



Horizon Europe Matchmaking Event on Cluster 2
(Culture, Creativity and Inclusive Society)
on Tuesday, 11 May 2021 at 9:00 am CET

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XRF Analysis Facility – Culture Heritage objects

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XRF analysis facility on NED-NTUA

consists of

**SiLi Detector
Canberra
Industries**



**X-ray Chamber:
(50 kV, 1.0 mA)**



Electronics : Amplifier (2025
Canberra Ind.)
Multichannel Analyser (8000A
Amptek Ind.)

**Nuclear
Electronics**



Project idea

- Cooperation in analyzing small or medium size cultural heritage objects: coins, clay fragments (for origin or color preparation), paintings - ecclesiastical painting (color origin and preparation), etc.
- Gaining experience from more specialized labs, sharing good practices, opportunity to visit labs
- Opportunity to compare methods, equipment and find low cost facilities around.
- Study cultural heritage objects of different kinds.
- Sharing Reference Materials available in different labs.
- Attract students in STEM and explain physics in non-STEM students/people