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Life cycle of 3d data for cultural heritage

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HAL Authorization



Archeovision
CNRS · UBM · UB

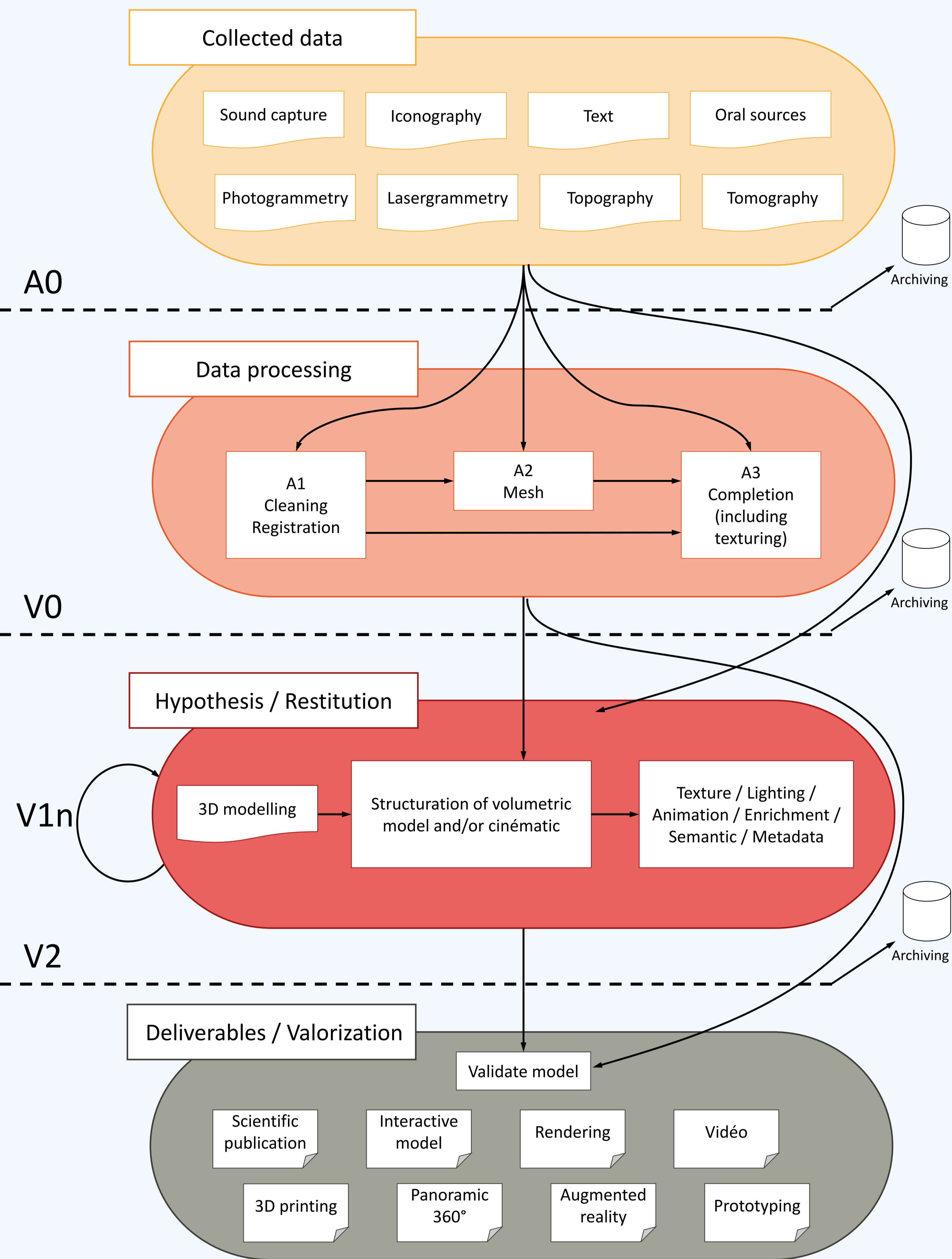
LIFE CYCLE OF 3D DATA FOR CULTURAL HERITAGE

