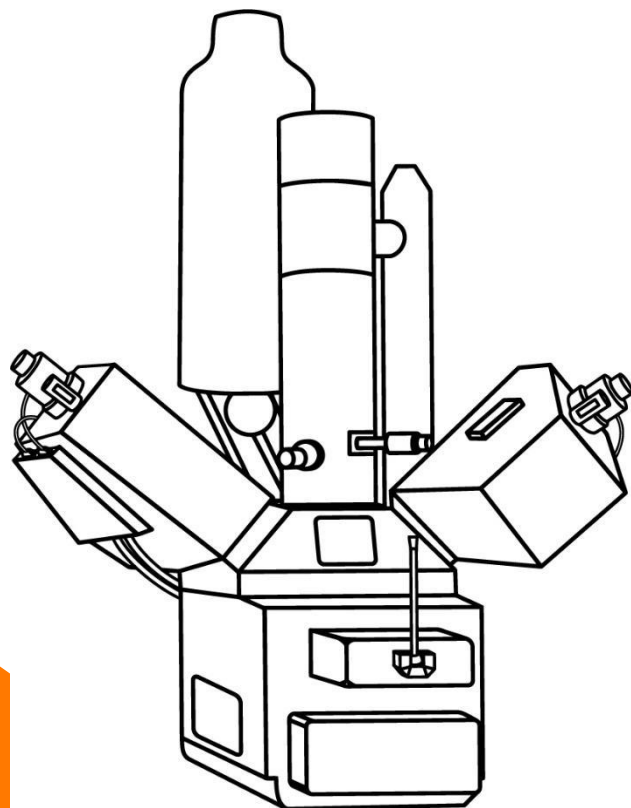


Electron Microscopy Results



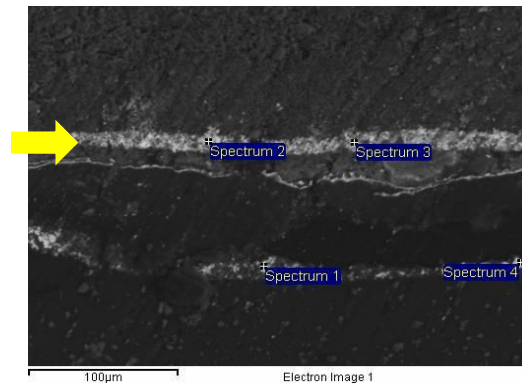
**Panagia (Virgin Mary)
Hodegetria**

The SciArt Project
2024

Results Report

Point of Interest 1: Red painting layer, from the elbow of Virgin Mary

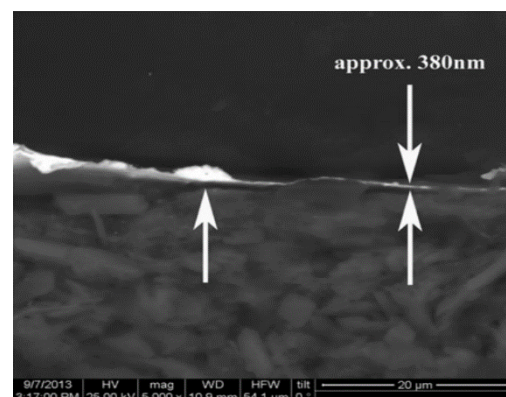
We are studying the cross section from the sample we collected from Point of Interest 1. The SEM image confirms that we have a number of different painting layers. The surface red one is spotted on the top of the cross section, as it is highlighted with the yellow arrow.



Now we can choose some spots on the layer of interest to continue our research.

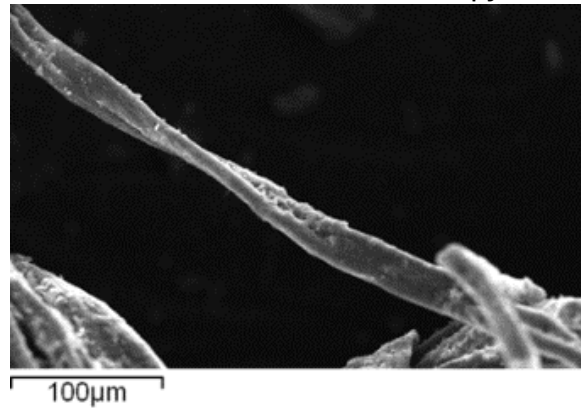
Point of Interest 2: Golden campus of the icon

We are studying the cross section we collected from Point of Interest 2. Through the level of magnification achieved with SEM, we can now locate the layer of golden colour, which is highlighted with the arrows.



Point of Interest 3: Textile sample from the left edge of the icon

The SEM images from the threads show us that its fibers present a ribbon-like form that seems to be slightly twisted.



We compare the SEM image we collected to SEM images from various threads that are used for textiles, and we observe that its features match with those of cotton fibers.

