

MEMORIAV LE PATRIMOINE PHOTOGRAPHIQUE A L'ERE NUMERIQUE 15-16 novembre 2018 Lausanne / IDHEAP - Unil

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@emmedaquino





PHOTO ARCHIVES [some] problems with data





LINKED OPEN DATA approaches & benefits



COMMUNICA-TION

STANDARDS

every institution adopts national / community / technological standards that fit-for-purpose. Sharing requires a lot of effort.

VISIBILITY & ACCESS

NOT INTEGRATED

users are lazy, they need

to consult heterogeneous information and they want everything in one place.

PROPRIETARY SOFTWARE

sometimes not even cataloguers can access their own data and reuse them in other contexts.

CATALOGUING PROCESS

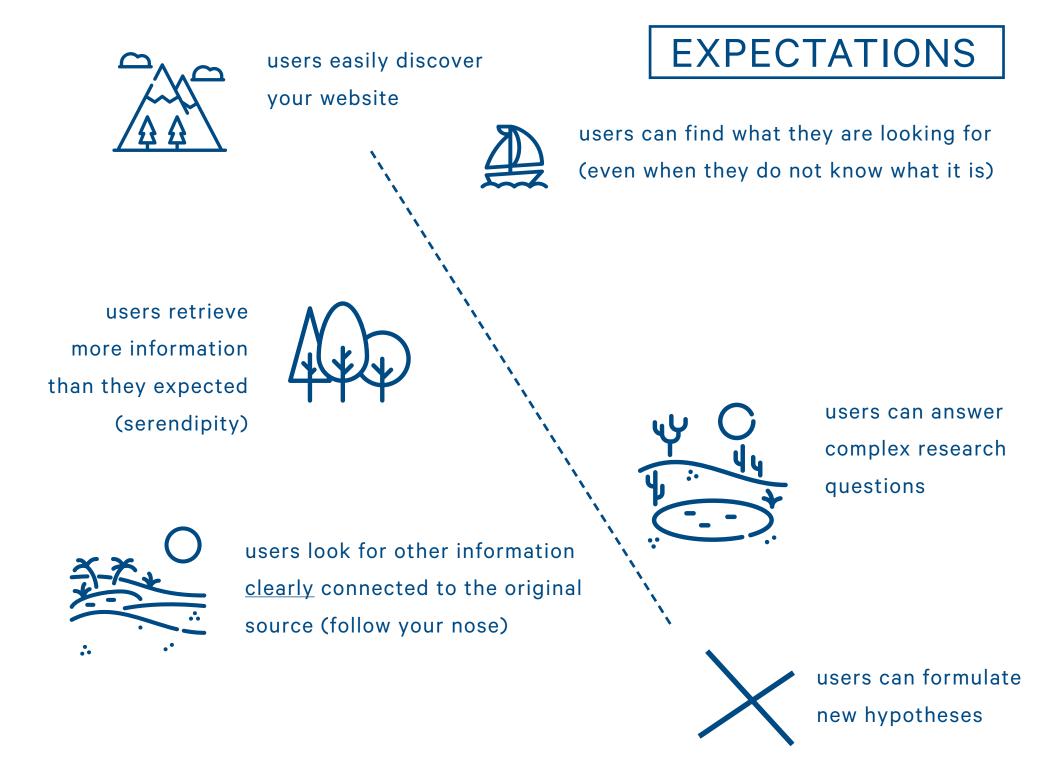
NOT UPDATED

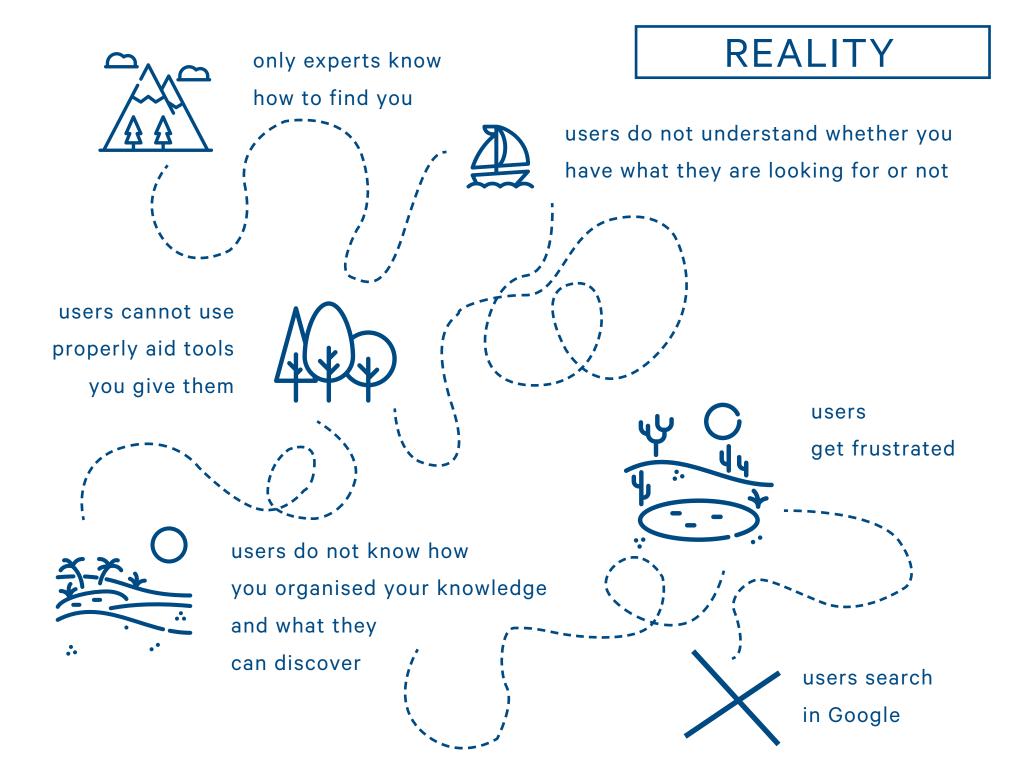
the cataloguing process is an expensive and time-consuming activity. Data may be affected by information quality issues over time.

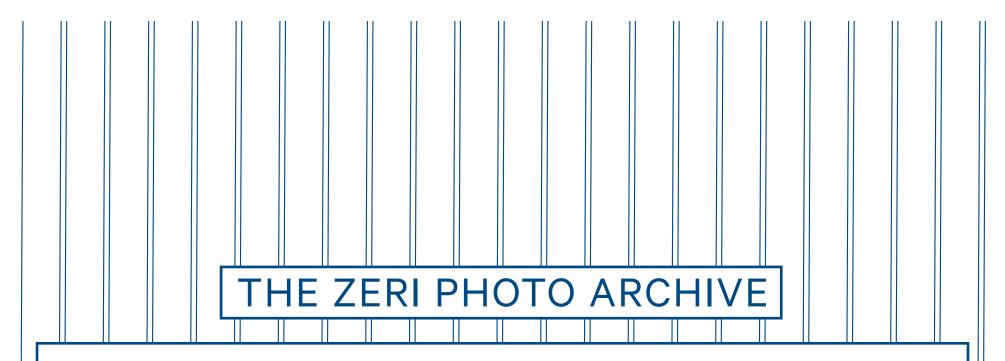
MISSING/PARTIAL

missing/partial information can affect the reliability of an institution and draw people to look somewhere else for more complete information.

