Objective

The ability to identify and assess damage to cultural heritage in museums, in particular by indoor pollutants, is a major and growing concern for many curators and conservators. The purpose of this project is to evaluate the effect of pollutants, threshold values for damage, and local microclimatic anomalies using economical damage dosimeters. These have been developed and the novel contribution in this project is to extend their capabilities with the use of quartz crystal piezoelectric technology to provide a simple method for evaluation, eventually on a continuous basis. Monitoring of microclimatic conditions would also be performed and passive-sampling techniques will be used to measure pollutant levels. The resulting data will assist those responsible for historic buildings in improving the protection of precious paintings and tapestries, particularly on outer walls, from deleterious environmental effects.
Programme(s)

Topic(s)

Funding Scheme
CSC - Cost-sharing contracts

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