



Advancing 3D Digital Heritage: 3DBigDataSpace Takes Key Steps Forward

[12 March 2025, Vienna] – The 3DBigDataSpace project, a groundbreaking European initiative focused on advancing 3D digital heritage, defined key milestones and upcoming activities during its kick-off meeting in Trento, Italy, hosted by project partner FBK (Fondazione Bruno Kessler). The project, which aims to enhance the accessibility, preservation, and utilization of 3D cultural heritage assets, is making significant progress across its various work packages.



The consortium partners lining up, eager to kick off the project.

Enhancing Data Processing and Validation

One of the project's major achievements will be the successful aggregation of over **50,000 3D models** and to ensure metadata accuracy and smooth integration into the common European data space for cultural heritage.

Strong interconnections between work packages shall ensure robust data processing pipelines, with a focus on metadata quality and validation methods. The team is actively working on defining automated and manual validation approaches, ensuring high-quality and reliable 3D data outputs.

Creating Engaging 3D Experiences

Work is also commencing on developing immersive 3D experiences using the collected models. The project partners intend to align different demo cases with available toolsets, ensuring that technological and content-related dependencies are well-managed.

Training, Events, and Future Prospects

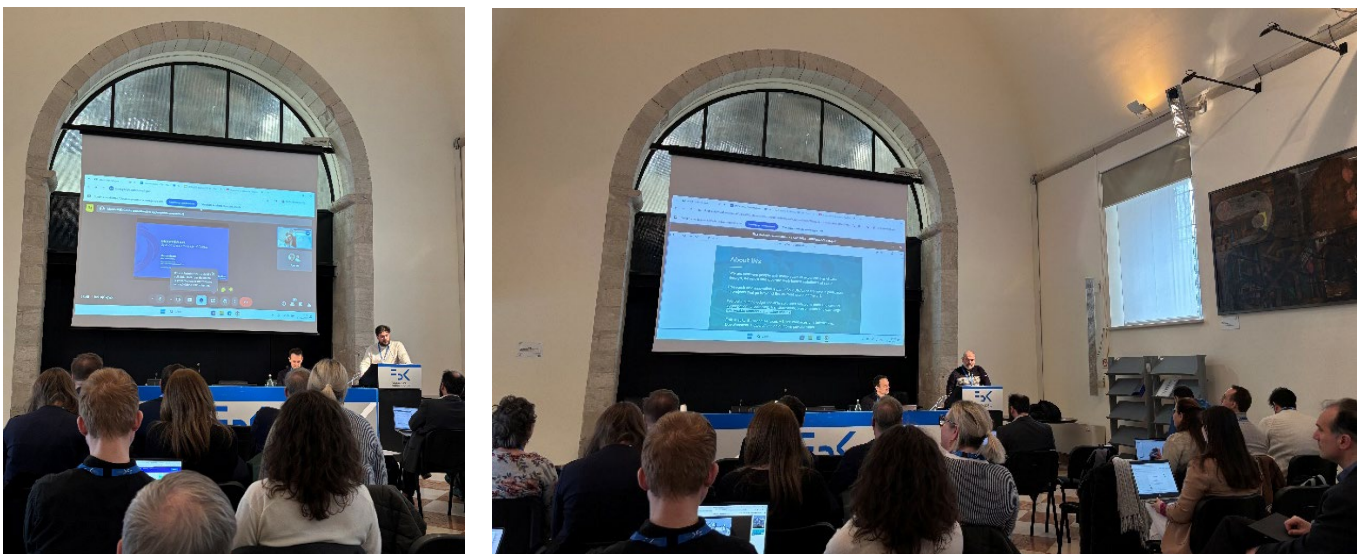
To maximize impact, the 3DBigDataSpace project is planning a series of workshops and training events, to enhance knowledge-sharing within the digital heritage community. The first event is coming up in May, in Austria:

- **CIPA Summer School 2025** "Digitisation of Built Heritage at Risk" from 20-25 May 2025, under the lead of the [Department for the History of Architecture and Building Archaeology of the University of Technology Vienna](#), and in close cooperation with [ICOMOS](#), [ISPRS](#), [CHNT ICOMOS Austria](#), and supported by Time Machine Organisation (TMO). The 14th instalment of the "[CIPA Summer School](#)" invites young scholars, emerging professionals, and heritage enthusiasts to explore cutting-edge methods in heritage documentation and risk assessment at the historic, baroque castle of Heiligenkreuz-Gutenbrunn in Lower Austria – a remarkable site currently facing a variety of challenges due to its lack of a dedicated function. Registration and further information can be found here: <https://www.timemachine.eu/cipa-summer-school-2025/>

Looking Ahead

The next steps for the project include the definition of testing methodologies for validation and continuing the development of immersive 3D applications. The 3DBigDataSpace team remains committed to pushing the boundaries of 3D digital heritage, ensuring that cultural institutions, researchers, and the public can benefit from these advancements.

For more information about the 3DBigDataSpace project, upcoming events, or collaboration opportunities, please contact the coordinator: Jun. Prof. Dr. Sander Münster (sander.muenster@timemachine.eu)



Project partners presenting their activities and work package involvement during the kick-off meeting.



About 3DBigDataSpace

3DBigDataSpace is a collaborative European project designed to enhance and expand the digital cultural heritage landscape through the aggregation, storage, and enhancement of high-quality 3D content. Funded by the Digital Europe Programme, the project brings together a consortium of leading cultural heritage organizations, research institutions, and tech companies to advance the use of 3D data in XR applications and beyond.

3DBigDataSpace consortium

- Coordinator: Time Machine Organisation (TMO)
- Friedrich-Schiller-Universität Jena (Uni Jena)
- IN2 Digital Innovations GmbH (IN2)
- Stichting Europeana (EF)
- Inception SRL (Inception)
- Fondazione Bruno Kessler (FBK)
- Room AG (room AG)
- The HUNT Museum (HUNT)
- Poznan Supercomputing and Networking Centre (PSNC)
- University of Vigo (U.Vigo)

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Project end date: 31 July 2026

Granting authority: European Health and Digital Executive Agency

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