Application of Virtual Anastylosis Techniques for Architectural Research

Fact Sheet

Project Information

AVATAR
Grant agreement ID: 894785

Funded under
EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

Total cost
€ 171,473,28

EU contribution
€ 171,473,28

Coordinated by
POLITECNICO DI TORINO
Italy

Start date
1 April 2021
End date
31 March 2023

Project terminated on 8 October 2021

Project description

Anastylosis and CH reconstruction

Reconstruction techniques such as anastylosis require historical data and temporal analyses to serve as the basis for decision making in the framework of CH reconstruction, management and restoration. The EU-funded AVATAR project aims to contribute to anastylosis techniques with a new approach based on the latest technological advances. The project will develop and optimise a set of procedures and tools to interpret the structural and conservation status in the architectural heritage. It will also promote the change of current practices towards preventive
approaches to conservation. Eventually, AVATAR will help to prevent the deterioration of CH assets in the future.

**Fields of science**

- humanities > history and archaeology > history

**Keywords**

- Digital Twin
- Geomatics
- Geophysics
- Computer Vision
- Machine Learning
- Deep Learning
- Cultural Heritage
- Building Information Modelling
- Virtual Reality
- Augmented Reality

**Programme(s)**

- H2020-EU.1.3. - EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions
- H2020-EU.1.3.2. - Nurturing excellence by means of cross-border and cross-sector mobility

**Topic(s)**

- MSCA-IF-2019 - Individual Fellowships

**Call for proposal**

- H2020-MSCA-IF-2019

See other projects for this call

**Funding Scheme**

- MSCA-IF - Marie Skłodowska-Curie Individual Fellowships (IF)

**Coordinator**
POLITECNICO DI TORINO

Net EU contribution
€ 171,473,28

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Region
Nord-Ovest > Piemonte > Torino

Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

EC signature date 16 April 2020
Last update: 24 July 2023

Permalink: https://cordis.europa.eu/project/id/894785

European Union, 2023