



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA



DIPARTIMENTO DI ARCHITETTURA

## RESEARCH PROJECT

# SHARITAGE

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**SIPARIO**

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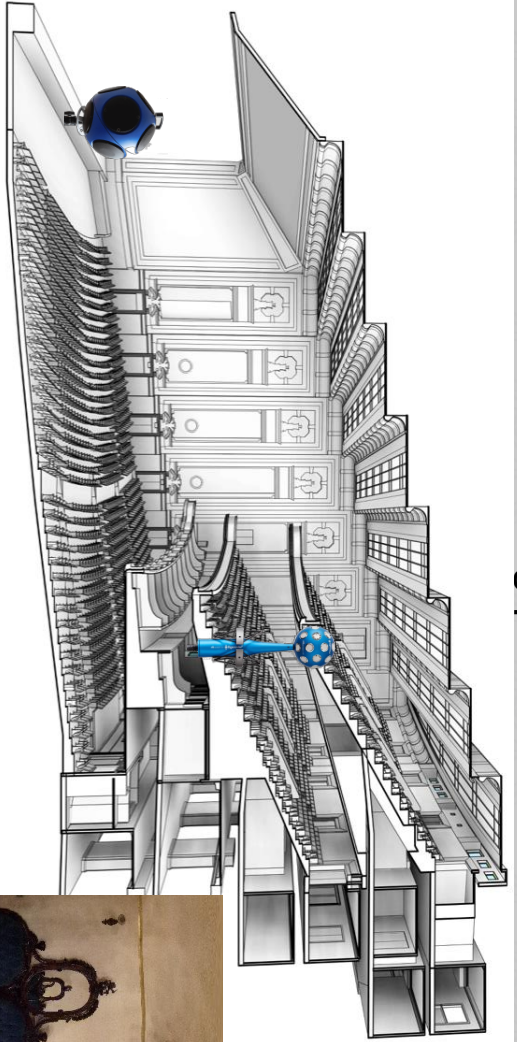
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# GOALS

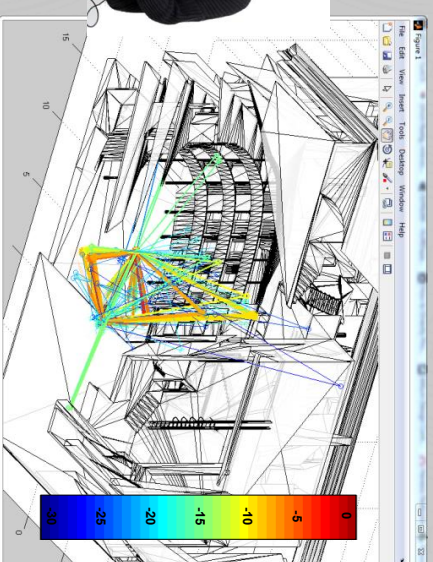
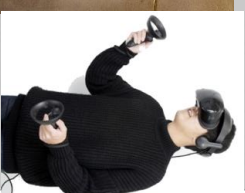


DIPARTIMENTO DI ARCHITETTURA

- Capturing the **3DAcoustics** and **Architecture** of existing historical buildings
- Using a **3D acoustical modelling software**, calibrated on the measured data, for recomputing the acoustical behaviour of the site in different **historical states** and **different locations** and with **new multiple directive sound sources**
- Realisation of a **visual and acoustic 3D model** of the site performing **real time rendering (video and audio)**, giving the user the experience of walking through the historical building and listening to sound and music being performed inside it



- Employing this technology for sharing and disseminating acoustic information among communities for a **more inclusive knowledge** of art and sound







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