> COMMON PROBLEMS IN GLAMs







- an art historical photo archive
- the bequest of Federico Zeri to the University of Bologna
- a strong focus on subjects (artworks)
- the first Italian photo archive creating detailed LOD

http://data.fondazionezeri.unibo.it



THE WEB WE KNOW

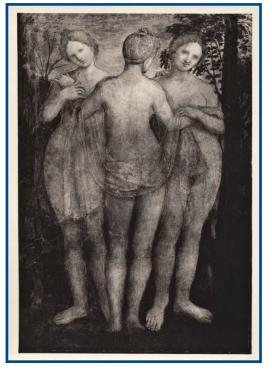
- SEC. XVI - TRE GRAZIE

OBJECT	
Object	positivo
Number of elements	1
Туре	m
BW/C - Material and technique	BN - gelatina ai sali d'argento/ carta baritata
Dimensions	mm 237 × 160 (supporto primario)
SUBJECT / TITLE	
Subject	<u> Tre Grazie — dipinto murale</u>
Artist / Milieu	Peruzzi Baldassarre
Attributed title	Peruzzi Baldassarre - sec. XVI - Tre Grazie
Source of title	del catalogatore
Detail / Whole	insieme
PHOTOGRAPHER	
Author	Anonimo
Reason for attribution	n.r.

the online cataloguing record of a photograph @Zeri

Author	Peruzzi Baldassarre [ULAN] [DBPEDIA]								
Personal data	1481/ 1536								
Reason for attribution	Bibliografia								
DIFFERENT ATTRIBUTIONS									
Author	Luini Bernardino, scuola (VIAF) (ULAN)								
Reason for attribution	Asta Christie's (1994)								
DATING									
DATING	sec. XVI								
-	sec. XVI								
Century Dates (from – to)	sec. XVI								

the online cataloguing record of the artwork depicted in a photograph @Zeri



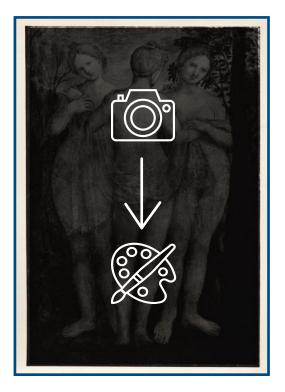
an image attached to the record

THE SEMANTIC WEB

- SEC. XVI - TRE GRAZIE

OBJECT											
Object	positivo										
Number of elements	1										
Туре	m										
BW/C - Material and technique	BN - <u>gelatina ai sali d'argento/ carta baritat</u>										
Dimensions	mm 237 × 160 (supporto primario)										
SUBJECT / TITLE											
Subject	<u>Tre Grazie — dipinto murale</u>										
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Personal data	1481/ 1536							
Reason for attribution	Bibliografia							
DIFFERENT ATTRIBUTIONS								
Author	Luini Bernardino, scuola (VIAF) (ULAN)							
Reason for attribution	Asta Christie's (1994)							
DATING								
Century	sec. XVI							
	sec. XVI 1500 - 1535							
Century Dates (from – to)								



a photograph depicting an artwork

machine-readable data linked by meaningful relations

THE SEMANTIC WEB

- SEC. XVI - TRE GRAZIE

OBJECT	
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Number of elements	1
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Dimensions	mm 237 × 160 (supporto primario)
SUBJECT / TITLE	
Subject	<u> Tre Grazie</u> — <u>dipinto murale</u>
Artist / Milieu	<u>Peruzzi Baldassarre</u>
Attributed title	Peruzzi Baldassarre - sec. XVI - Tre Grazie
Source of title	del catalogatore
Detail / Whole	insieme
PHOTOGRAPHER	
Author	Anonimo
Reason for attribution	n.r.

the photograph is taken by an anonimous photographer

AUTHOR		the state
Author	Peruzzi Baldassarre [ULAN] [DBPEDIA]	A CARLON CONTRACTOR
Personal data	1481/ 1536	
Reason for attribution	Bibliografia	
DIFFERENT ATTRIBUTIONS		
Author	Luini Bernardino, scuola ^{(VIAF) (VLAN) (I}	
Reason for attribution	Asta Christie's (1994)	
DATING		
Century	sec. XVI	
Dates (from – to)	1500 - 1535	
LOCATIONS		
Last known	Asta Christie's, New York (NY) (New Y	
Precise location	18 maggio 1994, n. 206	

THE SEMANTIC WEB

- SEC. XVI - TRE GRAZIE

OBJECT	
Object	positivo
Number of elements	1
Туре	m
BW/C - Material and technique	BN - gelatina ai sali d'argento/ carta baritata
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	del catalogatore
	insieme
PHOTOGRAPHER	
Author	Anonimo
Reason for attribution	n.r.

