



CSGI



WARRANT
GROUP®

Nano Rome, 26-29 September
2017 **Innovation**
Conference & Exhibition



ECH OES

 Nano-Cathedral



These projects has received funding from
the EU H2020 research and innovation
programme under grant agreement No
646178 and No 646063.





CSGI



WARRANT
GROUP®



ECHOES

Nano Rome, 26-29 September
2017 Innovation
Conference & Exhibition

SCOPE

The mission of ECHOES is the conservation and valorisation of Cultural Heritage in all its forms and materials



Nano-Cathedral



These projects has received funding from the EU H2020 research and innovation programme under grant agreement No 646178 and No 646063.





ECH OES



Paints



Photographs



Prehistoric Art



Prints



ECH OES



Buildings



Monuments



Stained-glass window



Archeological Sites



CSGI



WARRANT
GROUP®



ECHOES

Nano Rome, 26-29 September
2017 Innovation
Conference & Exhibition

WHO CAN CONTRIBUTE TO ECHOES?

- Universities
- Research centers
- Small & Medium Enterprises
- Conservators
- Public Institutions
- Industrial Manufacturers
- Museums
- Art Collectors
- Media
- Handcrafts
- Conservation centres
- International Bodies





CSGI



WARRANT
GROUP®



ECHOES

Nano Rome, 26-29 September
2017 Innovation
Conference & Exhibition

WHY ECHOES?

ECHOES will be a solid and concrete platform where the scientific community can gather, share and exploit the results achieved within EU funded projects on conservation of Cultural Heritage

ECHOES will create a network between scientists, Cultural Heritage operators and even common citizens

ECHOES will help EU in planning strategies for the preservation and the valorisation of Cultural Heritage





ECHOES

MAIN THEMES

The work of the ECHOES cluster will be articulated in several activities, which cover all the strategical objectives about conservation and valorisation of tangible Cultural Heritage.

- Development of best practice and protocols about new materials and methods proposed by the scientific community to end users
- Establishment of stable connections with other clusters (e.g. EMMC, NANOSAFETY, EMCC) and integration of SSH (Social Science & Humanities) activities in new projects
- Creation of a European repository, which collects all open-access information about the results obtained within EU-funded projects on conservation of Cultural Heritage



CSGI



WARRANT
GROUP®



ECH OES

Nano Rome, 26-29 September
2017 Innovation
Conference & Exhibition

- Creation of an open forum to citizens for discussion, problem-solving and presentation of case-studies
- Development of tools for citizens to actively monitor the degradation of Cultural Heritage, for instance through web social platform, according to the new concept of "Citizen conservation science"
- Support of EU policy development in the field of tourism and industry related to conservation and valorisation of Cultural Heritage
- New "ad hoc" materials for the needs of contemporary artists





CSGI



WARRANT
GROUP®



ECHOES

Nano Rome, 26-29 September
2017 Innovation
Conference & Exhibition

WORKING GROUPS

WG 1 – MATERIALS

WG 2 – CONSERVATION

WG 3 – MUSEUMS, MONUMENTS, SITES AND ART COLLECTORS

WG 4 – MARKET PLACE

WG 5 – CONTINUING EDUCATION

WG 6 - POLICY





CSGI



WARRANT
GROUP®



It intends to create

Nano Rome, 26-29 September
2017 **Innovation**
Conference & Exhibition

ECH OES

WORKING GROUPS

WG 1 Materials (universities, research centers, industries)

- it focuses on the establishment of a **network of stakeholders in the field of development of materials for the CH conservation**. It intends to intensify the collaboration between academic institutions and industry in Europe and to facilitate the link between providers and users.
- It also focuses on the **advanced instrumentation** for the characterization of the structural and dynamic properties of new materials. It intends to support the **development of "ad hoc" new analytical tools** and the continuous exchange of methods and information with investigators in the field of analytical chemistry and physics.
- **Collaborative projects and activities** will be established with international bodies in the field of CH conservation and valorisation (COM(2012)497). The cluster intends also to create connections with forthcoming and ongoing cluster (e.g EMMC, NANOSAFETY, EMCC) and to **improve the cooperation with Social Sciences and Humanities**





