

NET



Building Information Modeling:
Innovazione e nuove frontiere per
infrastrutture e città sostenibili

UBIEP

28 Giugno 2019 – Polo Universitario di Viale
Pindaro Pescara

Procedure HBIM applicate al costruito storico: temi e problemi

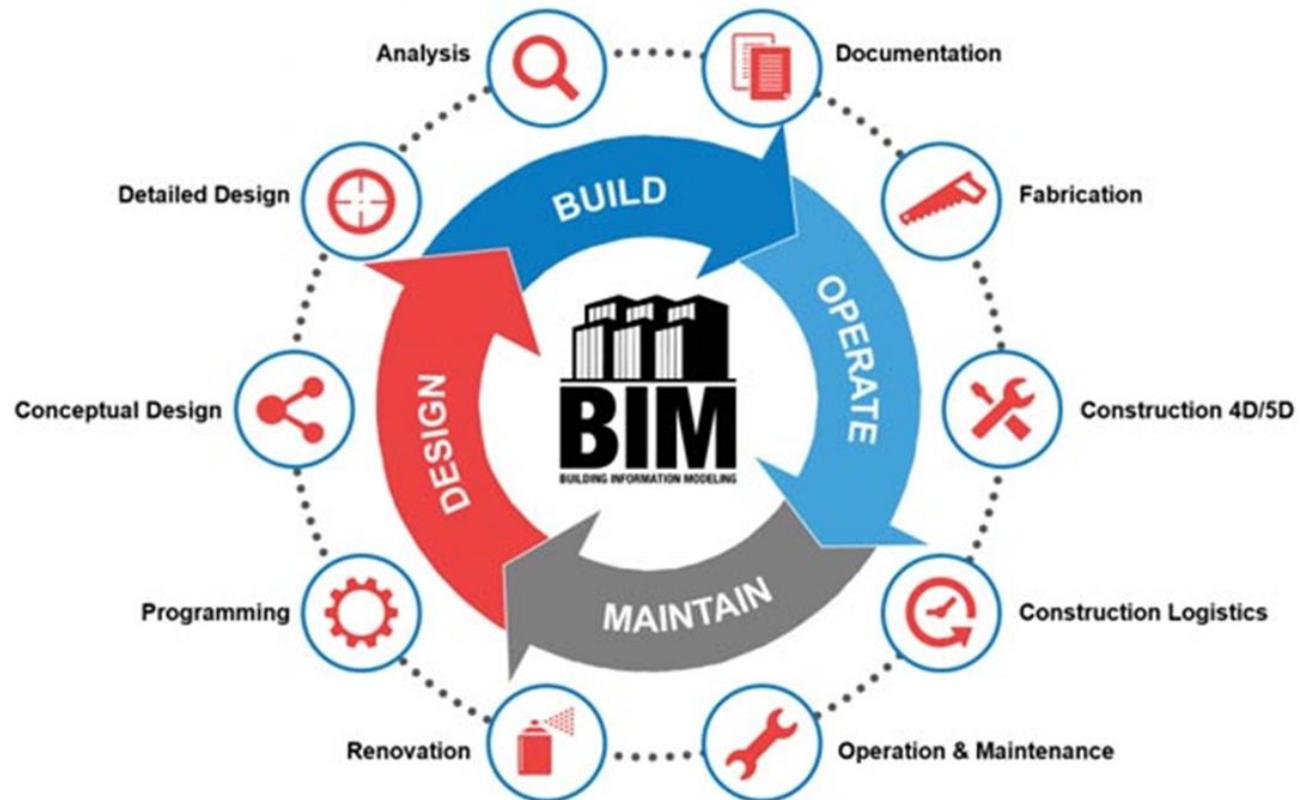
Stefano Brusaporci, Professore DICEAA Università degli Studi dell'Aquila