AUTHOR Peruzzi Baldassarre [ULAN] [DBPEDIA] Author 1481/1536 Personal data Bibliografia Reason for attribution DIFFERENT ATTRIBUTIONS Luini Bernardino, scuola (VIAF) (ULAN) Author Asta Christie's (1994) **Reason for attribution** DATING Century sec. XVI Dates (from - to) 1500 - 1535 LOCATIONS Asta Christie's, New York (NY) (New Last known 18 maggio 1994, n. 206 Precise location

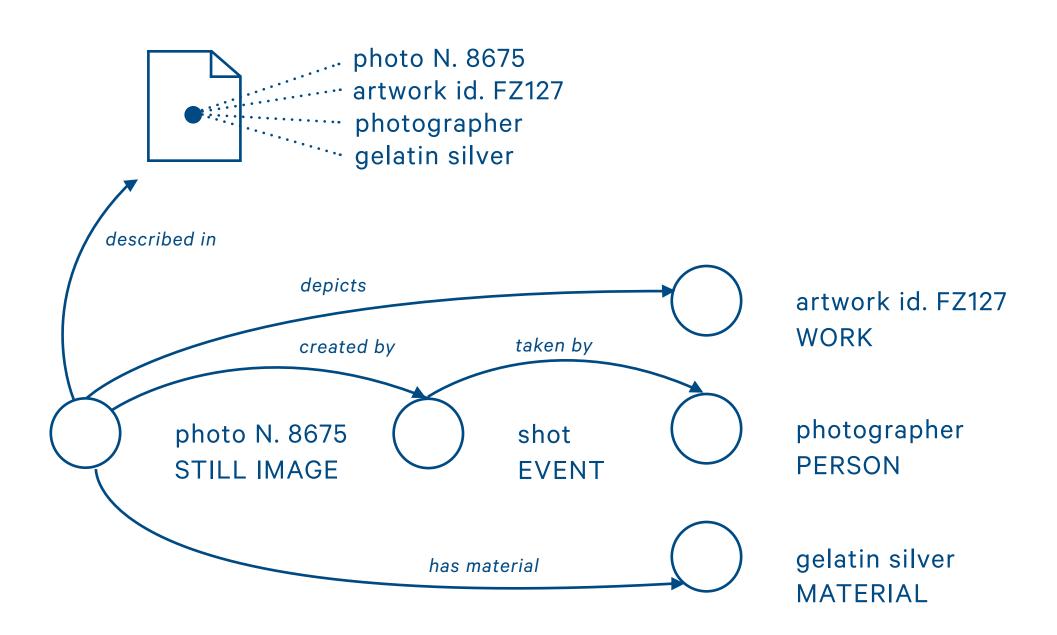


the photograph is a gelatine silver print

machine-readable data linked by meaningful relations



from a flat/ tree data structure to a graph representation

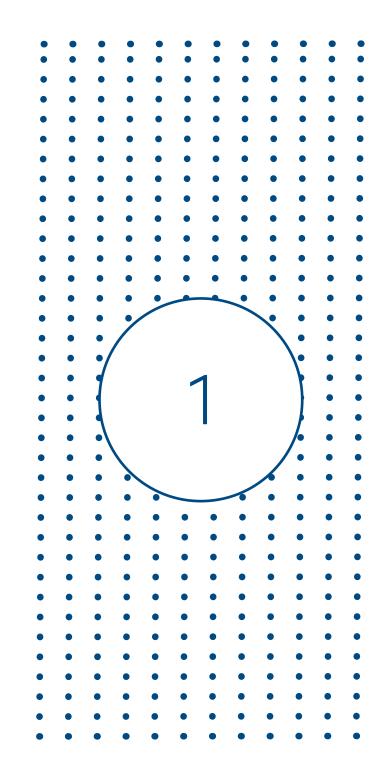


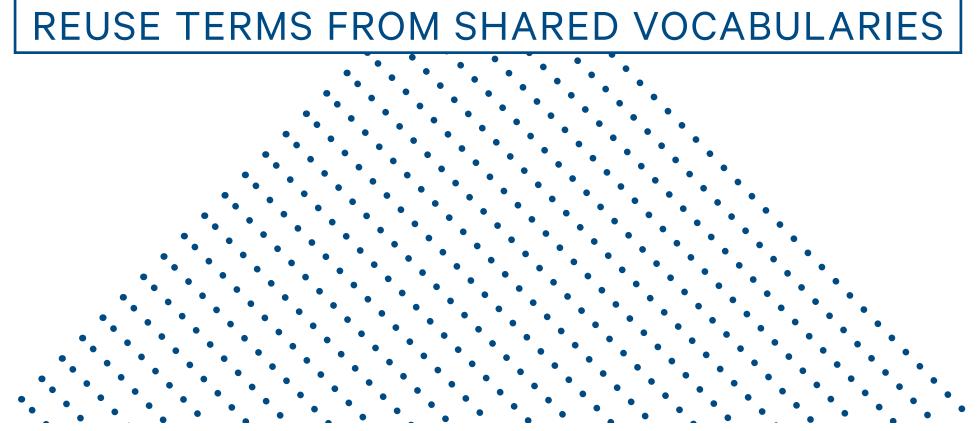
IDENTIFY

persistent URIs for identifying concepts rather than documents

