Decay of Fresco Mural Paintings in Wooden Churches of Romania

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Introduction

Fresco painting on wooden support

During the 18th and 19th centuries, in the context of the Romanian wooden churches, frescoes have been adorned from inside and outside with fresco paintings. What makes these monuments particular is the nature of the support: wooden support (to which pigments were added), and preparation and pictorial layer (tempera), are included in a whole medium recognizable. Therefore, the conservation is to follow the traditional conservation of wooden supports in fresco paintings. The support (limestone) has already occurred and the decay has continued for several years to the present. What we observe is the beginning of a process of a very long range. In this very long range, the environmental conditions inside and outside play a key role. The conservation of frescoes in wooden support is a very complex process.

Microclimate Monitoring

Since December 2011 the indoor environment of the church has been monitored. The aim of the study is to establish the correlation between microclimate and deterioration by means of numerical modeling and direct tracing. The purpose of this research is to establish the correlation between microclimate and deterioration by means of numerical modeling and direct tracing. The purpose of this research is to establish the correlation between microclimate and deterioration by means of numerical modeling and direct tracing. The purpose of this research is to establish the correlation between microclimate and deterioration by means of numerical modeling and direct tracing.

Conclusions

The deterioration of the mural paintings seems to be closely connected with microclimatic conditions. The support (limestone) is an epiphenomenon of the support (limestone) as it is evident from the fresco paintings. The support (limestone) is already occurred and the decay has continued for several years to the present. What we observe is the beginning of a process of a very long range. In this very long range, the environmental conditions inside and outside play a key role. The conservation of frescoes in wooden support is a very complex process.

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Bibliography