



# AURORA

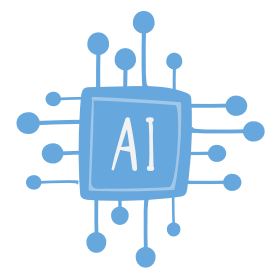
Artwork Unique RecognitiOn and tRacking through chemicAI encoded data, miniaturized devices and blockchain alliance

## Project

## Objectives

## Impacts

Artifacts are constantly threatened by anthropogenic actions. Looting, smuggling, and illicit trade of cultural goods pose major risks to our cultural goods and our cultural identity. **AURORA** will create an effective artwork digital identity by analysing art piece deep layers chemical composition, permanently and unalterably stored, to improve cultural heritage management by means of a stable physical-to-digital identity connection. **AURORA** mission aims to create a cultural heritage preservation and protection tool employing a robust cost-effective solution to track artworks position and transactions.



Development of an anti-counterfeiting marker based on advanced chemical and spectroscopy technologies



Providing a device enabling the traceability of cultural goods artworks using wireless sensor



Validating the AURORA protection, identification, and traceability innovation package on real artifacts



To prevent artworks illicit trafficking, stealing and destruction

All the **AURORA** technologies will be developed having as main priority the preservation of both structural and material original properties of the considered cultural objects. **AURORA** results will be beneficial on the one hand, for the legal field of the art market, as digital identity could be a code that can be used in contracts for the identification of cultural goods. On the other hand, public administrations will make use of the **AURORA** tools to unequivocally census the assets of their cultural heritage and to verify their movement.



## Partners



## Project details

**Grant Agreement Number:** 101094245

**Project Full Title:** Artwork Unique RecognitiOn and tRacking through chemicAI encoded data, miniaturized devices and blockchain alliance

**Project Acronym:** AURORA

**Topic:** HORIZON-CL2-2022-HERITAGE-01-07

**Type of action:** HORIZON-RIA

**Granting authority:** European Research Executive Agency (REA)

**Start date of the project:** 01 January 2023

**Duration:** 36 months

**EU Contribution:** 3,466,354.00 Euro

## Contacts

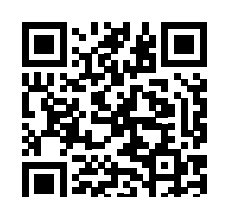
**PROJECT COORDINATOR**  
Domenico Romano | Techedge  
domenico.romano@avvale.com

**DISSEMINATION MANAGER**  
Isella Vicini | beWarrant S.L.  
isella.vicini@bewarrant.be

## More Info



[www.aurora-euproject.eu](http://www.aurora-euproject.eu)



Funded by the European Union

"Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Research Executive Agency (REA). Neither the European Union nor the granting authority can be held responsible for them."