e.g. people, objects, materials, titles, subjects











ICONCLASS, AAT

identify subjects, materials, techniques



e.g. gelatin silver print
http://vocab.getty.edu/aat/300128695



ULAN, VIAF, TGN, geoNames

people, places, subjects again





e.g. Oxford (1 out of 17) http://www.geonames.org/2640729

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ALIGN RECORDS BETWEEN DATA SOURCES

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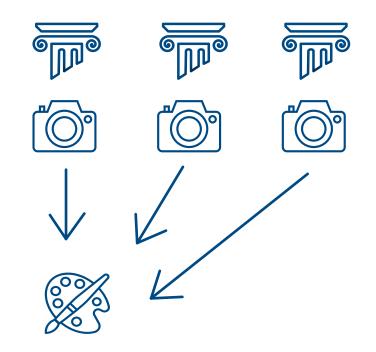
- open data now!

WIKIDATA, DBPEDIA, others

link same objects in different places



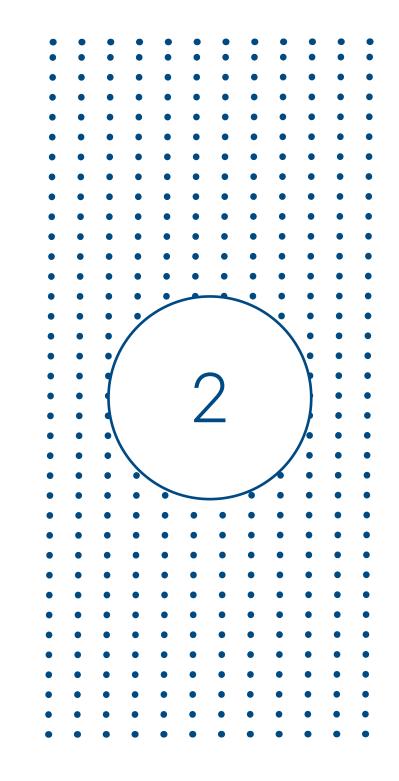
e.g. "Peruzzi Baldassarre, Three Graces" in Zeri photo archive, Berenson Library, Frick Art Reference Library



