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ODOP_CORR

Development of a dedicated and open-source diagnostic tool for the critical sharing of knowledge on the corrosion of heritage metals

OBJECTIVES

Heritage metals are developing corrosion forms that are not always well documented due to the lack of existing corrosion models. The objective of the ODOP_Corr project is to enrich the knowledge on corrosion forms by involving the conservation community. Conservators are indeed in the best position to contribute to the existing corrosion models and create new ones using the MiCorr application (micorr.org).

PROGRAM

More precisely the project aims at :

- Developing online diagnosis based on a collaborative platform :

Conservators will be requested to actively contribute to the refining of existing corrosion models and the description of new models. The use of the MiCorr application will be disseminated to other professional communities such as corrosion scientists and archeometallurgists to eventually benefit from their contribution. Such communities do not describe corrosion forms according to the descriptive approached developed by Bertholon (Bertholon 2001). Their use of the MiCorr application will create new collaborative work between professional communities.

- Optimising the research tools of the MiCorr application :

The efficiency of these tools requires their use by a large community of experts coming from different domains, their critical review and their optimisation.

- Enriching the MiCorr database :

By enriching the database with new corrosion models, the efficiency of the diagnosis should be increased. Furthermore, it will impact positively the search tool by keywords.

FUNDING

HES-SO, Réseau de Compétences Design et Arts visuels.

PROJECT LEADER

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DURATION

18 months
1.1.2017 – 6.6.2018

Bertholon, R., Characterization and location of the original surface of corroded archaeological objects. Surface Engineering, 17 (3), 2001, 241-245