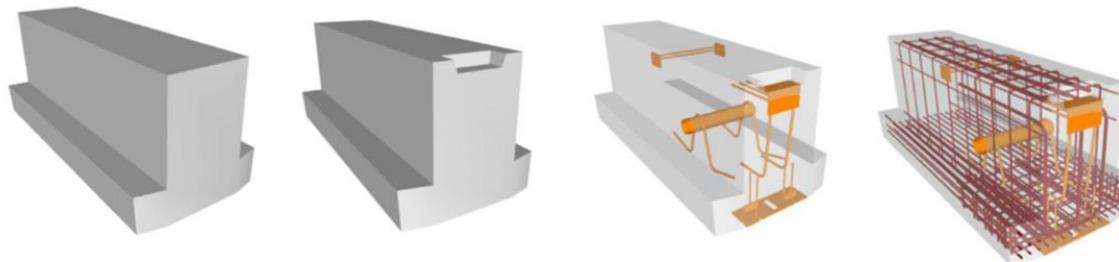
Co-funded by the Horizon 2020 programme
of the European Union



Procedura BIM



Procedura BIM



BIM / HBIM

1. 3D Modelling

2. DataBase

LoG

+

LoI

=

LoD

BIM

Procedure
dedicate a

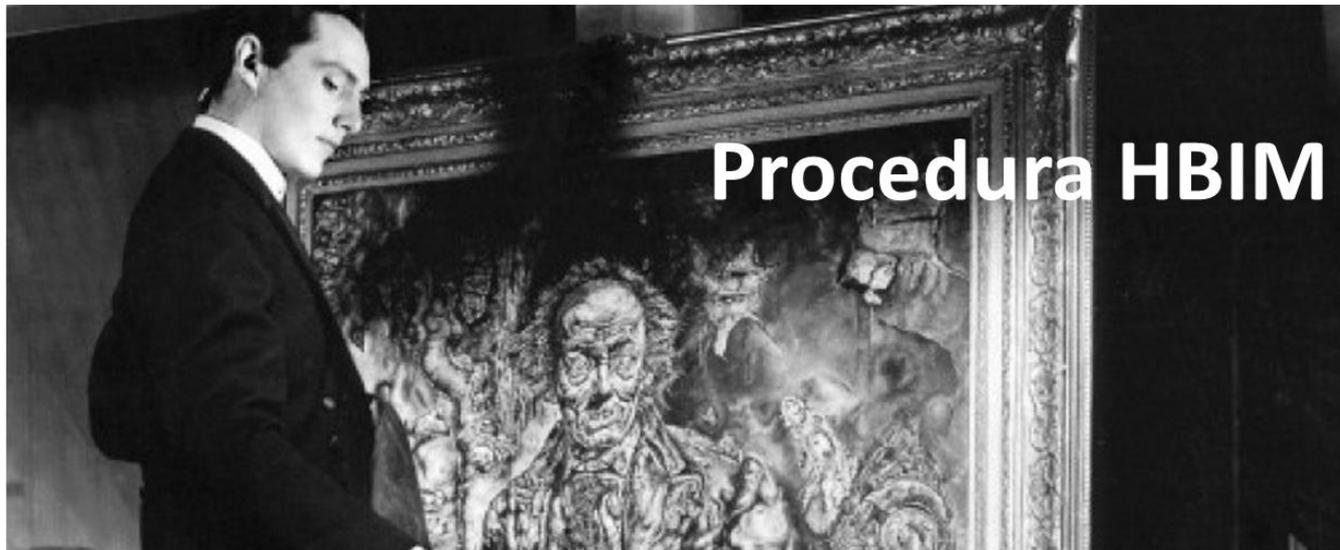
