Borse di studio GARR
Orio Carlini

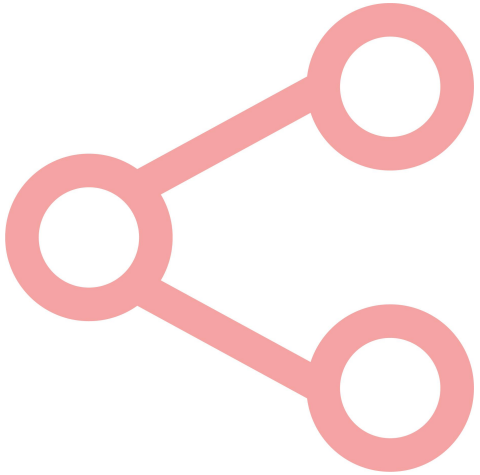
Contributi digitali per la rinascita e la divulgazione di architetture abbandonate

Il caso studio del complesso di Sant'Agostino a Fabriano

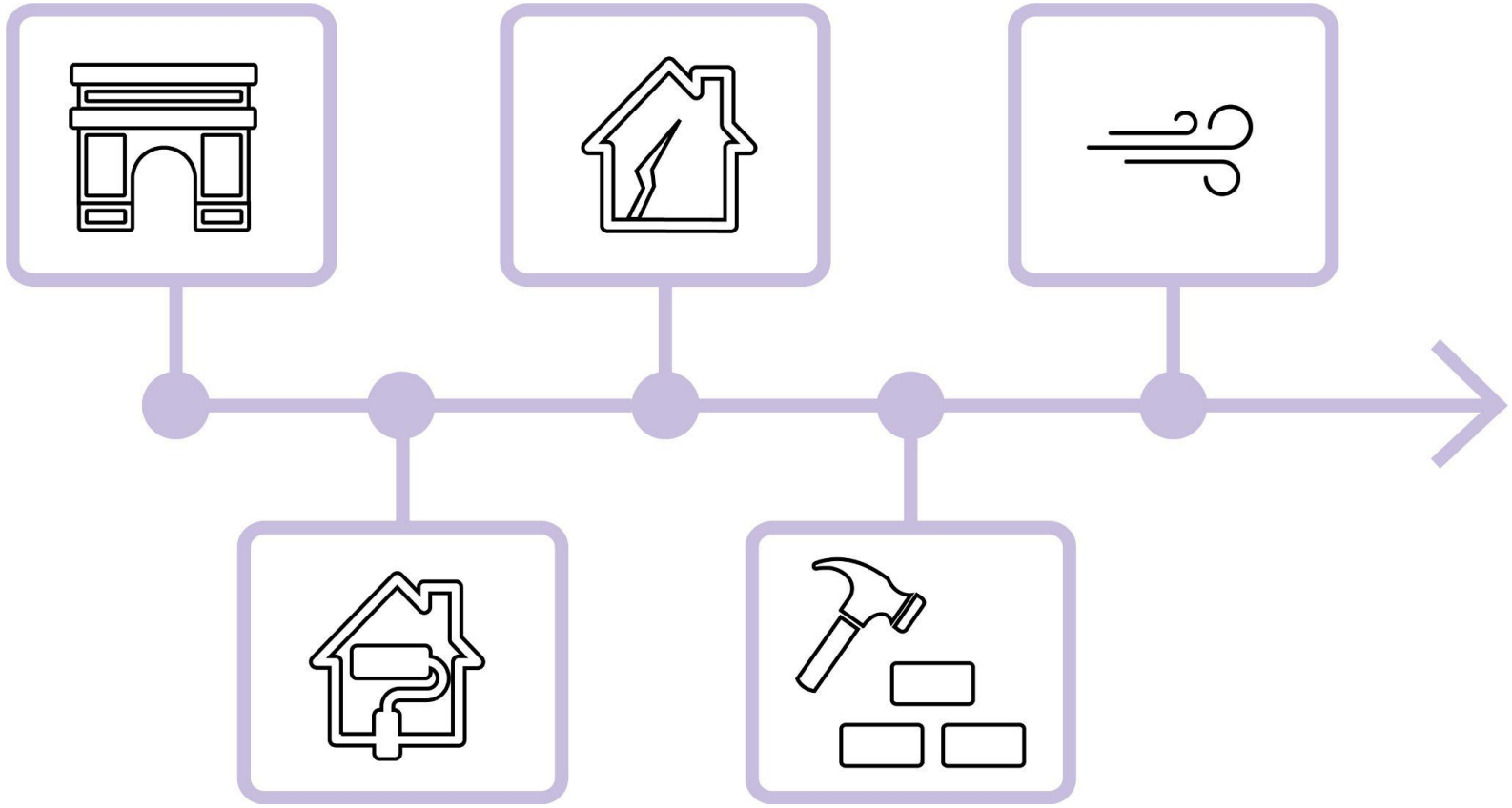
Consortium GARR
THE ITALIAN EDUCATION & RESEARCH NETWORK

COSA POSSIAMO FARE PER PROMUOVERE IL PATRIMONIO CULTURALE A RISCHIO?

