

NON-DESTRUCTIVE,
SCALABLE,
SMART
MONITORING OF
REMOTE
CULTURAL
TREASURES

PILOT SITES

01 Greece

Delos Island



02 Switzerland

Schenkenberg
Castle



03 Italy

Monti Lucretili



04 Italy

Sant'Antonio di
Ranverso Preceptory



05 Spain

Cellar town of
Baltanás



ADVANCED TECHNOLOGIES FOR CONSERVATION

- ◆ Real-time remote monitoring and data collection
- ◆ Digital twin models and multimodal sensing for risk prevention
- ◆ AI-powered threat detection and decision-making support system
- ◆ Data fusion and visualisation for better decision-making
- ◆ Non-invasive sensing (LiDAR, photogrammetry) for accurate analysis

SUSTAINABILITY AND COMMUNITY INVOLVEMENT

- ◆ Eco-friendly conservation with minimal environmental impact
- ◆ Engaging local communities in cultural heritage protection
- ◆ Promoting Open Data and Open Science to enhance transparency, collaboration, and accessibility in cultural heritage conservation

THE CONSORTIUM

ATHENA'

Cyprus
University of
Technology

eurecat

University
of Cyprus

ROMA
TRE
UNIVERSITÀ DEGLI STUDI

CSIC

Fraunhofer
FIT

core|IC

WORLD SENSING

Ephorate of
Antiquities
of Cyclades

Kneia

CENTRO
CONSERVAZIONE
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LA VENARIA REALE

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