PROPAINT



(EU project FP6, 044254) Improved protection of paintings during exhibition, storage and transit – PROPAINT



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Aim of the Project

The EU project PROPAINT started in February 2007. The project aims to provide conservation staff and stakeholders with innovative protection treatments used as a preventive conservation measure for paintings during exhibition, storage and transit.

To achieve this aim, the following objectives will be investigated:

- Evaluation of the protective effect of microclimate • frames for paintings.
- Evaluation of the physical-chemical state and hence the protective effect of varnishes on paintings generally and in microclimate frames specifically.
- Contribution to preventive conservation strategy standards for microclimate control of paintings on display, in storage and in transit.
- Optimisation of microclimate control and its implication for design of new microclimate enclosures.



The NILU laboratory exposures, Oslo

Assessing the environmental conditions for paintings

Current approaches to the use of microclimate frames will be reviewed through consultation with end-users. Laboratory and field test programmes for evaluating the combined impact of pollutants and climate on paintings installed in microclimate frames will be



Apsley House, London,

performed. Early warning dosimeters developed in three previous EU funded projects (MIMIC, AMECP and MASTER) will be used to assess the degradation effect on varnishes and paintings. In addition, certain selected gaseous pollutants will be measured with the appropriate gas sampling techniques.

The results from the microclimate frames and varnish studies will be used to develop remediation guidelines for stakeholders, and contribute to standards for microclimate control for paintings. Finally, the results from these three work packages will be integrated in WP4 for the purpose of designing new

and better microclimate frames. This development will be made in close cooperation with the end users and their needs.

PROPAINT will develop best advice for protection of paintings

University of Pisa will do analysis of varnish ageing.



by the use of microclimate frames and varnish surface remediation treatments in order to assist managers and technical conservators in the field of painting conservation and support policy and decision makers. It will be the first time to exploit dosimeters, easy to handle, low cost and ready for the market, developed in previous EC projects. Their appropriateness and synergies of simultaneous use, for assessing the quality of environmental conditions of paintings, will be demonstrated.



SIT-Artvd laboratory, Madrid,

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More information

For more information about the PROPAINT project please contact the project co-ordinator Elin Dahlin, NILU, phone + 47 63 89 80 00 or elin.dahlin@nilu.no. Project website: www.nilu.no/propaint





The NILU EWO-G dosimeter

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The Birkbeck PQC dosimeter





The Fraunhofer Glass dosimeter







Tate Britain

RDAFA SC

SIT Intern

Fraunhofer Institut

National Muse in Krakov

The SIT-Artyd microclimate frames

University of Pisa