INTEGRATE

semantic and technical interoperability allows to aggregate data sources



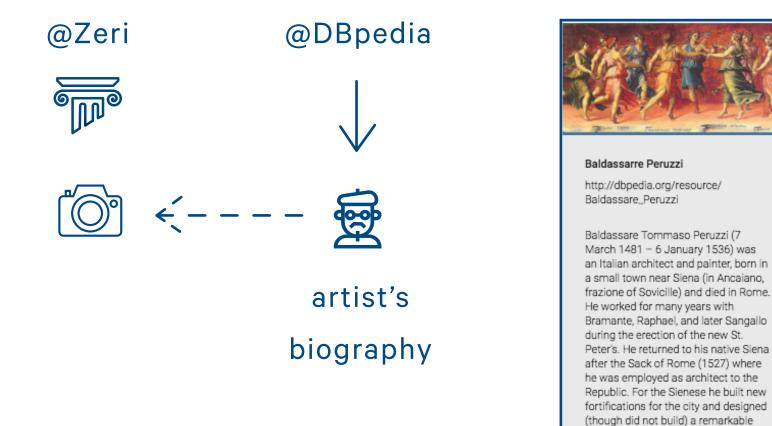




gather data from other sources and save time

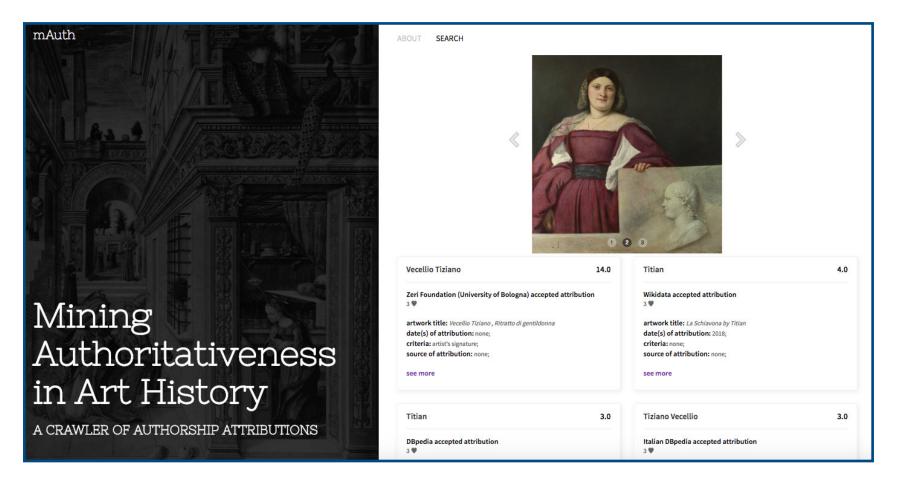
dam on the Bruna River near Giuncarico. He seems to have moved back to Rome permanently by 1535.

@en





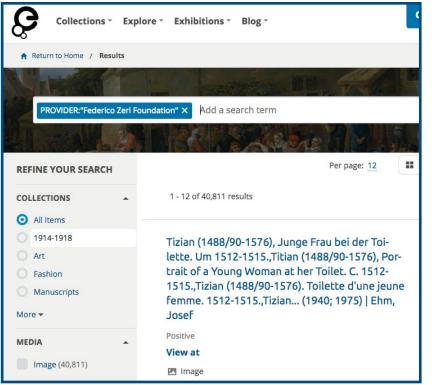
compare data sources to update data and speed-up the cataloguing process

