

Productions institute file Test

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Project Details

- PROJECT REFERENCE: 646178
- START: 01/06/2015
- DURATION IN MONTHS: 36
- TOTAL COST: 6.965.320,43 Euro
- EU CONTRIBUTION: 6.332.586,68 Euro
- CALL IDENTIFIER: H2020-NMP-2014-two-stage

 • TOPIC:NMP-21-2014 - Materials-based solutions for protection or preservation of European cultural heritage



Wedemann GmbH Sto-based Advancement

www.nanocathedral.eu

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Nano-Cathedral

#VIENNA

#GHENT

Innovation for Europe Cultural Heritage Protection and Conservation

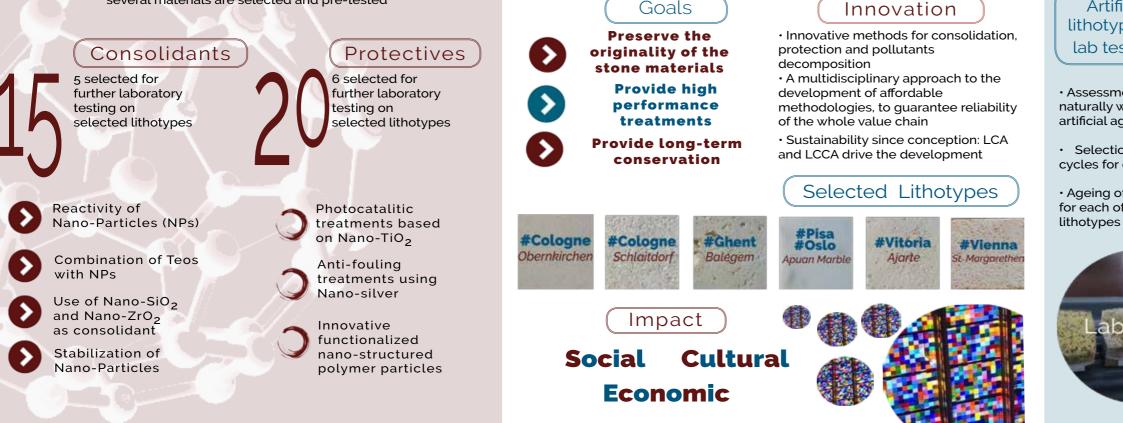
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Materials

Based on the specific decay phenomena of the selected lithotypes, several materials are selected and pre-tested



Nano-Cathedral

NANO-CATHEDRAL develops new **nano-materials**, **technologies** and **procedures** for the conservation of deteriorated stones in monumental **buildings**, **cathedrals** and **high value contemporary architecture**.

Testing

Artificially decayed lithotype specimens for lab tests are prepared:

• Assessment of major decay in naturally weathered states and artificial ageing procedures

• Selection of thermic ageing cycles for each lithotype

• Ageing of 144 stone specimens for each of the 6 selected

Lab Testing

Full Program Testing:

A systematic testing program is performed for consolidant and protective treatments to select the best ones to be applied on-site



Application of treatments on pilot areas of monuments

• Development of operational guidelines

Testing Protocol

On-site Testing