

# **D7.2 – Project Graphic Identity**

### **Project Information**

Grant Agreement Number 646178		
Project Full Title	Nanomaterials for conservation of European architectural heritage developed by research on characteristic lithotypes	
Project Acronym NANO-CATHEDRAL		
Funding scheme	NMP-21-2014 Materials-based solutions for protection or preservation of European cultural heritage	
Start date of the project	Start date of the project June, 1 2015	
Duration	36 months	
Project Coordinator	Andrea Lazzeri (INSTM)	
Project Website	www.nanocathedral.eu	

#### **Deliverable Information**

Deliverable n°	7.2	
Deliverable title	Project Graphic Identity (LOGO), leaflet and poster	
WP no.	7	
WP Leader	WG	
Contributing Partners	-	
Nature	Report	
Authors	Vanessa Mucci (WG)	
Contributors	-	
Reviewers	Isella Vicini (WG), Maria Beatrice Coltelli (INSTM)	
Contractual Deadline	M3 – 31/08/2015	
Delivery date to EC	M4 – 25/09/2015	

#### **Dissemination Level**

PU	Public	$\checkmark$
РР	Restricted to other programme participants (incl. Commission Services)	
RE	Restricted to a group specified by the consortium (incl. Commission Services)	
CO	Confidential, only for the members of the consortium (incl. Commission Services)	

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



#### **Document Log**

Version	Date	Author	Description of Change
V1.0	23/09/2015	Vanessa Mucci (WG)	Complete

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



# Table of Contents

1	Proje	ect graphic identity	4
	1.1	Graphic identity: NANO-CATHEDRAL logo	4
	1.2	NANO-CATHEDRAL project brochure	4
	1.3	NANO-CATHEDRAL poster	5

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



## 1 Project graphic identity

### 1.1 Graphic identity: NANO-CATHEDRAL logo

A project logo (Figure 1) was created when NANO-CATHEDRAL was still at proposal stage.



Figure 1 NANO-CATHEDRAL logo

This logo was presented to and approved by the NANO-CATHEDRAL partners as the official logo of the NANO-CATHEDRAL Project at the kick-off meeting on 4<sup>th</sup> of June 2016 in Pisa (Italy).

The logo includes the name of the project (NANO-CATHEDRAL), its main concept intends to clear and to capture the attention of the audience. The image of the rose window is a typical element of the churches of the Gothic architectural style and also the font used for the "C" is clearly gothic. This seems to apply very well to an ambitious project with the aim to preserve and protect the European cathedrals.

Colours have been used to get a professional image.

The NANO-CATHEDRAL logo will be used for any (internal or external) deliverable, report and dissemination tools.

## **1.2 NANO-CATHEDRAL project brochure**

The main objective of the project brochure (Figure 2) is to provide our audiences with an attractive and written project overview and a summary of the main project objectives and characteristics. To assist the dissemination effort, an attractive and professionally made brochure will be prepared by WG and published on the project website.

The brochure presents the goals of the project and the main (expected) findings. The text is designed taking into account not only experts, but also an interested non-specialist. It introduces the main mission and the goals of the NANO-CATHEDRAL project. Furthermore, it includes the website address and provides basic information on NANO-CATHEDRAL Consortium. All partners' logos are also displayed.

A second version of the brochure will be implemented after month 18. This version will contain an updated content, with an overview of preliminary results, and a new layout for making it more attractive.

On the one hand the brochure can be circulated in printed form, e.g. it can be handed out at conferences or other events; on the other hand also an electronic version (e.g. PDF file) can be circulated. The brochure can be also downloaded from the project website.

Some leaflets may be translated into other languages than English by the Partners located in the local pilot sites, based on a master template which will be provided to the partners. The content of the leaflets has to be clear and easily understandable by the target end users.







### 1.3 NANO-CATHEDRAL poster

The main purpose of the poster (Figure 3) is to catch the audience attention. The poster will focus on the visual aspects. The content of the posters has to be clear and easily understandable by the target end users.

To reach this objective an eye catching poster has to be designed. With regard to the layout and design, the poster will show the NANO-CATHEDRAL project's logo and the colours emphasizing the link to the project 's graphic.

From the content point of view, the poster of the NANO-CATHEDRAL project will illustrate its objectives and include basic information on the project and on the Consortium, including all partners' logos. It will be possible to download it from the NANO-CATHEDRAL website.

The NANO-CATHEDRAL poster will be published 3 times within the NANO-CATHEDRAL project by WG:

- once at the initial phase (month 6 at latest), to convey the project approach and objectives;

- then at Month 18, to highlight project achievements in the first half of the project, and

- finally, at Month 24, to include industrial scale results and demo activities (the poster will be presented at the final NANO-CATHEDRAL conference).

Posters may be translated into other languages than English by the partners located in the different member states and attending local or national events.

