

2.6 Cultural Heritage Enhancement Through Digital Technologies

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Cultural Heritage enhancement through Digital Technologies

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Cultural Heritage enhancement through Digital Technologies

Methodologies and tools for the development of an ecosystem to be used with the future 5G network.

- **Virtual Reality / Augmented reality:** current focus of research, concepts, methods and tools.
- **Building Information Modeling:** investigate the possibilities of integration of new technologies in Cultural Heritage preservation and valorization

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Cultural Heritage enhancement through Digital Technologies

- Experimentations for 3D modeling, AR/VR applications and BIM extension for Cultural Heritage has been realized within **INCIPIC** project.
- L'Aquila hosted the first **Italian 5G Trial** until July 2021.

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Cultural Heritage enhancement through Digital Technologies

The University of L'Aquila is driving this ambitious project (named "Innovating City Planning through Information and Communications Technologies" - **INCIPIC**) by means of collaborations with industry partners/other universities and research centers that have the main objectives in trial, develop and validate new applications and innovative technologies in the area of **IoT** and **Smart Cities**.

- Experimental optical network for the city.
- Construction of an innovative communication network.
- Information accessed easily and efficiently.

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Cultural Heritage enhancement through Digital Technologies

Map of Italy showing project locations: PISTOIA, PRATO, L'AQUILA, BARI, MATERA.

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Cultural Heritage enhancement through Digital Technologies

The Italian Ministry of Economic Development (MiSE) on March 2017 opened the call for project proposals for the implementation of pre-commercial experiments for the radio spectrum 3.6-3.8 GHz.

- Area 1 - Milan - metropolitan area
- Area 2 - Prato and **L'Aquila**
- Area 3 - Bari and Matera

The **INCIPIC** services were selected as UCs for the Area2 5G trial.

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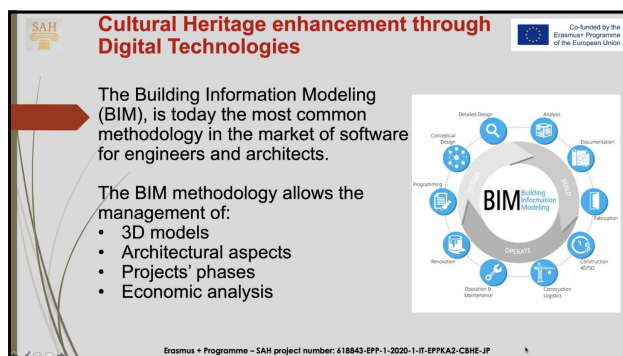
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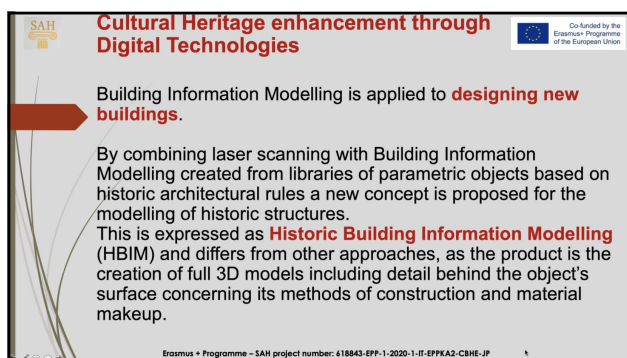
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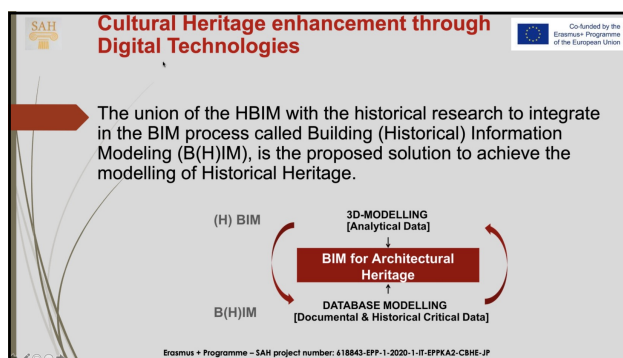
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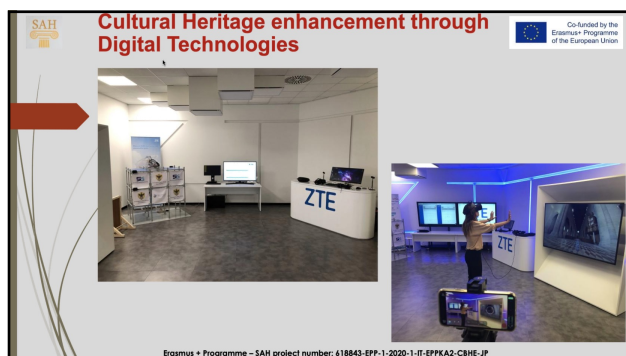
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