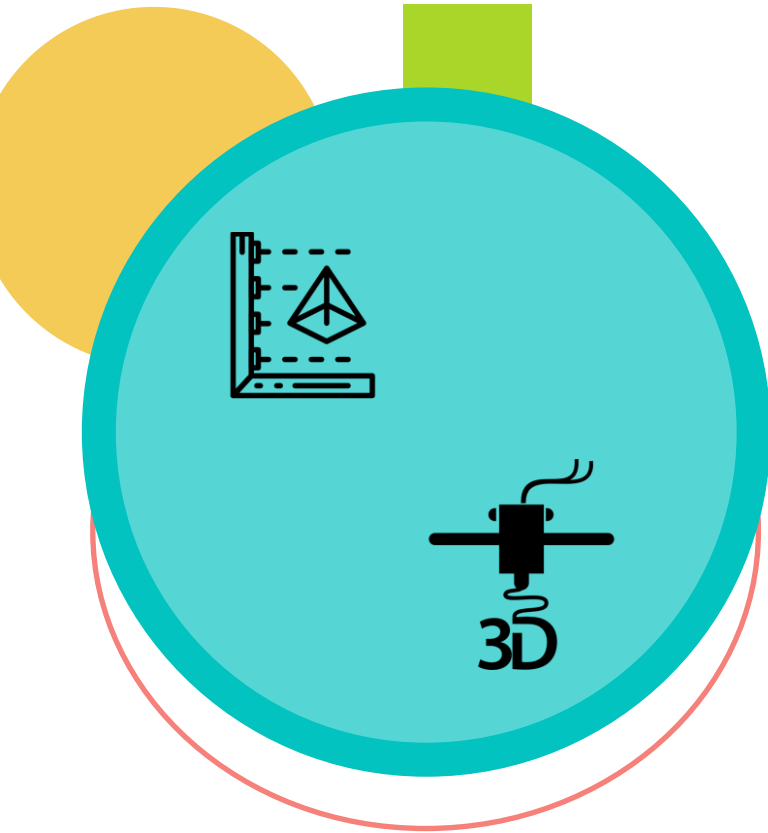


AgeanDigital Tourism Tank: Experiences and Products for enhancing the sustainable preservation of Digital Heritage of Cultural Organizations of North Aegean

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March 2023



Introduction



Use of new technologies for preserving and protecting cultural heritage

3D scanning, modelling & printing offer a robust foundation for preserving the cultural heritage assets

Many museums and heritage organizations around the world have adopted these technologies and the results are very promising and fascinating



3D printed puzzle of an Iron Age pot, Brighton Museum & Art Gallery

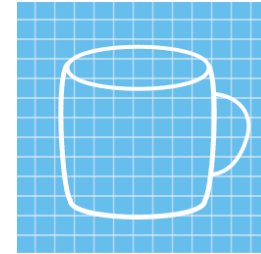
3D Printing & 3D Scanning



3D scanning is the process that converts physical objects into digital models, enabling the quick capture of an object's shape and geometry.



3D printing is an emerging technology in which a 3D model is converted from a digital file to a physical object.



Start with a 3D CAD file either by creating the 3D model or scanned with a 3D scanner

Overcoming problems using 3D printing & 3D scanning in Culture



Cultural heritage objects due to their sensitivity but also their historical importance **cannot be touched and are usually protected behind enclosed glass displays.**

Sometimes it is also **difficult to transfer** a cultural asset in case of a cultural event.

3D printing and scanning help to overcome these challenges.



The AegeanDigital Tourism Tank contribution

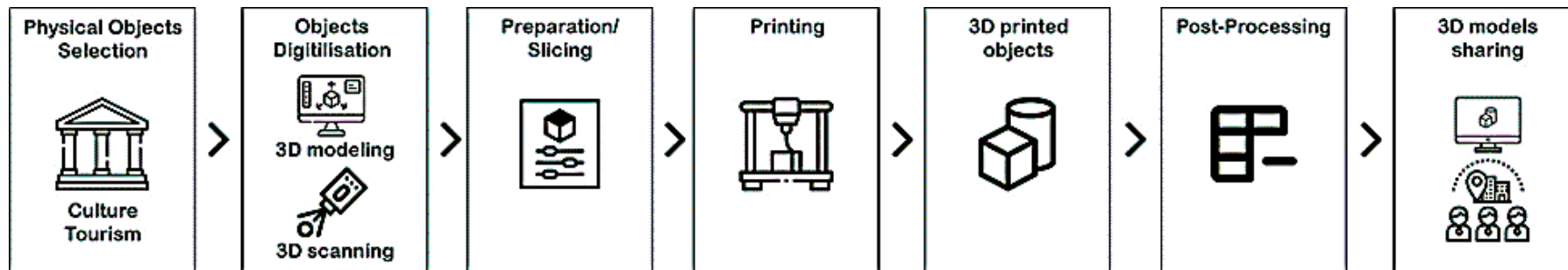


Considering that, AegeanDigital Tourism Tank is a research action aiming at the **digitization and creation of 3D models for the cultural organizations of North Aegean** under unified procedures, so as the management of cultural digital information within these organizations to be represented and integrated in similar way, despite their different contexts.

Our approach offers experience to visitors and support tourism and culture organizations of North Aegean to provide this opportunity to them.



The AegeanDigital Tourism Tank whole process



Conclusion



3D Printing and scanning are technologies which can be used to **preserve and protect cultural heritage**.

Their implementation **decrease the distance between visitors and cultural** assets so that visitors are engaged to discover the cultural object.

The AegeanDigital Tourism Tank provides visitors with the opportunity to interact with **replicas of valuable exhibits**.

The contribution of this holistic approach **not only enhances the preservation of cultural heritage** in the North Aegean, but also **increases the scientific, economic and social impact of advanced services to the potential audiences of the cultural organizations of North Aegean**.



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Acknowledgments

This research was funded by the Research e-Infrastructure “[e-Aegean CulTour] Aegean Interregional Digital Transformation in Culture and Tourism” {Code Number MIS 5047046} which is implemented within the framework of the “Regional Excellence” Action of the Operational Program “Competitiveness, Entrepreneurship and Innovation”. The action was co-funded by the European Regional Development Fund (ERDF) and the Greek State [Partnership Agreement 2014–2020].



e-Aegean CulTour





Thank you!