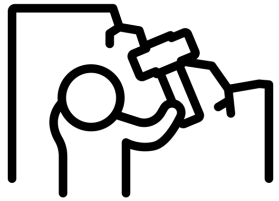
CONDIVISIONE E DISSEMINAZIONE



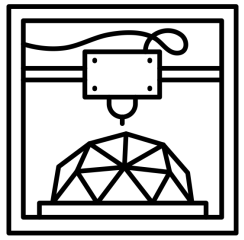
ARCHITETTURE MUTEVOLI



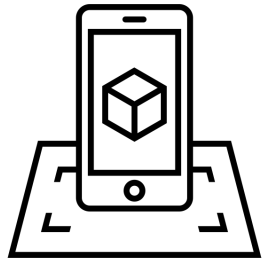
OBIETTIVI



RICOSTRUZIONE DIGITALE



MODELLI 3D TATTILI



REALTÀ AUMENTATA

ARCHIVIO DIGITALE

LA CHIESA DI SANT'AGOSTINO

L'ORATORIO DEI BEATI BECCHETTI

IL GRUPPO SCULTOREO

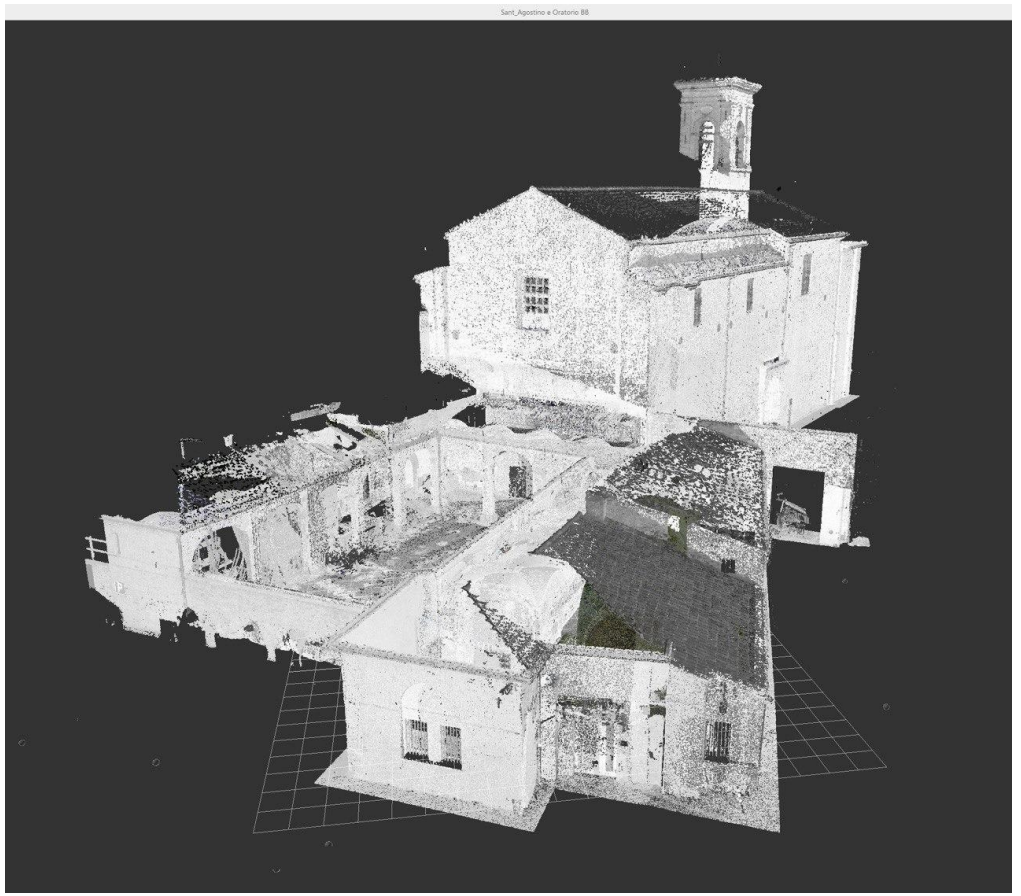
Pinacoteca Civica
Bruno Molajoli,
Fabriano

