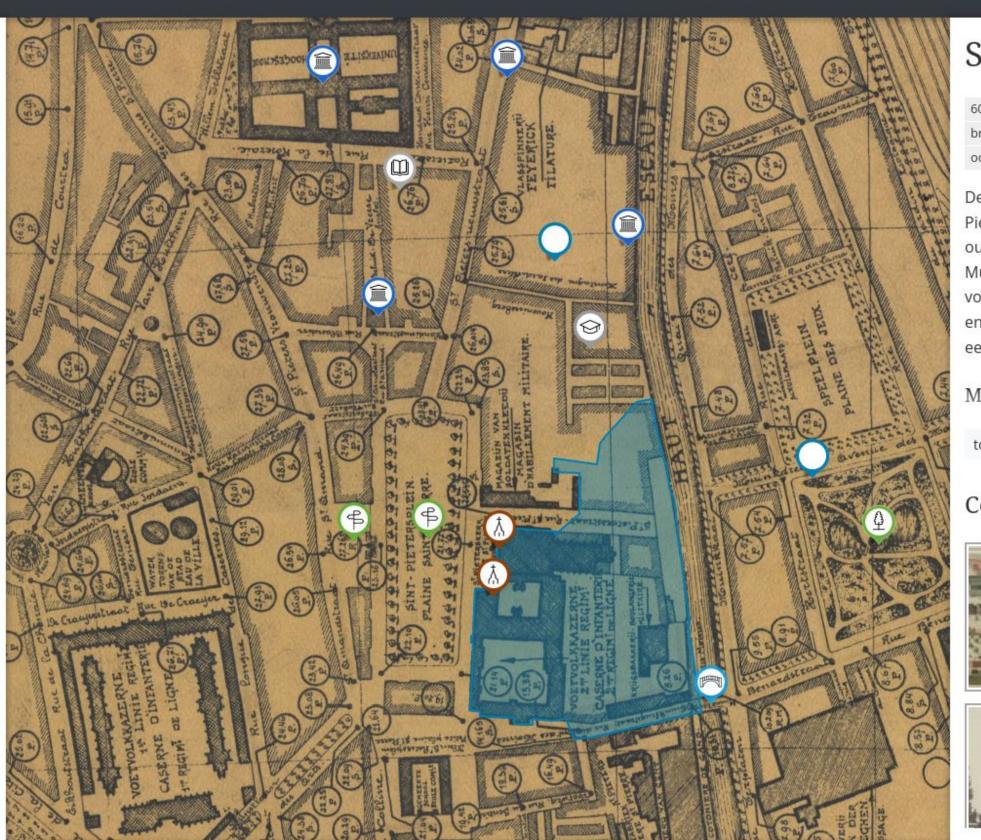
Kaart opties

Basiskaarten

- Gent Gemapt basiskaart
- Google satelliet

Kaartlagen

- Compyn, Soenen & Piscador, 1912
- Ferraris kaart Kabinetskaart der Oostenrijkse Nederlanden en het Prinsbisdom Luik, 1771 - 1778
- Horenbault, 1619
- Popp, Atlas cadastrale parcellaire de la Belgique, 1842 1879
- Topografische kaart Vandermaelen (1846-1854), Vlaanderen
- Luchtfoto Vlaanderen, zomer 1979-1990 - kleur
- Luchtfoto Gent 1954-1961



Sint-Pietersabdij

600 - heden abdijen abdijkerken bakkerijen boomgaarden
brouwerijen infirmerieën kaaimuren kloostertuinen omheiningsmuren
oorlogsmonumenten parochiekerken rosmolens stallen wijngaarden

De Sint-Pietersabdij ligt naast de Sint-Pieterskerk aan het Sint-Pietersplein op de Blandijberg. De abdijtuin met ruïnes van de oude abdij, haar boom- en wijngaard strekt zich uit langs de Muinkschelde. De voormalige benedictijnenabdij heeft een lange voorgeschiedenis en was van bijzonder grote betekenis voor Gent en omgeving. Ze vormde naast de Sint-Baafsabij aan portus Ganda een tweede, en lang rivaliserende, stadspool van de stad.