**edifici
NUOVI**

vs

HBIM

Procedure
dedicate a

**edifici
ESISTENTI**





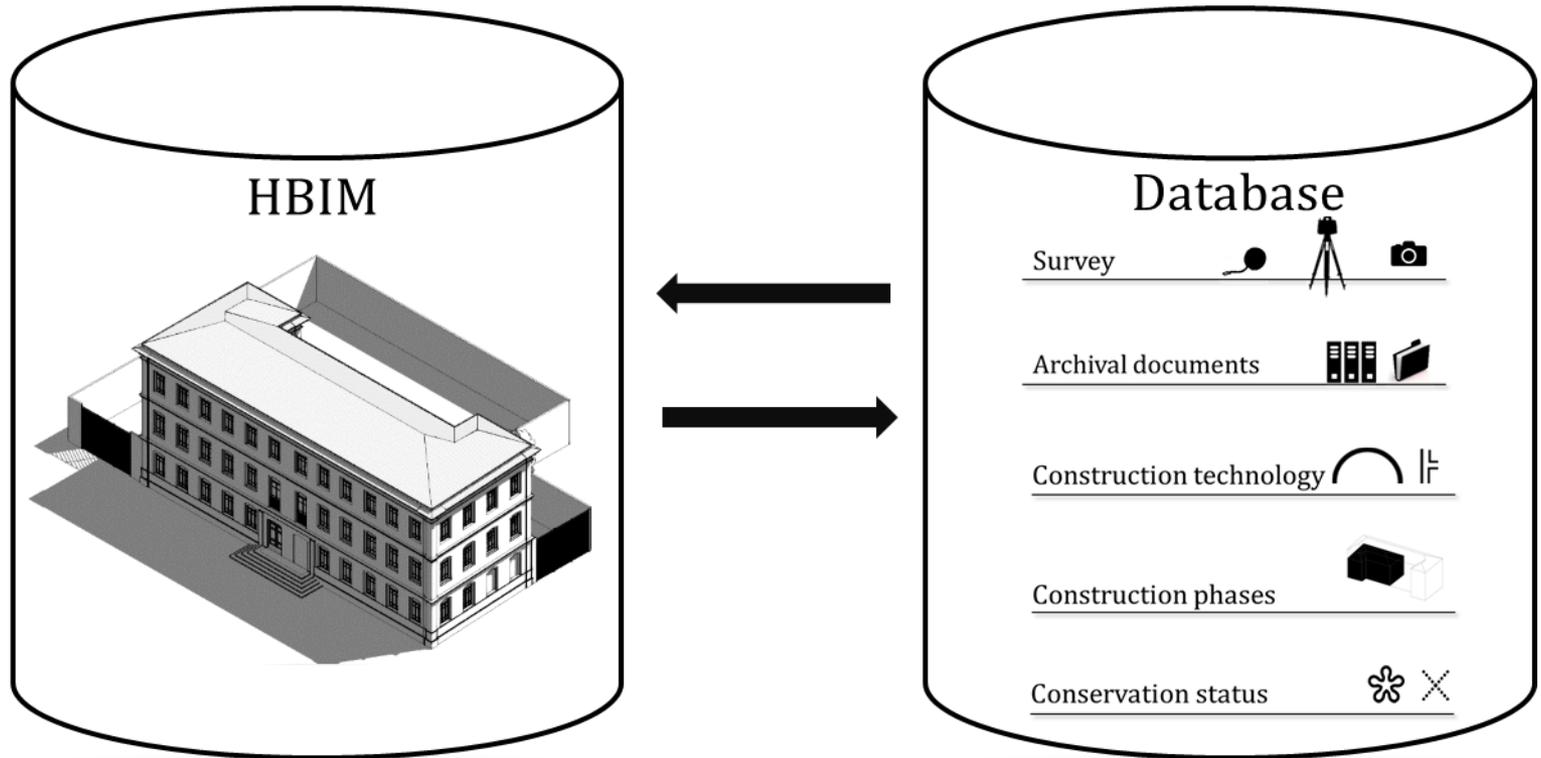
BIM
Parameterization

VS

HBIM
Craftsmanship

Use of parameterized
and typed objects,
deriving from libraries

Uniqueness of
historical
architecture