2016: SISMA

DIGITAL TWIN

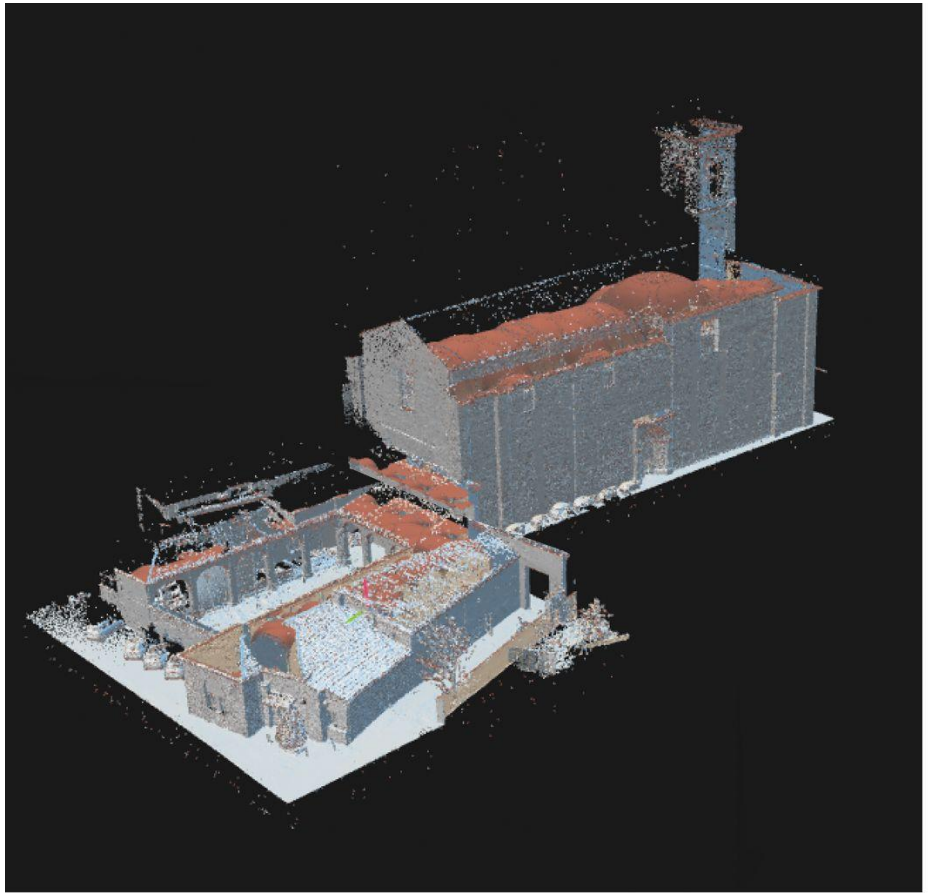
Campagna di rilievo digitale

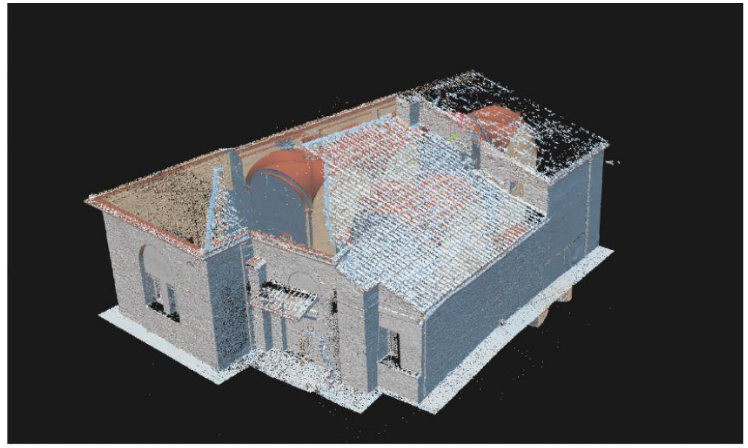
Nuvola di punti

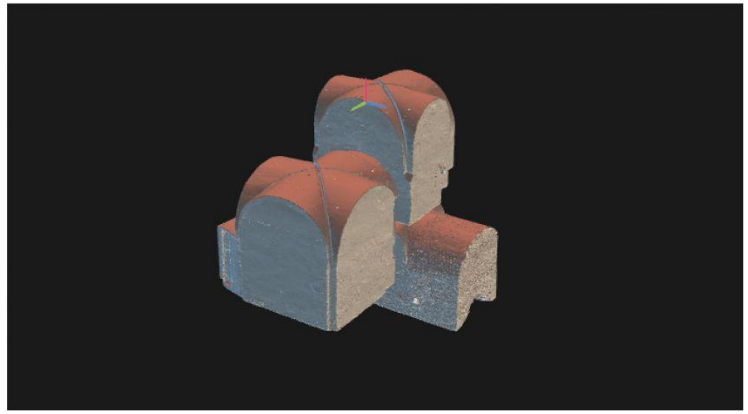


ELABORAZIONE DEI DATI

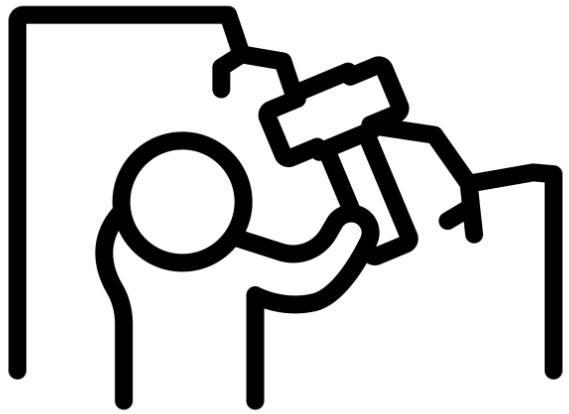
Suddivisione complesso nelle sue parti - Elaborazione della mesh





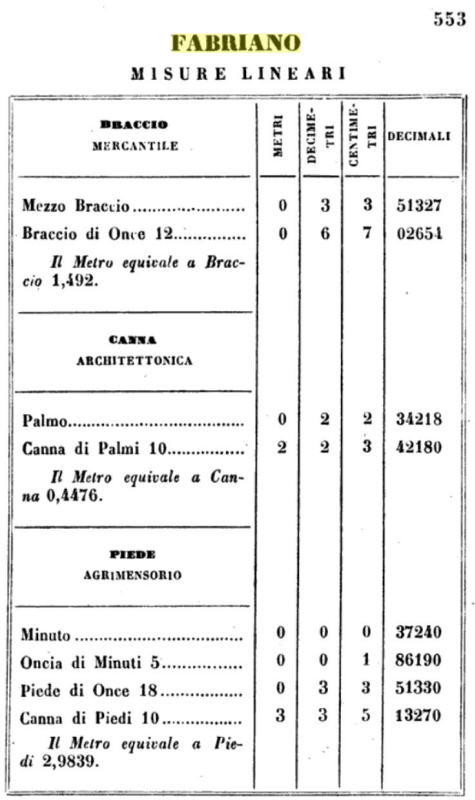


RICOSTRUZIONE DIGITALE



STUDIO DEL COMPLESSO

Analisi delle fonti storiche

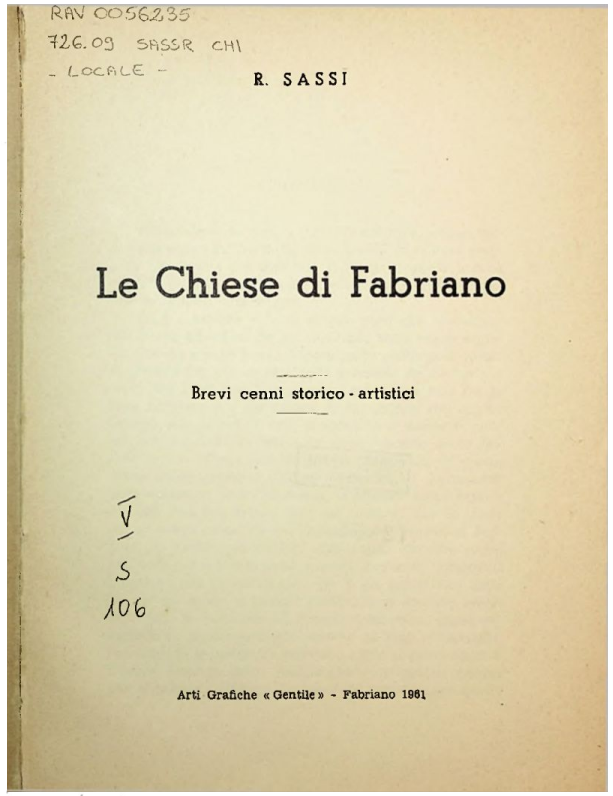


553

FABRIANO

MISURE LINEARI

BRACCIO MERCANTILE	METRI	DECIMETRI	CENTIMETRI	DECIMALI
Mezzo Braccio	0	3	3	51327
Braccio di Once 12	0	6	7	02654
Il Metro equivale a Braccio 1,492.				
CANNA ARCHITETTONICA				
Palmo	0	2	2	34218
Canna di Palmi 10	2	2	3	42180
Il Metro equivale a Canna 0,4476.				
PIEDE AGRIMENSORIO				
Minuto	0	0	0	37240
Oncia di Minuti 5	0	0	1	86190
Piede di Once 18	0	3	3	51330
Canna di Piedi 10	3	3	5	13270
Il Metro equivale a Piedi 2,9839.				