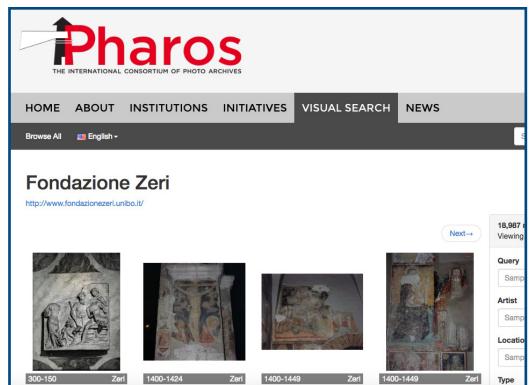


harvester of authorship attributions from photo archives



create several access points to your data and increase discoverability of collections





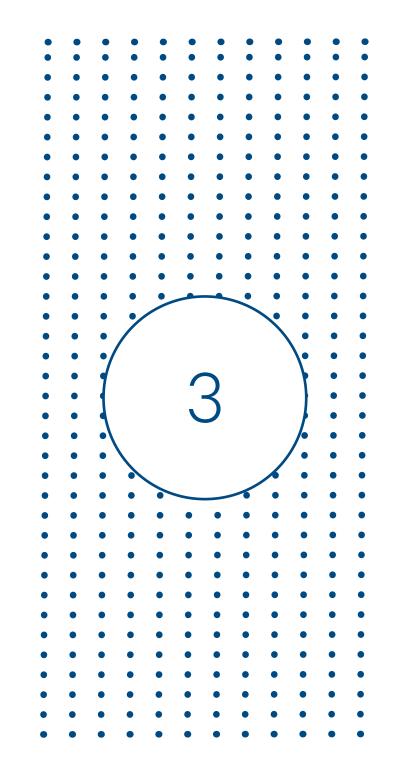
Europeana includes Zeri's LOD

PHAROS includes Zeri's images and will include Zeri's LOD

CREATE

develop expressive services and discover latent knowledge







mix data from different sources to create new applications

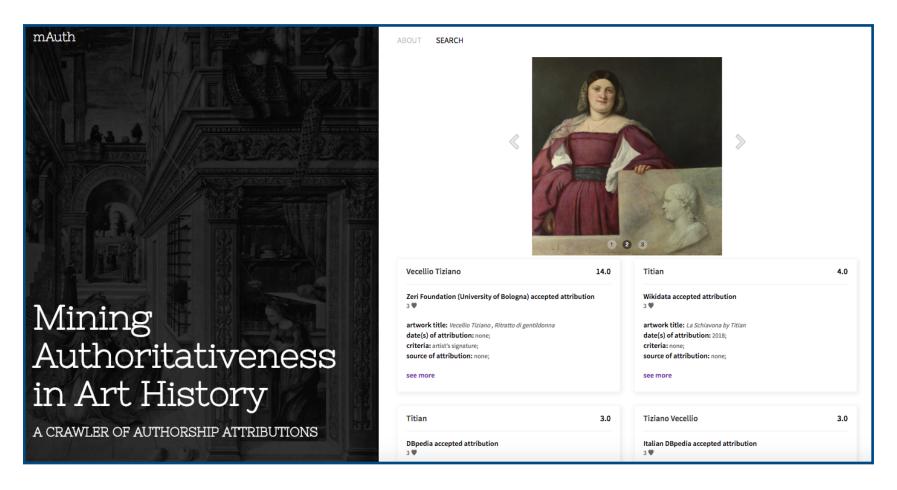
dati.beniculturali.it	
Pinacoted	ca nazionale di Bologna
	urali.it/mibact/luoghi/resource/CulturalInstituteOrSite/20150
rdfs:comment	EN IT
ors comment	La <u>Pinacoteca nazionale</u> ha sede nell'ex noviziato gesuita di Sant'Ignazio. Il museo, oggi completamente rinnovato (1997) nelle sue strutture secondo i più moderni criteri conservativi e museografici, offre ai visitatori un affascinante percorso attraverso la pittura emiliana dal XIII al XVIII secolo. Entrata a far parte delle più importanti raccolte d'arte europee, la pinacoteca nacque nel 1808 come quadreria dell'Accademia di Belle Arti e divenne museo autonomo nel 1882. Per il Trecento si segnalano opere di Vitale, dello Pseudo Jacopino, di Simone dei Crocefissi e di Jacopo di Paolo, di Giotto e di Lorenzo Veneziano, oltre ad una delle più vaste raccolte nazionali di affreschi trecenteschi staccati (come ad esempio quelli provenienti dalla Chesa di Mezzaratta). Nella sezione rinascimentale dipiti dei Vivarini, del Cossa e del Costa, di Perugino e di Raffaello a precedere i capolavori del Parmigianino e di Tiziano. La ricchissima sezione secentesca propone le sale dedicate ai tre Carracci ed a Guido Reni, Guercino, Domenichino e Tiarini. Il percorso si conclude con opere del Settecento emiliano (Crespi, Creti, Gandolfi). Al piano superiore è il Gabinetto dei Disegni e delle Stampe, ricco di migliaia di pezzi, consultabili a richiesta.
	Veu(strianu Vepair