Identify how and when 3D data is produced

Choose 3D file formats for archiving

Define a robust process for producing 3D data and preserving it

SEQUENTIAL GRAPH OF 3D DATA PRODUCTION



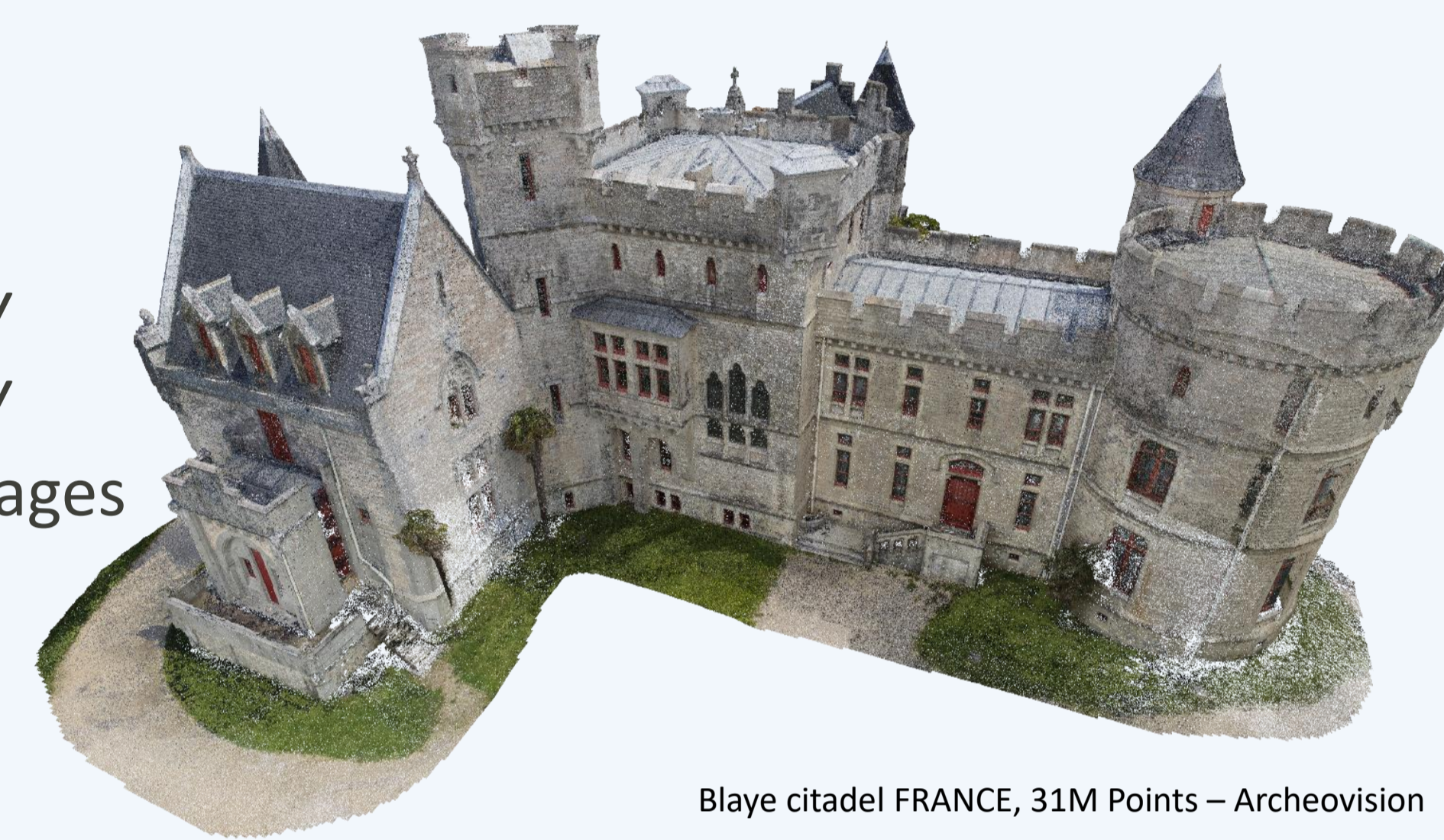
CASE STUDIES AND FORMATS



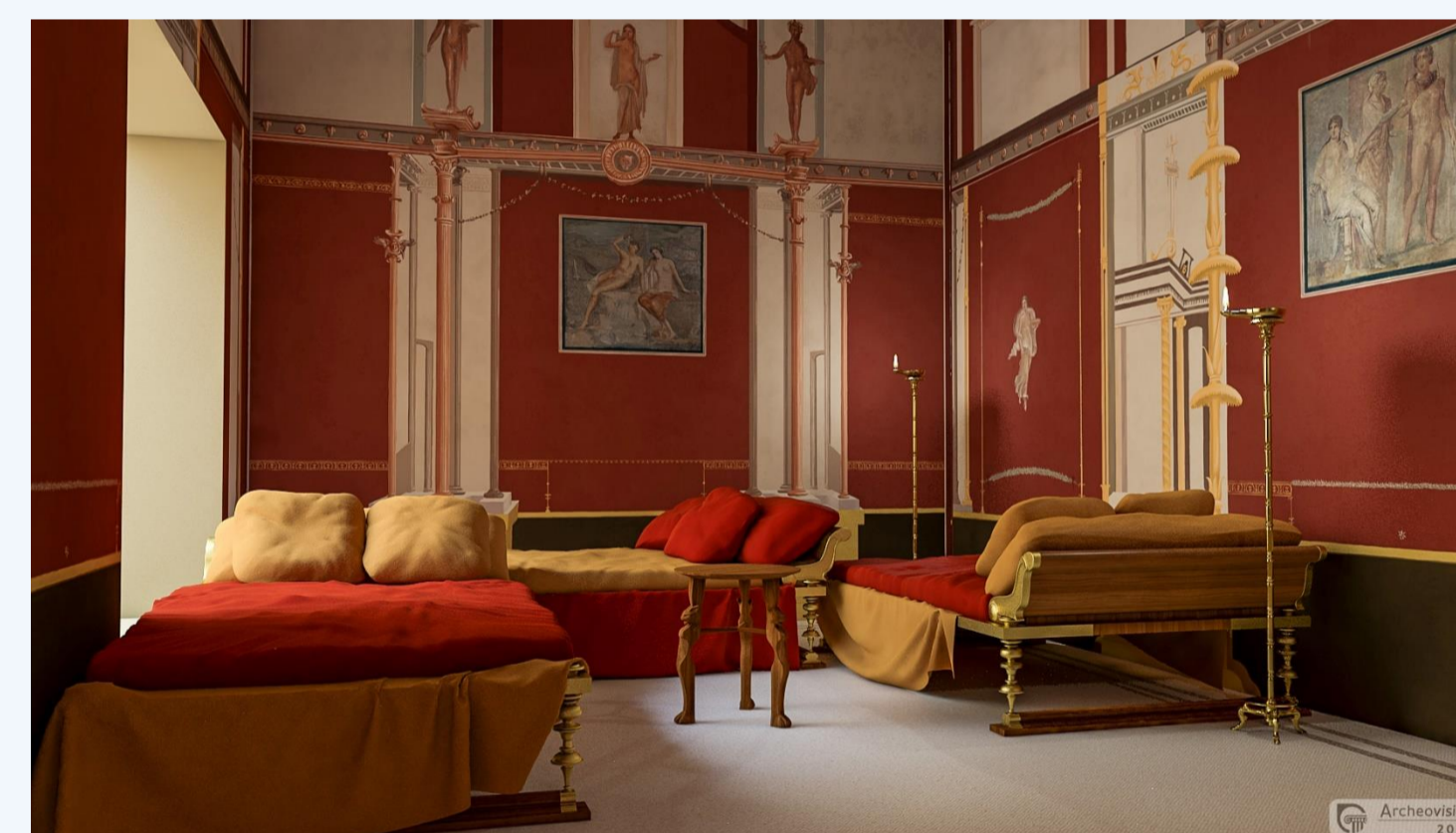
Bruniquel cave FRANCE, Photogrammetry – Archeovision