RAV 0056235
726.09 SASSR CHI
- LOCALE -

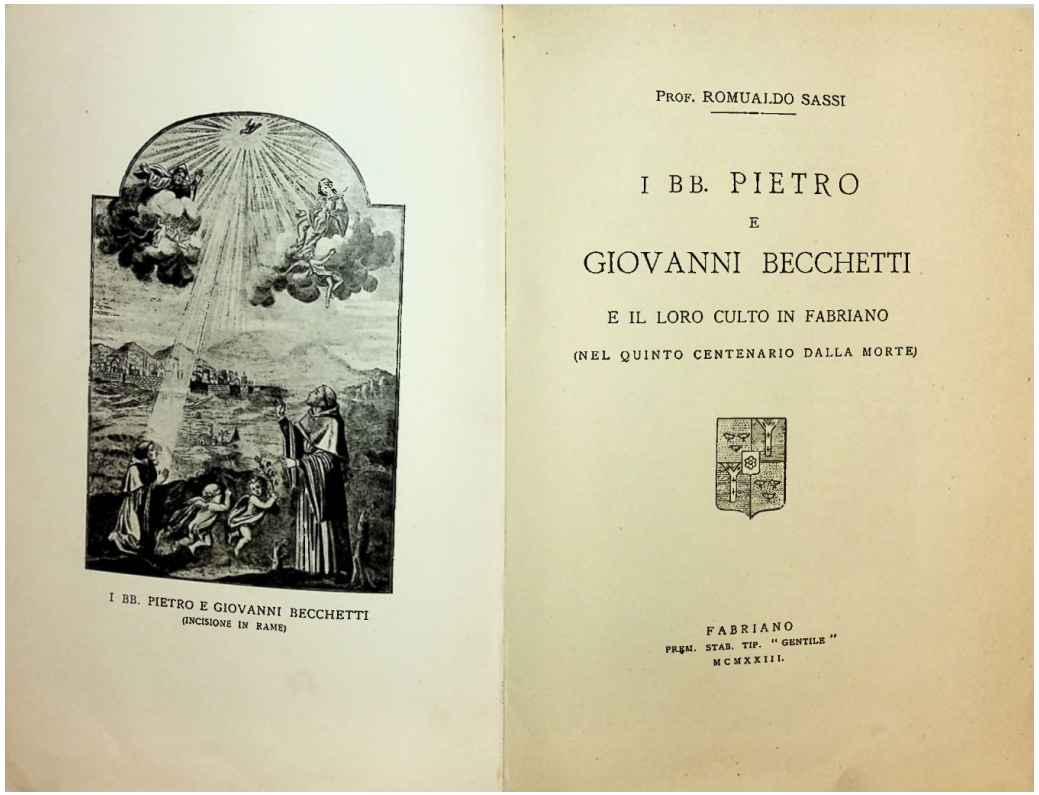
R. SASSI

Le Chiese di Fabriano

Brevi cenni storico - artistici

V
S
106

Arti Grafiche « Gentile » - Fabriano 1961



I BB. PIETRO E GIOVANNI BECCHETTI
(INCISIONE IN RAME)