Modello HBIM → *LOD variabili*

Procedura BIM

Progetto

da Concept a As-Built

Modello Predittivo

Procedura HBIM

Rilievo

da Realtà
a As-It-(Should)-Be

Modello Interpretativo

Procedura BIM

≠

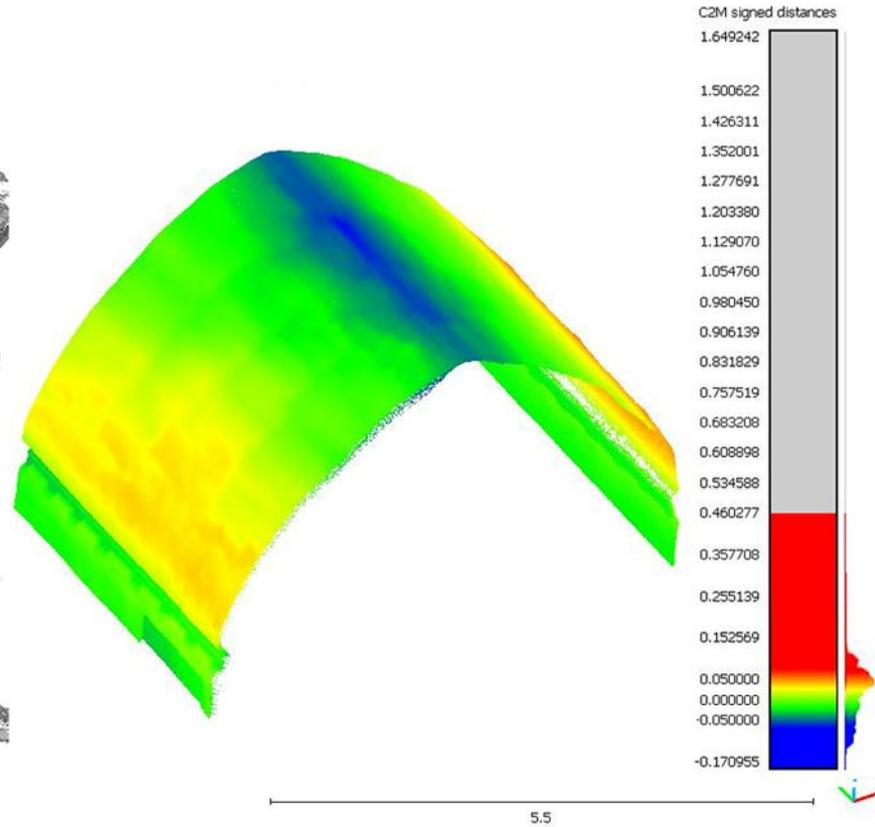
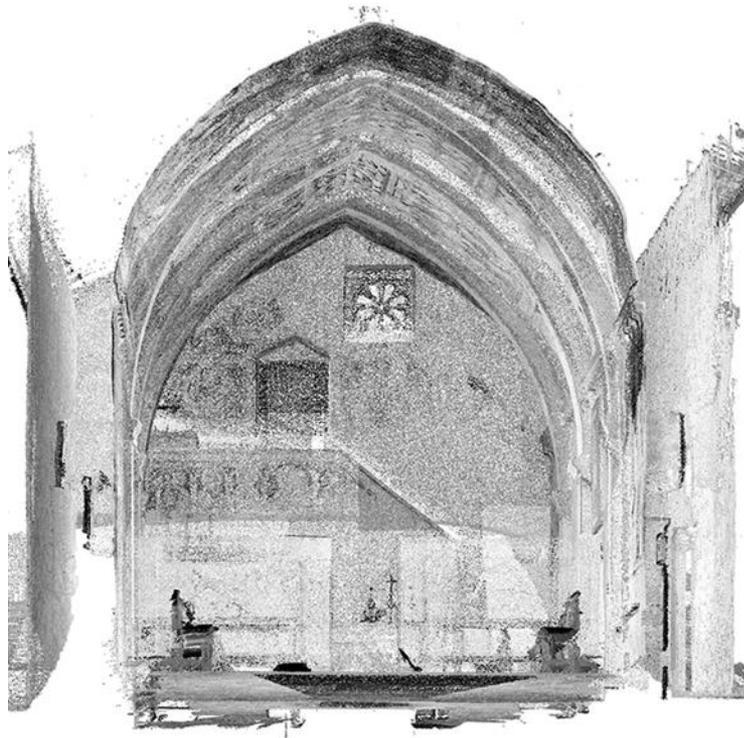
Procedura
HBIM

