

DEFINITION OF STANDARD PROCEDURES FOR THE DIAGNOSTIC ANALYSIS OF MARBLE SURFACES IN INDOOR ENVIRONMENTS: THE CASE STUDY OF THE "VEILED CHRIST" (1753) IN NAPLES

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It is of paramount importance, for preservation and conservation means, to understand the need of periodic checks to avoid the definitive decay of works of art.

And nevertheless it is not to be ignored the economical cost of the diagnostic analysis that together with a structural lack of funds that are at disposal of the preservation of works of art make the planning of periodic checks very difficult or limited only to the more important masterpieces leaving out the majority of art works.

From the scientific point of view a great deal of effort is nowadays put to establish standard operation procedures (SOP's) which can be sustainable in the Cultural Heritage environment. It is useless to program a mass amount of analysis when the environment is not economically able to sustain them. It is more important to set a minimum required number of techniques and methods that with a strong scientific background can allow to SOP's to be fulfilled with masterpieces together with other more modest art works. A case study of this topic is the diagnostic analysis fulfilled in the Sansevero Chapel in Naples and mainly on the "Veiled Christ" (1753), one of the most expressive marble works ever produced.

Co-operatively with the management of the Sansevero Chapel (<http://www.museosansevero.it>) that put in agenda a periodic control of the conservation status of the Chapel, a working procedure is being established to fulfil the requested task.

Availing of transportable EDXRF and RAMAN systems together with microclimate sensors a spatial and chronological map of a set of chosen parameters linked to degradation processes are being drawn.

The project is planned to last other two years.

In this memory we are going to present mainly the results on the "Veiled Christ" in Naples together with some highlights on similar material projects and the work in progress SOP's that are being establishing for marble surfaces in an indoor environment.