PROF. ROMUALDO SASSI

I BB. PIETRO
E
GIOVANNI BECCHETTI

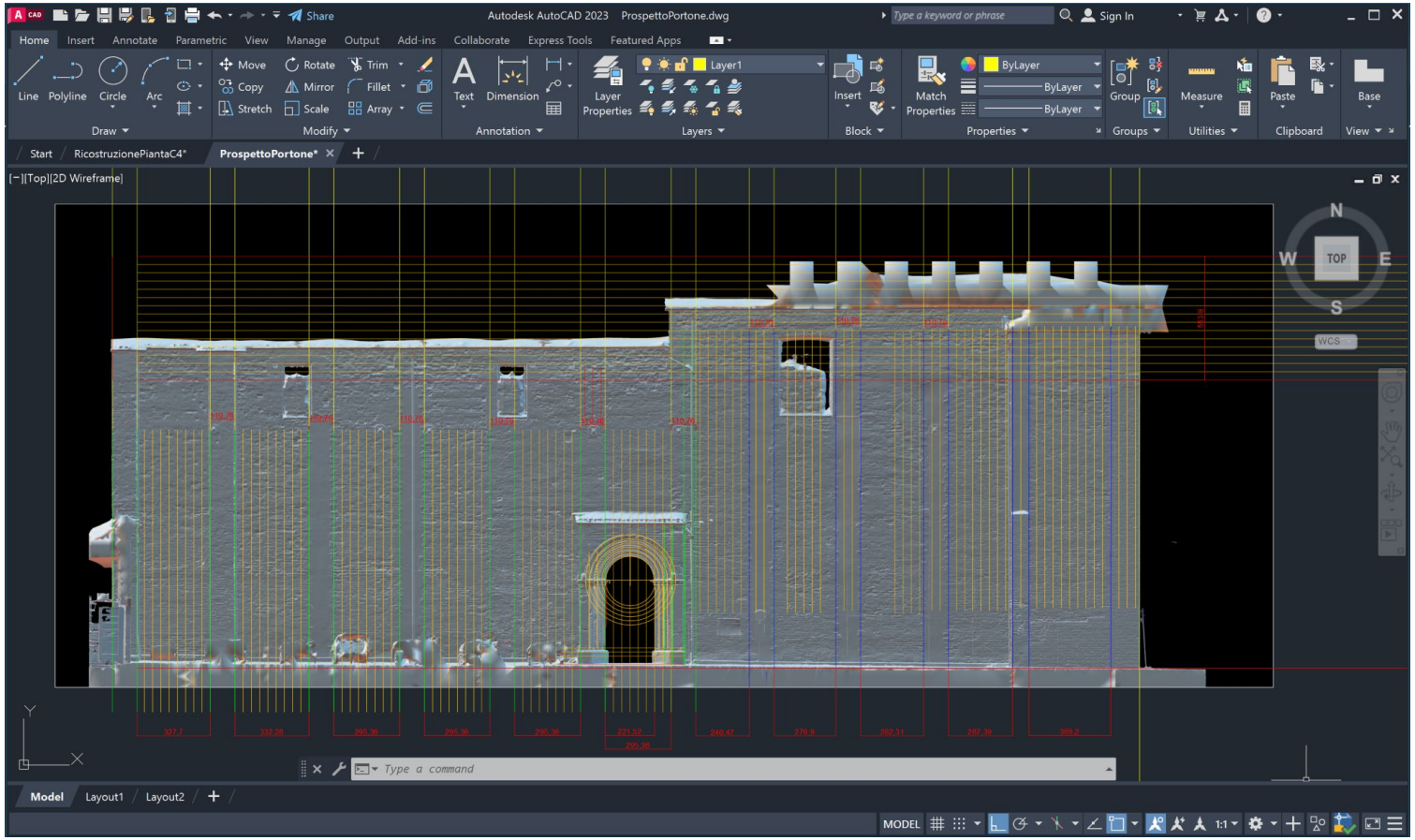
E IL LORO CULTO IN FABRIANO

(NEL QUINTO CENTENARIO DALLA MORTE)

FABRIANO
PREM. STAB. TIP. " GENTILE "
MCMXXIII.