Trasparenza



Affidabilità

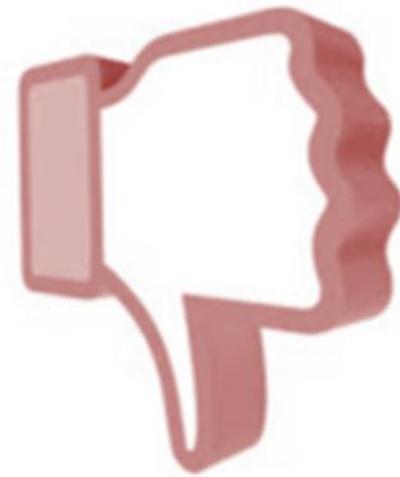






HBIM

?





HBIM

- **Modelli interoperabili**
- **Oggetti Computabili**

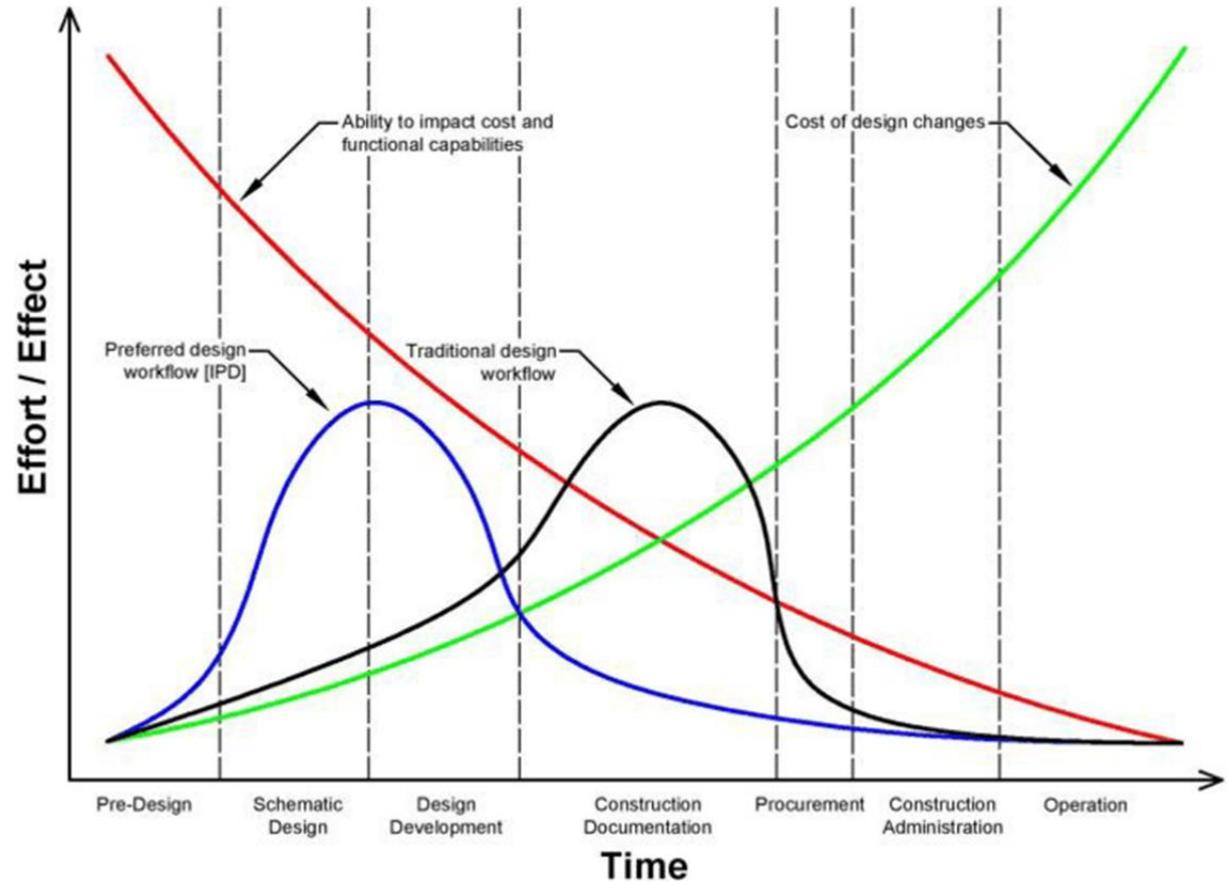


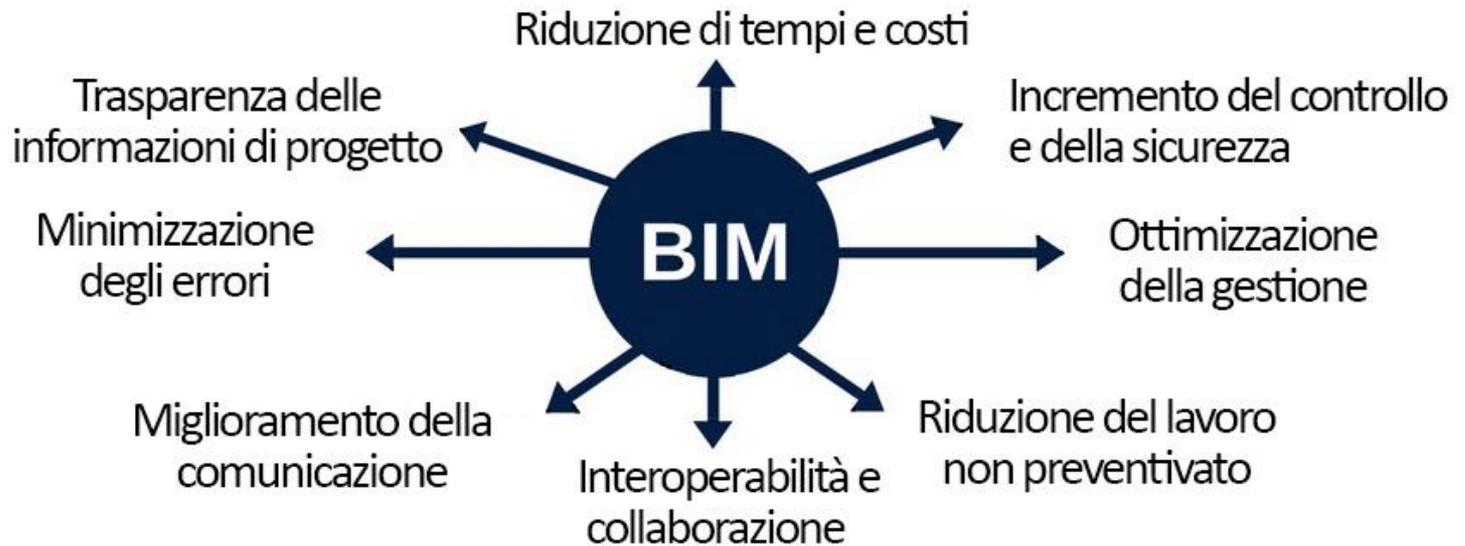
HBIM per il **PROGETTO**

(restauro, conservazione, manutenzione, gestione...)



