



Phase 2 completed

This year we managed not only to finish the developing of the online platform but we also have elaborated several scientific papers and e-Learning content for webinars. The platform was successfully tested in a three weeks working field campaign at the Martyrs' Monument from Moisei in Maramures county. During almost three weeks we collaborated in a restoration project of the monument. Our ART4ART mobile laboratory was present with two cleaning lasers, a wireless microclimate sensor network and colorimetry and digital microscopy technologies. An IP camera was also used in order to test the online video transmission of the operations. The platform was successfully



tested and the experience offered a great feedback that was used to improve the platform's capabilities and accessibility.

The concept behind the online platform was presented at two international conferences (Evora-Portugal and Lodz-Poland) and the respective papers being selected for publication in the proceedings of the conferences. Another scientific paper, that describes the experience and conclusions of is currently under evaluation by an ISI indexed journal. Another paper was published in an ISI indexed journal, describing in-lab LIBS experiments realized in collaboration with professors from Universities of Cairo and Fayoum, Egypt.

Thirty six laboratory works, covering a wide range of methods and problems encountered in the conservation/restoration, were developed specially for the e-Learning section of the online platform, along with three main lectures for real-time online classes. Two such lectures were held this year at the Institute for Physics Chemistry in Vienna, Austria.

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Phase two conclusions

Scientific papers

- 2 oral presentations
- 2 papers in proceedings
- 2 lectures
- 2 papers in ISI indexed journals

E-learning content

- 36 lab works
- 3 lectures
- website access and guide

Online platform

- secure access
- consistent database
- friendly GUI
- always online