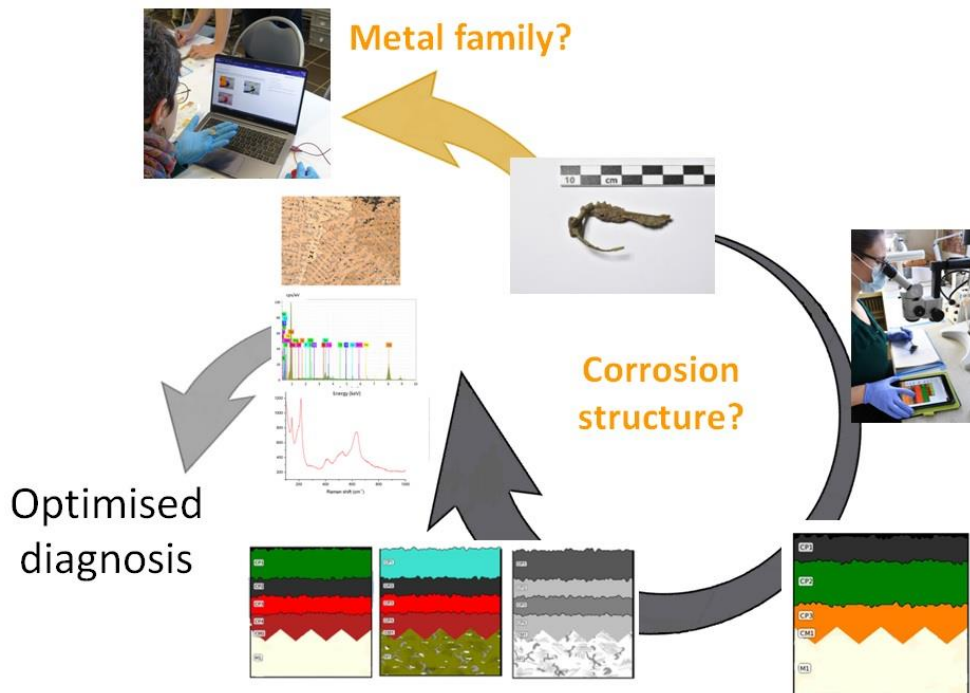


'Chemical Analysis in the Preservation of Cultural Heritage'

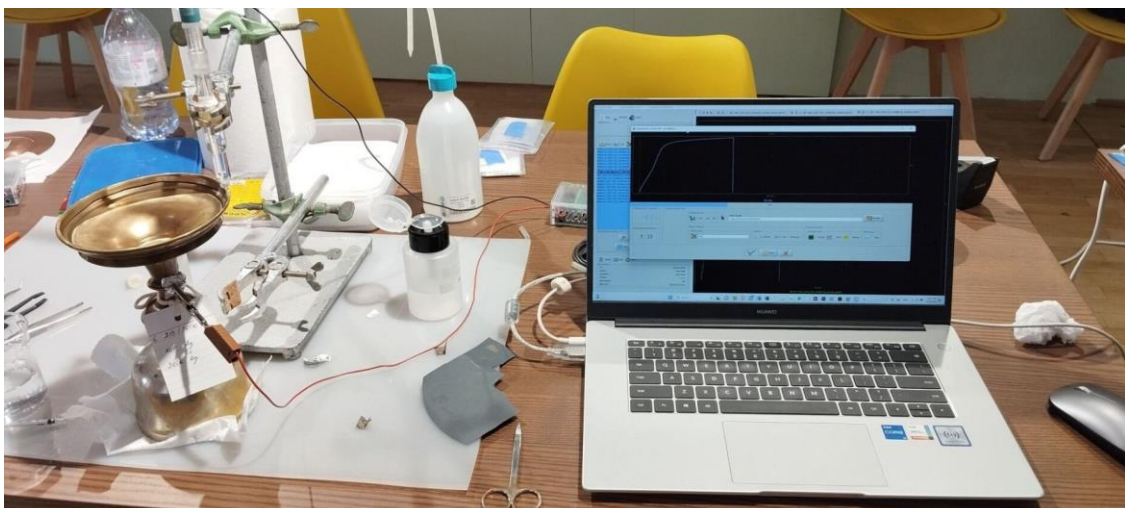
Workshop

Description of the three low-cost, portable, easy-to-use and easily accessible tools developed within the ENDLESS Metal project

- **MiCorr I**: identification of the family of metals based on their physical properties using a decision chain + **MiCorr II**: diagnosis based on the study of corrosion structures of heritage metals and their comparison with a database. MiCorr is a freely accessible online application (<https://micorr.org/>).



- **Discovery Mat**: analysis of metals based on their electrochemical behavior in 3 solutions and the comparison of results with those of a database. Discovery Mat uses a DIY voltmeter and a reference electrode in a junction tube as well as a dedicated freely accessible online application (<http://discoverymat.he-arc.ch:8080/>).



- **Pleco** is a DIY hardware (electrolytic pencil) used to study corrosion layers through corrosion potential monitoring versus time, linear sweep voltammetry and chronoamperometry (<https://pleco.fablab-neuch.ch/plus.php?%20id=1&lang=en>).



Practical application of these analytical tools is demonstrated on ENDLESS Metal webpage: <https://endlessmetal.portasap.eu>