

Augmented reality exploration of historic rooms



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Objectives



- Compare historic rooms through times between previous and current state
- Increase user experience

Motivation



- Augmented reality
- Discover the research environment

State of art



Barcelona Museum



State of art



Barcelona Museum



Details of the project



Acquisition



Processing



Navigation

Acquisition



- Area Learning (Area Description Files)
- Point Cloud

Processing



- Export the Point Cloud
- Process the Point Cloud
- (Manual) Add of distinct frames

Navigation



- Augmented Reality Frames
- Area Description relocation

Conclusion



Future directions