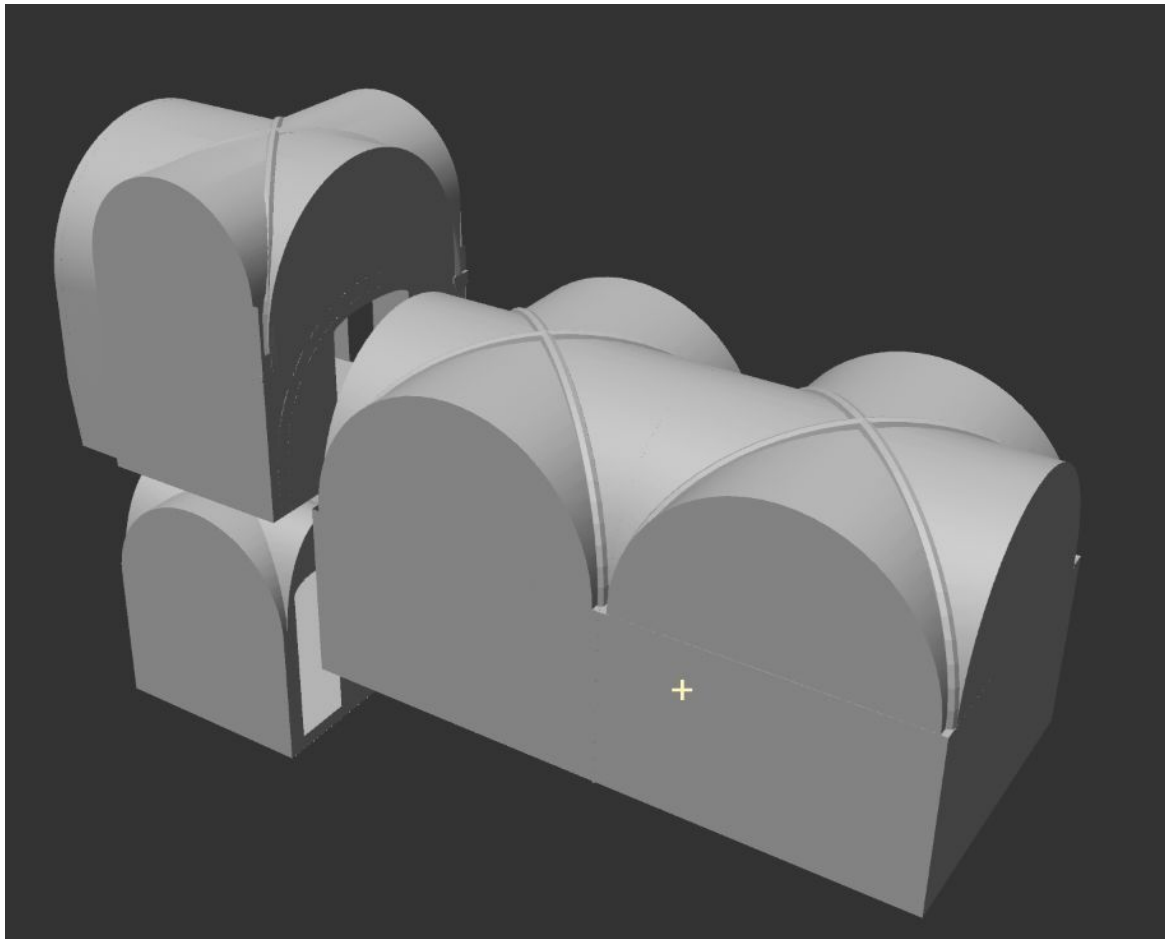
STUDIO DEL COMPLESSO

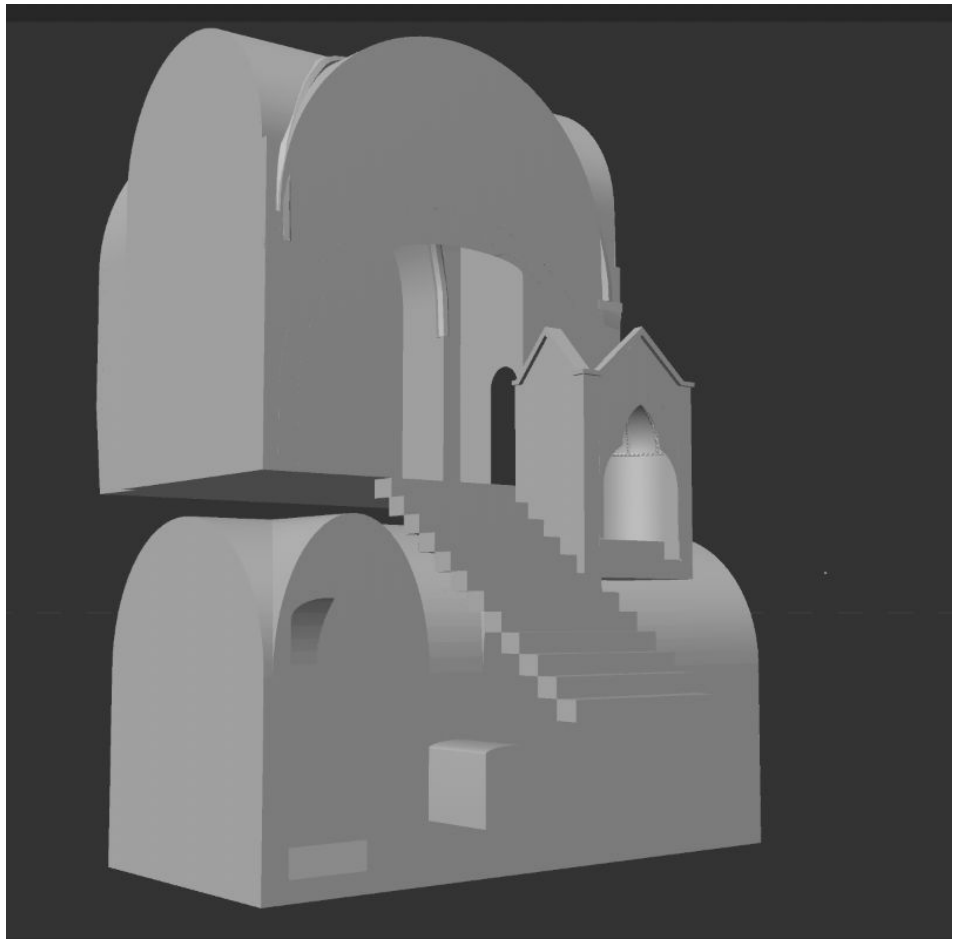
Analisi del modulo di costruzione dell'edificio