CSGI



WARRANT
GROUP®



ECHOES

Nano Rome, 26-29 September
2017 Innovation
Conference & Exhibition

WORKING GROUPS

WG 2 CONSERVATION (public and private conservators)

- It is seeking to develop a **network of conservators**, both from the public and private sector in order to deepen discussion and **share knowledge** on the practice, theory and ethics of CH conservation
- It aims also to collect their needs and propose specific case studies **to find “ad hoc” solution.**
- It aims to stimulate **debates on validation protocols** for the novel materials and their best application





CSGI



WARRANT
GROUP®



ECHOES

Nano Rome, 26-29 September
2017 Innovation
Conference & Exhibition

WORKING GROUPS

WG 3 MUSEUMS AND ART COLLECTORS

It intends to increase the cooperation across international boundaries **to foster and support CH professionals** in their work with the development of advanced conservation methods. This includes:

- debates on practices that concern the conservation of CH collections;
- joint work with higher learning institutions;
- identify deteriorated movable and/or immovable tangible heritage requiring conservation approaches that differ significantly to those used ordinarily.





ECHOES

WORKING GROUPS

WG 4 MARKET PLACE

- It intends to support the **introduction on the market of new materials and methodologies**, also through the creation of spin off companies and SMEs.
- It also intends to **provide a guidance to conservators and conservation institutions**. Key activities are:
 - to create an **European repository** which collects all open-access information and results obtained within EU-funded projects;
 - to provide **a database of materials, analytical tools and practices**;
 - to support the creation of **an information system for laboratories**;
 - to provide a background for **establishing and standardizing good practices in CH conservation**.



CSGI



WARRANT
GROUP®



ECH OES

Nano Rome, 26-29 September
2017 **Innovation**
Conference & Exhibition

WORKING GROUPS

WG 5 CONTINUING EDUCATION

It intends to guarantee a continuing high-level training courses system on the **use of new materials and products in the conservation field** (e.g. workshops on the application of methodologies and the use of nanosystems) .





CSGI



WARRANT
GROUP®



ECH OES

Nano Rome, 26-29 September
2017 **Innovation**
Conference & Exhibition

WORKING GROUPS

WG 6 POLICY

- WG6 foresees the **involvement of representatives** from European, national and regional agencies in order to stimulate debates and influence policies and practices
- It seeks to play a major role within the discussion and preparation for the **next (9th) Framework Programme** which will cover the period 2021 – 2027.





ECHOES

CURRENT MEMBERS

Partner of the Nano-cathedral and Nanorestart projects





CSGI



WARRANT
GROUP®



ECHOES

Nano Rome, 26-29 September
2017 Innovation
Conference & Exhibition

NEWCOMERS



MNEMOSINE





ECHOES

2018 European Year of Cultural Heritage



The background is a light gray surface covered with a dense, chaotic pattern of black and red ink splatters, drips, and lines. A large, thin black circle is drawn on the right side of the image. The text "BECOME A MEMBER!" is centered in the middle of the image, written in a white, bold, sans-serif font with a black outline.

BECOME
A
MEMBER!



CSGI



WARRANT
GROUP®



ECH OES

Nano Rome, 26-29 September
2017 **Innovation**
Conference & Exhibition

CONTACTS



COORDINATOR:

Piero Baglioni – CSGI Director

baglioni@csgi.unifi.it



CONTACTS:

Isella Vicini – Warrant Group

isella.vicini@warrantgroup.it



Patrizia Zitelli – CSGI

patrizia@csgi.unifi.it



Nano-Cathedral



These projects has received funding from
the EU H2020 research and innovation
programme under grant agreement No
646178 and No 646063.

