



## MEMORI technology – start preventing, stop spending!

### Newsletter July 2013

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Museo Nacional Centro de Arte Reina Sofía  
Edificio Nouvel  
Fotografía: Joaquín Cortés/Román Lores

## MEMORI conference – registration open now!

Start preventing, stop spending – that's the key message of the MEMORI conference, which will take place **October 4<sup>th</sup>, 2013 at the Museo Nacional Centro de Arte Reina Sofía in Madrid, Spain**. The highly innovative MEMORI technology for mitigation of pollutant impact will be presented and discussed.

Heritage objects on exhibition, in storage or in transit may come into contact with a degrading environment. Indoor climate and light are often measured in heritage institutions, however, air pollution is seldom measured. The MEMORI technology is a new early warning system sensitive to the main degradation factors of indoor environments, which behave in a synergistic manner. MEMORI offers an instrument for preventive conservation with the aim of reducing costs to provide long term benefits for cultural heritage collections and to give a head start in coping with airborne pollutants. The key aspect of the MEMORI solution is that it will provide conservators with a tool which allows them to make more informed decisions.

Invited are restorers, conservators and curators of heritage institutions as well as representatives of art transportation services and companies active in restoration/conservation.

[Registration](#) is open now.

Further information on the MEMORI [technology](#)

Conference [programme](#)

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### MEMORI training school – save the date!

The MEMORI conference will be accompanied by a “training school” for restorers and curators who are interested in in-depth information about the MEMORI technology and in communication with heritage institutions which already tested the technology. The

training school will take place October 3<sup>rd</sup>, 14 h – 17 h in Madrid, and early registration is recommended: limited number of participants! The training school is free for all accepted participants.

#### Registration

The final programme is available from August 15<sup>th</sup>, 2013 [here](#)

A first draft is already published.

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### PISA training school – results online

On June 20<sup>th</sup>, 2013, a MEMORI training school took place in Pisa, Italy, in order to **present MEMORI technology and get feedback of Italian conservators**. The training school was part of the conference „Environmental Monitoring for Cultural

Heritage: from Research to Application“, which was organized by MEMORI partner University of Pisa, Department of Chemistry and Industrial Chemistry (Prof. Maria Perla Colombini) and Opa Pisa – the institution responsible for the Pisa cultural heritage sites. Around 60 high class professionals and decision makers from all over Italy and beyond took part in the one-day-event: representatives from conservation departments of museums, architects, geologists, archeologists, scientist (mainly chemistry), conservation/restoration companies, freelancers, service providers, museum operators.

The experts agreed that there is a lack of knowledge about airborne pollutants and their danger for cultural objects, which is one of the reasons why airborne pollutants are not measured. Participants also broadly agreed that awareness raising activities are needed in order to show damages and offer solutions for mitigation.

The full report of the outcomes is published [here](#)

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### MEMORI testing ongoing

Numerous heritage institutions all over Europe are currently testing the



(Picture: Testing at Museum of Cultural History, Oslo)

MEMORI technology: TATE London (United Kingdom), National Museum in Krakow (Poland), Museum of Cultural History, Oslo (Norway), English Heritage at Rangers House and Apsley House, both in London, among others. Also art transportation companies like SIT, Madrid (Spain), are included in testing as they regard the new technology as a valuable support measure for their services.

Results will be presented in the MEMORI conference and (in more detail) in the MEMORI training school.

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### Next presentations of MEMORI technology and services:

- **3rd European Workshop on Cultural Heritage Preservation (EWCHP) September 16 – 18, 2013, Bolzano/Bozen, Italy**

**Terje Grøntoft** (NILU - Norwegian Institute for Air Research) will give a workshop on September 18th, 2013: “The MEMORI system”; Measurements, effect assessment and mitigation of pollutant impact on movable cultural assets – Innovative research for market transfer.”

**Maria Perla Colombini** (University of Pisa, Department of Chemistry and Industrial Chemistry) will give a presentation at the same conference: “The impact of organic acids on varnishes in museum environments” and **Marianne Odlyha** (Birkbeck College London) will give a talk or present a poster (to be confirmed) on “Surface Analysis of Organic-based Cultural heritage: physicochemical characterisation and effect of nanoparticle-based conservation treatment”

[Programme and registration for EWCHP](#)

- **Chimica Analitica, September 15 – 19, 2013, Sestri Levante, Italy**

**Ilaria Bonaduce** (University of Pisa, Department of Chemistry and Industrial Chemistry) will give a presentation: “Il ruolo degli inquinanti ambientali sul degrado delle vernici pittori che di dipinticonservati in ambienti museali e cornici microclimatiche”

[Programme and registration for Chimica Analitica](#)

- **Metal 2013 (Icom-cc metals working group), September 16 – 20, 2013, Edinburgh, UK**

**David Thickett** (English Heritage) is giving a talk including the

MEMORI experiences at the conference Metal 2013: «Reactivity monitoring of atmospheres»

### [Programme and Registration for Metal 2013](#)

For more information about the MEMORI technology, please visit

[www.memori-project.eu](http://www.memori-project.eu) or contact

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#### **About MEMORI**

The MEMORI project, "Measurement, Effect Assessment and Mitigation of Pollutant Impact on Movable Cultural Assets. Innovative Research for Market Transfer", is supported by the European Commission under the 7th Framework Programme (Grant Agreement No 265132).