Machtig religieus en economisch centrum

toon meer

Collectie















Sustainability

- Current manual image selection unsustainable
- Current manual mapping to places unsustainable
- Minimum information needed
 - Dates required for sorting & filtering
 - Identifiers & metadata needed for mapping
- What is possible with IIIF?



IIIF properties & metadata

- navDate
 - datetime, for navigation purposes (timeline/calendar)
 - rarely found in manifests
- navPlace
 - geographic coordinates (GeoJSON, no GeoNames)
 - no wide adoption yet
- metadata
 - key / value pairs, intended for presentation only
 - no semantics!



External data sources

seeAlso

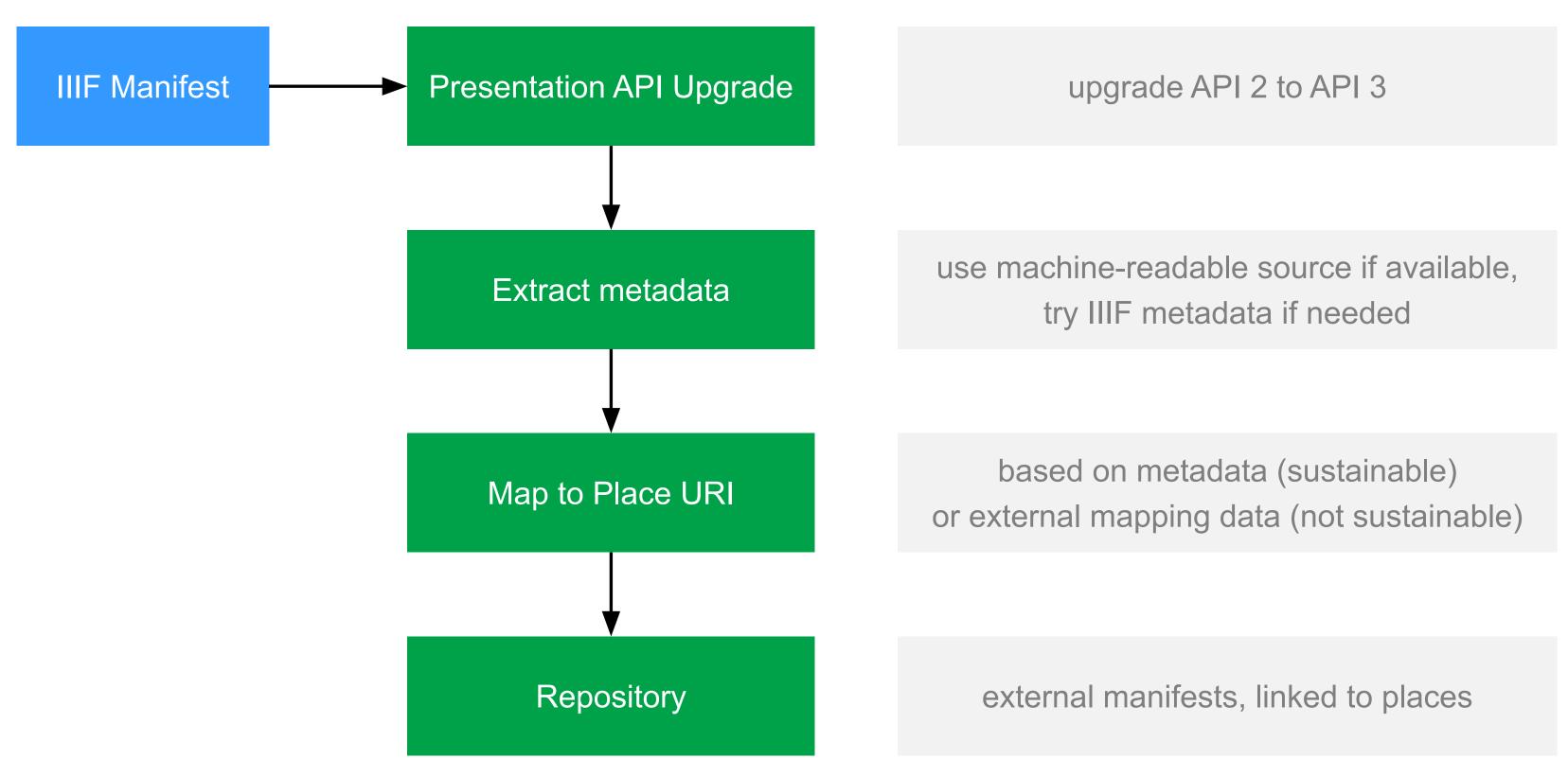
points to machine-readable resources
 (JSON, XML, RDF, etc.)