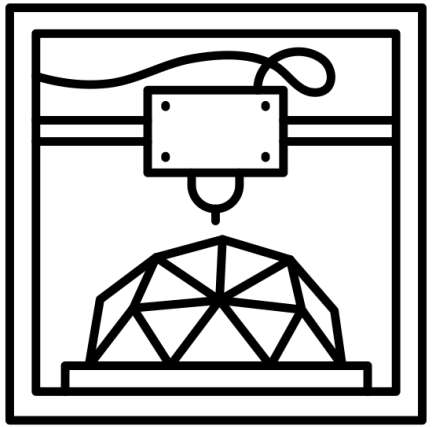
1 canna da terra = **36,92 cm**

MODELLAZIONE 3D





MODELLI 3D TATTILI

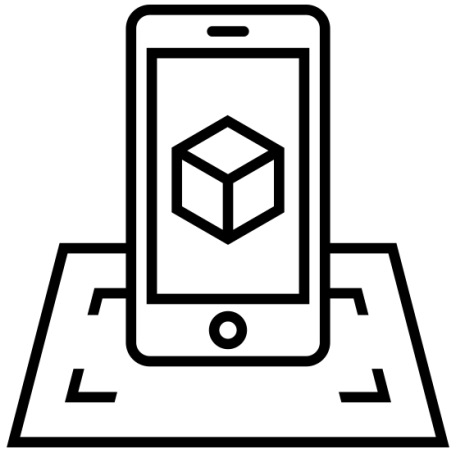


Modello 3D digitale

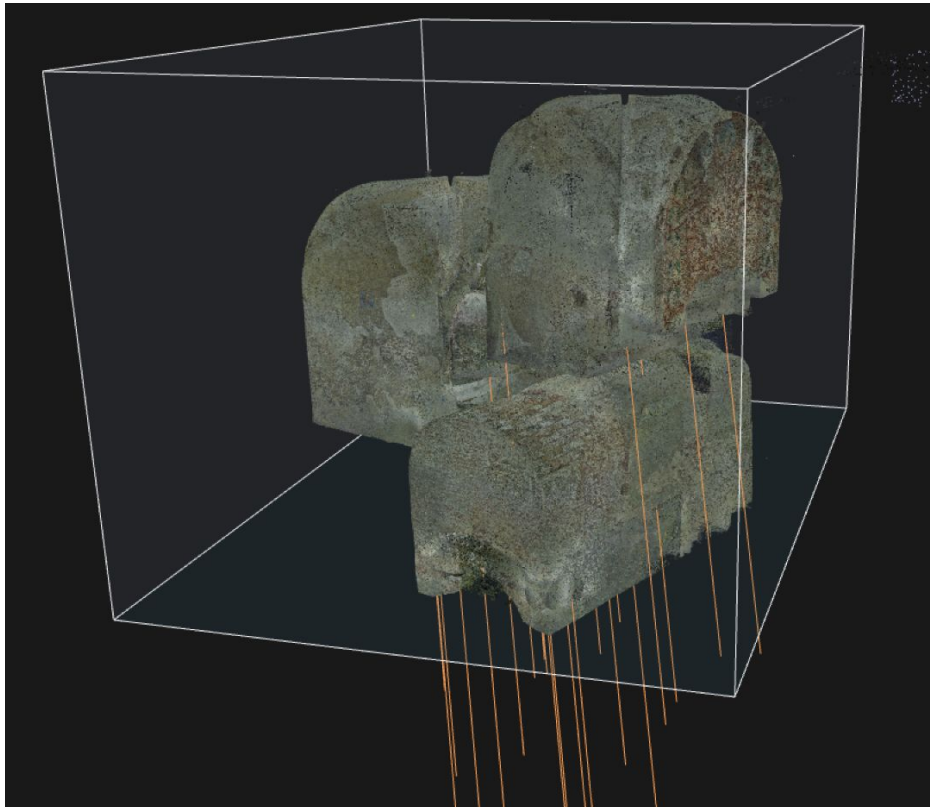
Stampa 3D

Modello 3D tattile

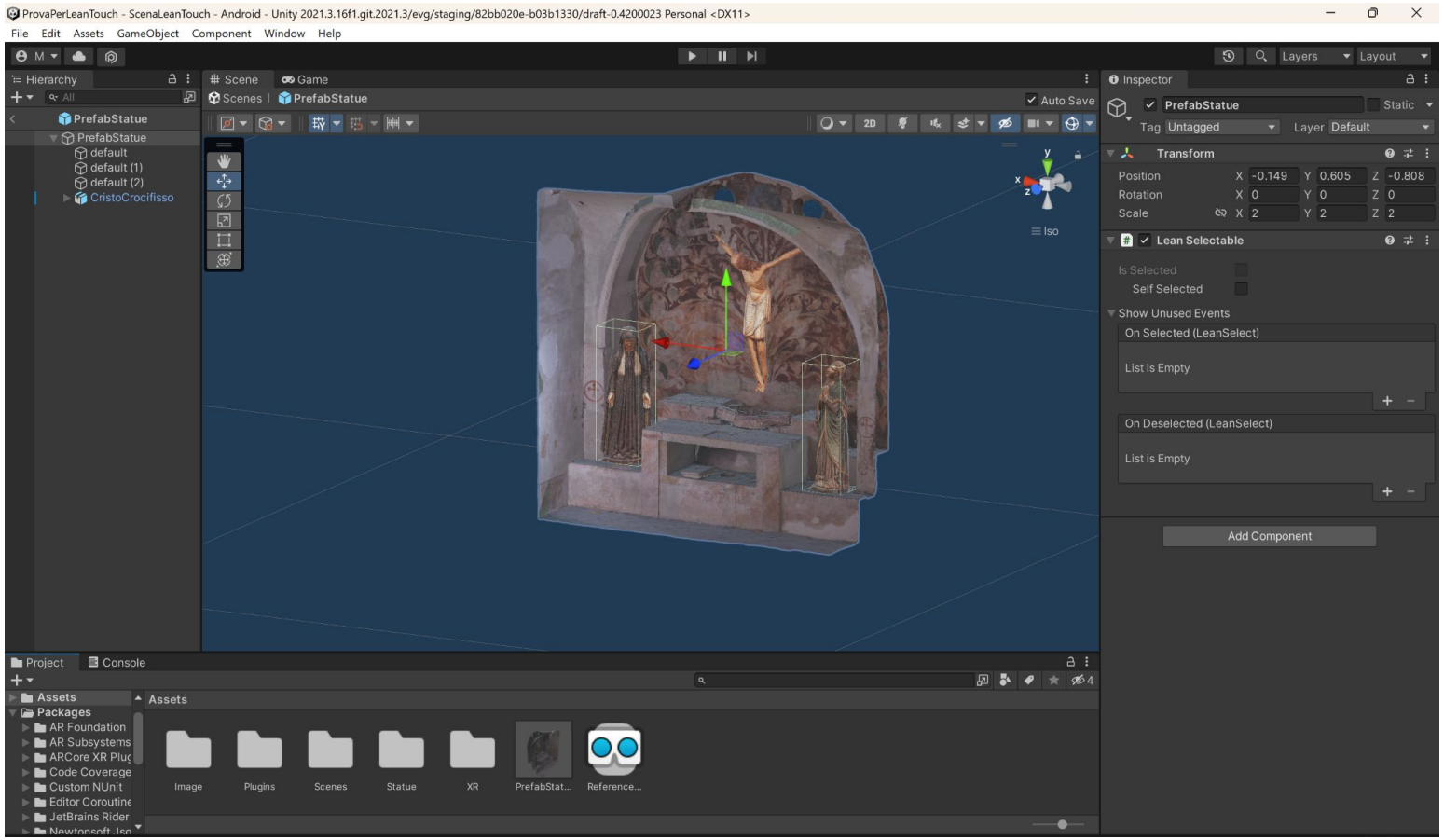
REALTÀ AUMENTATA (AR)