Text : txt
Images : Jpeg, png, ...
Point cloud : PLY
Sound : Wav
Tomography : in progress

Point cloud : PLY
Mesh : PLY
Textures : Images

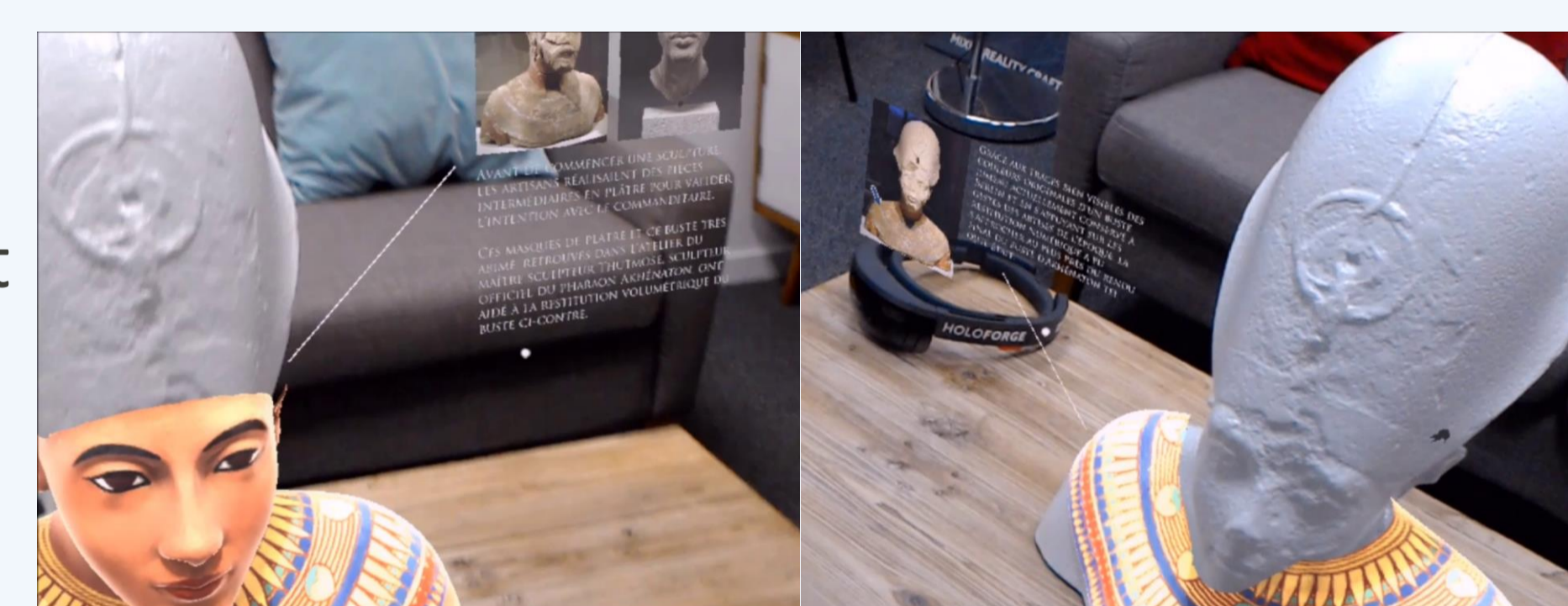