Sounds good, no?

- a lot of extra code to support different data formats and structures

 (in our case: MARCXML, custom JSON, GraphQL endpoint)
- external data sources are not always semantic datasets
- GHENT STATE OF STATE

Ingest pipeline



Enriching IIIF collections through Madoc

Madoc platform

- developed by Digirati
- crowdsourcing and machine-assisted IIIF enrichment
- custom data models
 - transcriptions, annotations, entities, metadata enrichment
- external data sources
 - "Ghent Mapped" gazetteer as lookup service

Enriching IIIF collections through Madoc

- IIIF goes in \square IIIF comes out
 - -view updated metadata
 - -view captured entities as annotations
 - —easy to present enriched collections
- Madoc API
 - —get structured data
 - allow partners to receive enriched data (future challenge)



Madoc use cases for Ghent Mapped

- Transcriptions of old postcards
- Improve metadata and descriptions of collections of porcelain-cards

Geolocate historical workers

houses



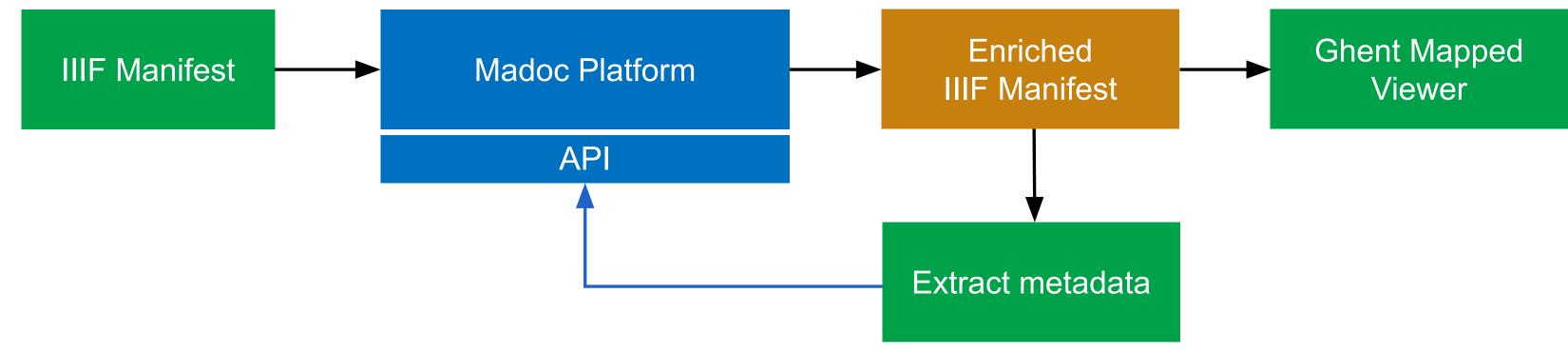




Improve sustainability

Use Madoc to improve manifest ingestion

- collect missing dates
- map resources to places using our gazetteer





Future work

- Improve pipeline for enriched manifests for each partner
- Migrate maps to IIIF maps
- Publish gazetteer as Linked Open Data for heritage
 - No IIIF extension for gazetteer URIs?

Thank you!

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- Gazetteer vincent.ducatteeuw@ugent.be
- Madoc <u>lise.foket@ugent.be</u>
- Software frederic.lamsens@ugent.be