The MacLeamy Curve



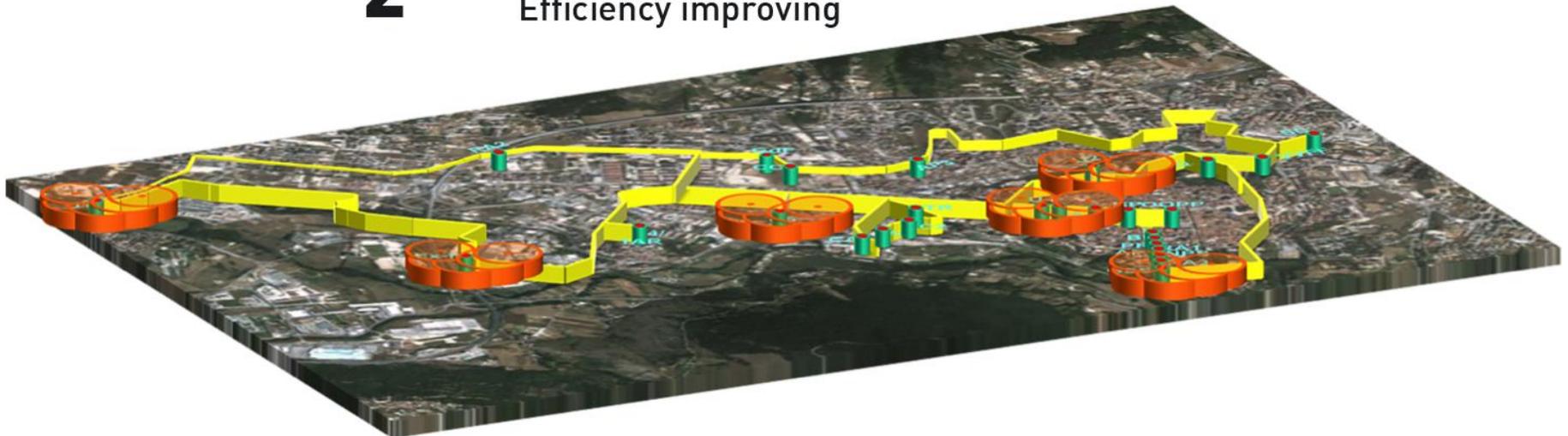


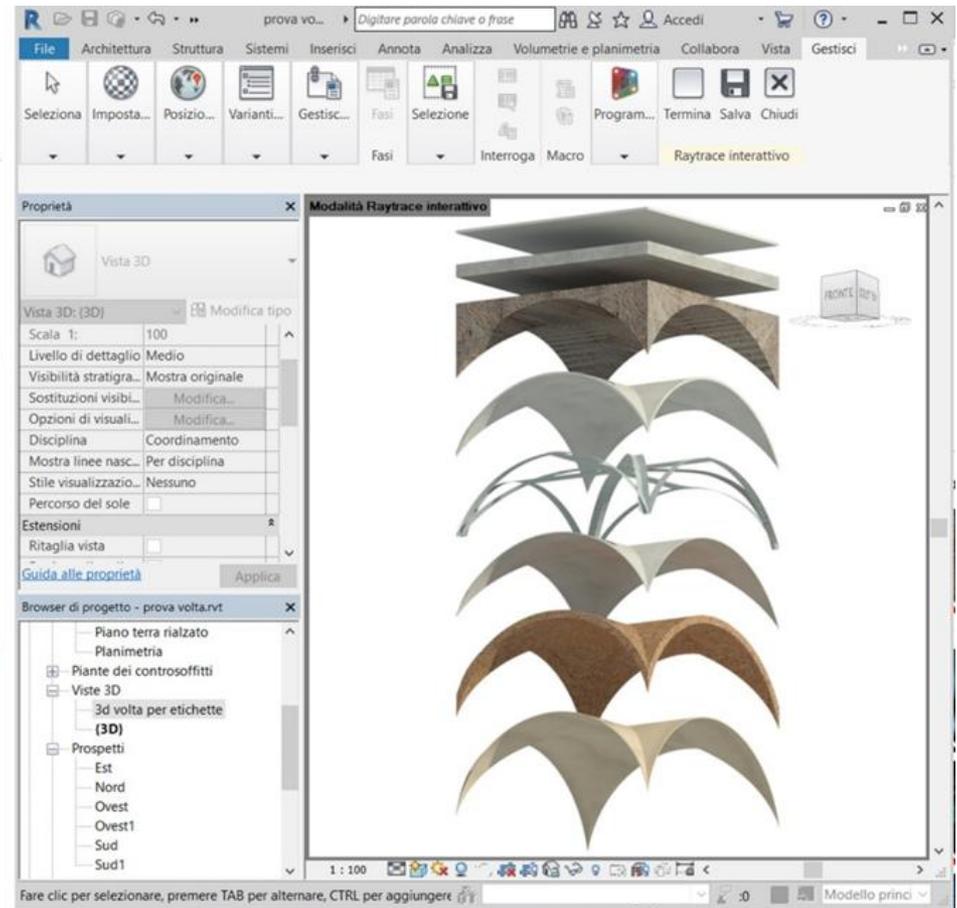
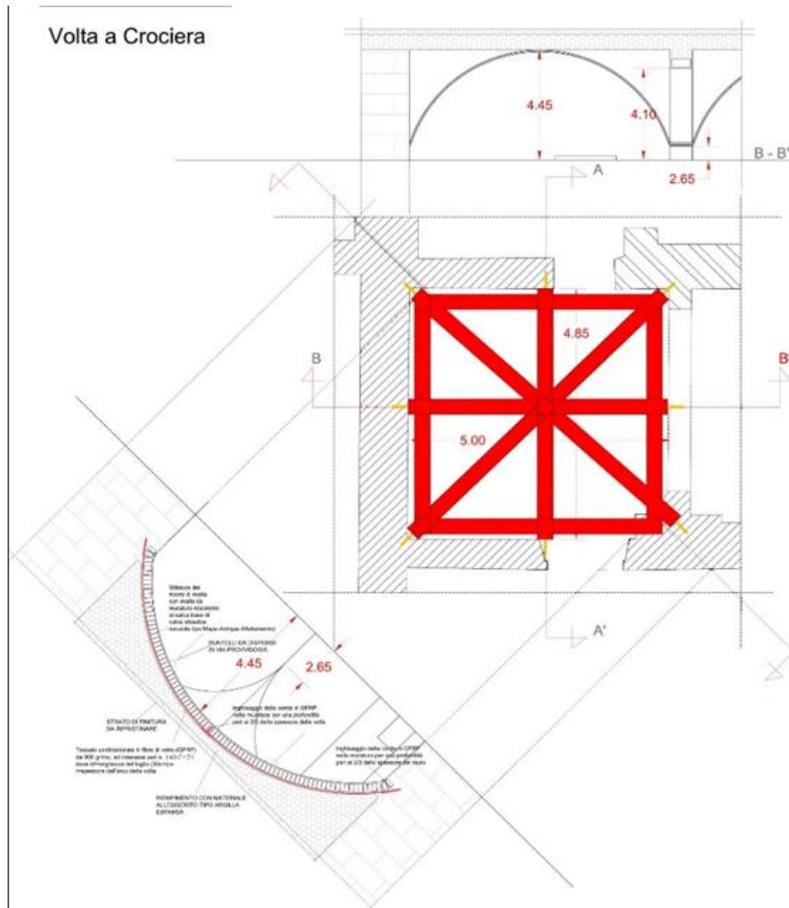
«L'Aquila Smart City»

1 Structural monitoring
of buildings

2 Building Automation and Energy
Efficiency improving

3 Enhancement of cultural heritage
through ICT





CONVENZIONE

DICEAA UNIVERSITA' DEGLI STUDI
DELL'AQUILA
E
IL COMUNE DI CELANO

PER LA COLLABORAZIONE
NELL'AMBITO DI ATTIVITA'
FINALIZZATE ALLO STUDIO DI
PROCEDURE BIM PER LA
PROGRAMMAZIONE,
GESTIONE, MANUTENZIONE,
VALORIZZAZIONE DEL
PATRIMONIO COMUNALE



LOIN:

**verifica della conformità
delle informazioni
richieste in base ai BIM
Uses**



Prof.
Stefano Brusaporci

GRAZIE