Blaye citadel FRANCE, 31M Points – Archeovision



Herculaneum ITALIA, 3D Reconstruction – Archeovision

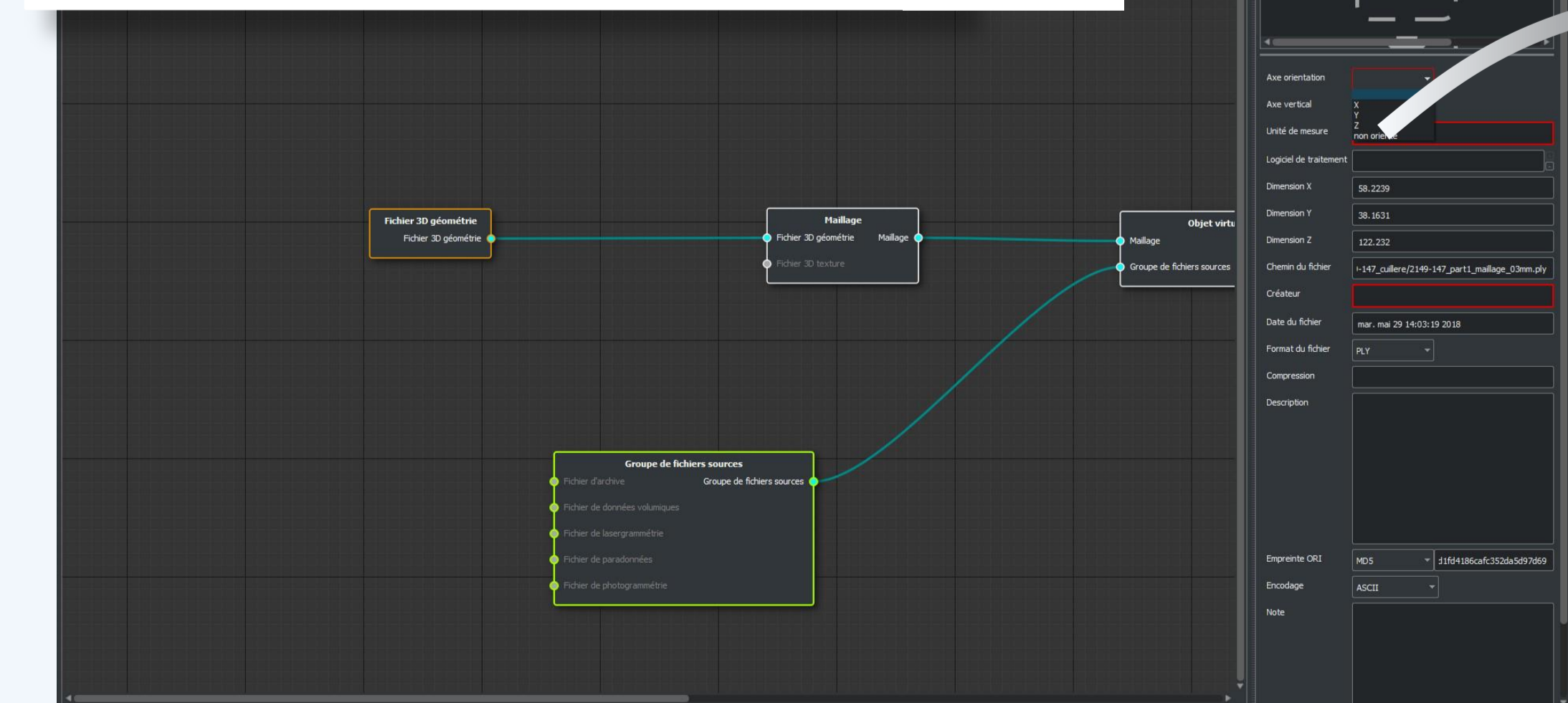
Reconstruction : Collada
Textures : images