SVILUPPO APP AR

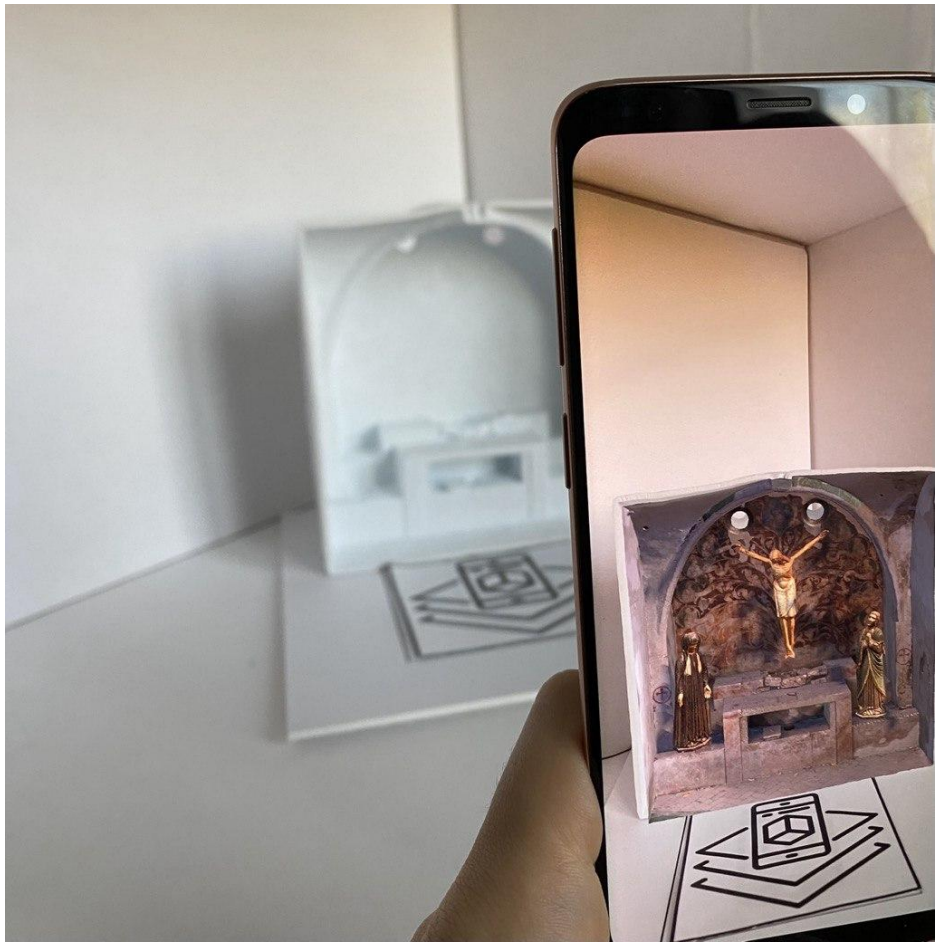


SVILUPPO APP AR



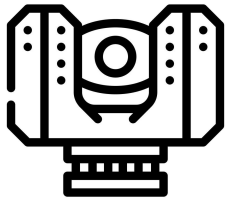
Sviluppo app AR, software Unity

SVILUPPO APP AR



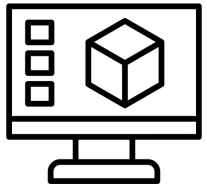
Tecnica image tracking.
Possibilità di muovere le statue per ipotizzare l'allestimento originario

WORKFLOW DEFINITO E REPLICABILE

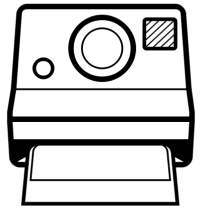


Rilievo digitale

Documentazione

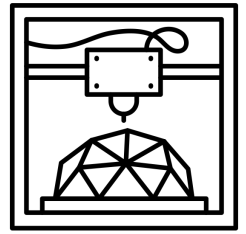


Modelli 3D digitali



Forme attuali

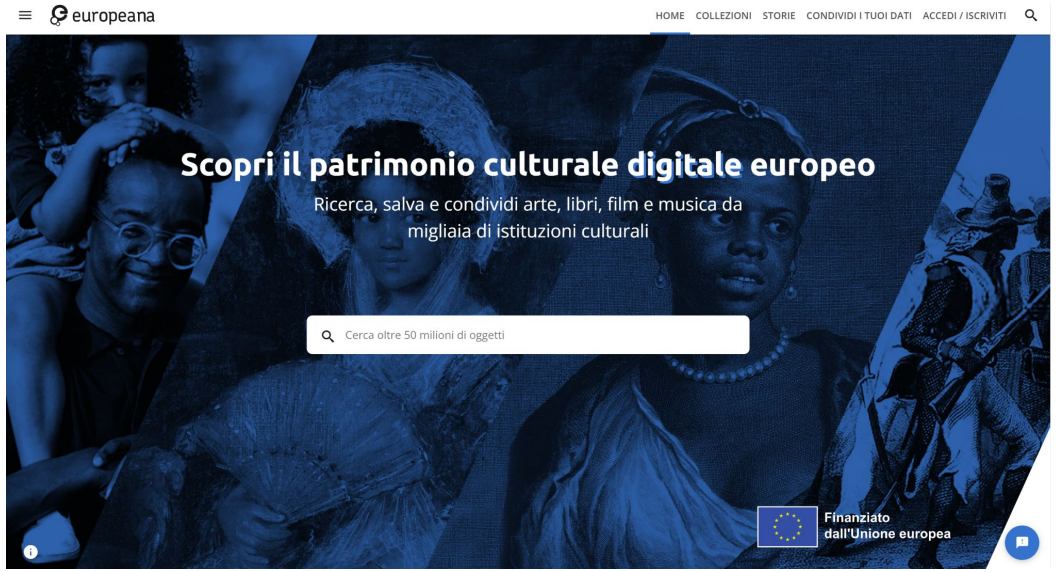
Ipotesi ricostruttiva



Modelli 3D tattili

PROSSIMI STEP

Creazione
archivio digitale

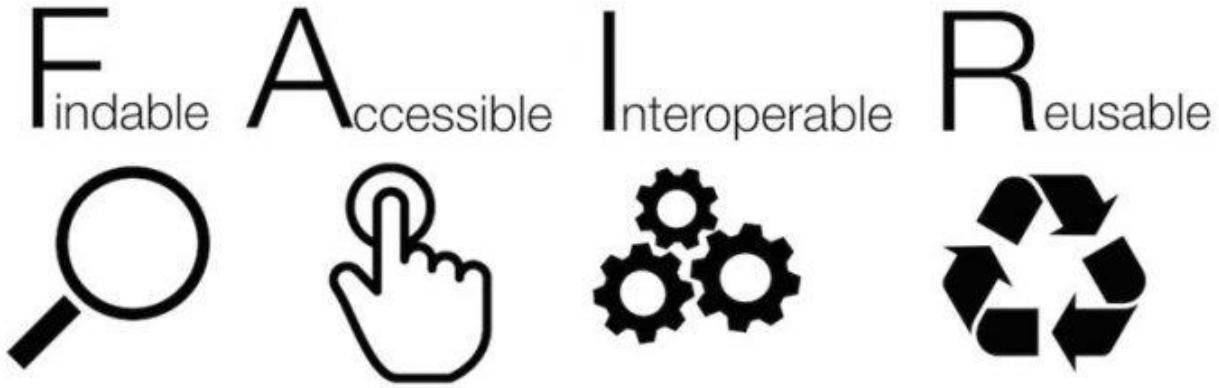


Compatibile con Europeana

PROSSIMI STEP

Utilizzo storage GARR

PROSSIMI STEP



Borse di studio GARR
Orio Carlini

“Il patrimonio culturale è una preziosa, ma fragilissima, eredità di cui ciascun cittadino è custode e fruitore.”

Irene Baldiga

Consortium GARR | THE ITALIAN EDUCATION & RESEARCH NETWORK