Italian Ministry of Cultural Heritage reuses Zeri's data

psss! we can reuse their data as well!



mix data from different sources to create new applications



provide tools for supporting the decision-making process of users

INFERENCE



reuse internal (or external)* information for making new hypotheses

identify photographers' names in time in the Zeri's authority file

https://w3id.org/zericatalog/name/anderson-roma/1853-1960 https://w3id.org/zericatalog/name/james-anderson/1853-1877 https://w3id.org/zericatalog/name/stab-d-anderson/1877-1938 https://w3id.org/zericatalog/name/d-anderson/1877-1938 https://w3id.org/zericatalog/name/guglielmo-anderson/1938-1960 https://w3id.org/zericatalog/name/alessandro-anderson/1938-1960 https://w3id.org/zericatalog/name/giorgio-anderson/1938-1960

define rules for automatically attributing the date of a **new*** photo recording one of those forms of name

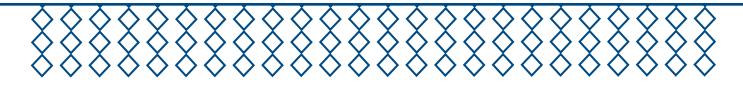
LINKED OPEN DATA

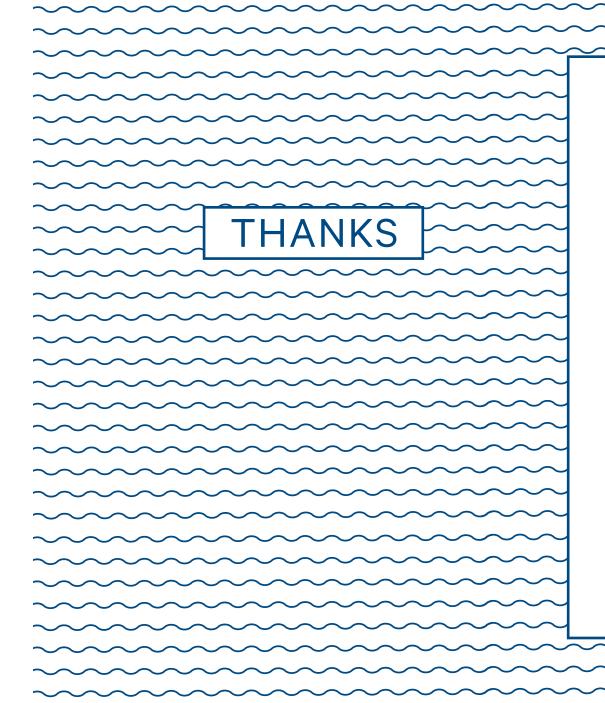
CONCLUSION

- 1 leverage external sources for your purpose
- 2 facilitate other to reuse your data > gain visibility

EXCHANGE AND CREATE KNOWLEDGE

3 discover new knowledge





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