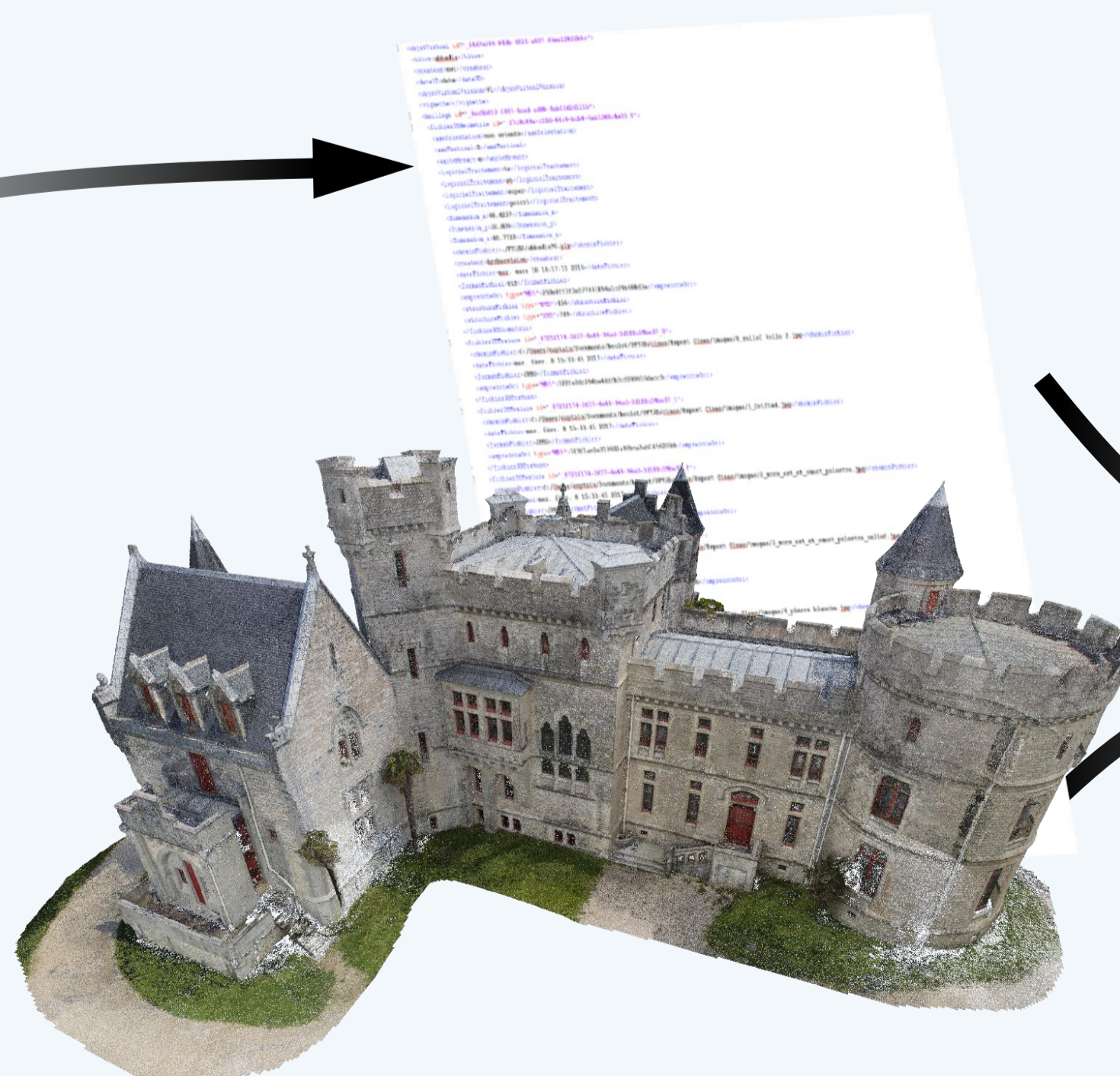
Akhenaton, HoloLens® experience – HoloForge

Any format
No archive

PRODUCE ARCHIVE



Create and add metadata as XML with aLTAG3D



J.C. Penalva

Store 3D data and metadata in CINES data center