Figure 3 NANO-CATHEDRAL Poster



#### NANO-CATHEDRAL PROJECT

Cathedrals, distributed throughout Europe, are representative of the diversity of European cultural heritage. Five different cathedrals were selected as they may be considered as representative of both different exposure conditions and different types of stones.

particular, the Cathedral of Pisa, in central Italy, and the Cathedral de Santa María of Vitoria-Gasteiz in Spain were selected as "representative of south European "Mediterranean" climate in coastal and continental regions, respectively; the Sint-Baafs Cathedral of Ghent, in Belgium, the Cathedral of St. Peter and Mary in Cologne, Germa the St. Stephen's Cathedral, in Wien, Austria, were selected as representative of North European climate in coastal and continental regions, respectively. Moreover, the **Oslo** Opera House, was considered as an example of a contemporary building

coated with white Carrara marble

They also represent different lithotypes such as marble, sandstone, limestone.

The objective is providing "key tools" for restoration and conservation:

- On representative lithotypes
- On European representative climatic areas
- With technology validated in relevant environment (industrial plant and monuments) Exploiting results also on modern stone made buildings

#### WHAT ARE THE INNOVATIONS?

The results of the project will provide both innovation in technology and rationalization of the conservation policy affording a renewed knowledge of the complex system "treatment/stone substrate", and of the durability threshold of these treatments.

Innovative materials, such as nano-particle based consolidants and proper polymer nanocomposites based coatings will be developed, in agreement with the NMP-21 call requirements. In particular, the employment of nano-particle with different composition will allow to provide the degradation and providing long-term conservation.

An environmental impact assessment of the new materials will be included, to ensure development of sustainable and compatible materials and methods.

#### APPROACH

The multidisciplinary approach is granted by the presence of expertise covering the field of geology and materials science, institutions for management and preservations of the cathedrals, restoration companies and also nano-particles and coating producers. The multidisciplinary approach and the inclusion of industrial partners directly involved in the

production processes and technology of restoration will allow the development of affordable methodologies, granting reliability of the developed chain

#### THIS KIND OF SYNERGY IS NANO-CATHEDRAL'S KEY FOR INNOVATION.



PISA

BUILDING PERIOD Medieval Age

ARCHITECTURAL STYLE Pisan Romanesque

MAIN LITHOTYPES CLASSES Mount Pisano marble /black limestones /Apuan marble /Proconnesian marble /calcarenite /granitoid rocks /serpentinite



VITORIA

**BUILDING PERIOD** Medieval Age

ARCHITECTURAL STYLE 13<sup>th</sup> - 16<sup>th</sup> Centuries Gothic

MAIN LITHOTYPES CLASSES Lumachella from Ajarte /sandstone from Elguea /calcarenite from Olarizu

AUTHORS

AUTHORS
ALazzeri1, M.B. Coltelli1, M. Lezzerini1, V. Castelvetro1, L. Toniolo1, F. Gherardi1, O. Chiantore1, L. Festa 2, I. Vicini3,
E. Melotti3, L. Bregoli3, J. Weber4, A. Rohatsch 5, R. Fischer 6, R. Drewello 7.
(1) National Inter University Consortium of Materials Science and Technology (INSTM), Italy
(2) Istituto Superiore per la Conservatione ed il Restauro (ISCR), Italy
(3) Warrant Group 5.r.d., Italy
(4) Institute of Arts and Technology/Conservation Sciences, University of Applied Arts Wien, Austria
(5) Forschungsbereich für Ingenieurgeologie, Institute für Genetenkin, Technische Universität Wien, Austria
(6) Karlsruhe Institute of Technology, Institute for Applied Biosciences, Department of Microbiology, Germany
(7) Otto-Friedrich-University, Bamberg, Germany

WIEN

BUILDING PERIOD Medieval Age (1140-1513)

ARCHITECTURAL STYLE Late Romanesque and Gothic

MAIN LITHOTYPES CLASSES Limestones from Leithamountains and Vienna, few siliceous sandstones from Lower Austria

KOLN

SELECTED MONUMENTS

#### **BUILDING PERIOD** Medieval Age (1248-ca. 1520)

ARCHITECTURAL STYLE

Drachenfels Trachyte / Schlaitdorf Sandstone /

Obernkirchen Sandstone / Savonnieres Limestone / Volcanic Tuffstones / Basalt lava

GHENT

BUILDING PERIOD Medieval Age (942-1038) 14th-16th Centuries (1300-ca. - 1569)

ARCHITECTURAL STYLE Romanesque

MAIN LITHOTYPES CLASSES

Formation (Belgium), and Belgian and French limestones as replacement materials (from Gobertange, Euville, Savonnières and

Massangis)



The project leading to this application has received funding from the European Union's research and innovation programme under grant agreement No 646178 on's Horizon 2020









**Brabantine Gothic** 



OSLO BUILDING PERIOD 2003-2007 ARCHITECTURAL STYLE

Contemporary

Jan ....

MAIN LITHOTYPES CLASSES White Carrara marble

OWS STATSBYGG

19th Century

(1842 - 1880)

Gothic

Neogothic MAIN LITHOTYPES CLASSES



Arenaceous limestone





belonging to the Lede