

## Cultural heritage

CERIC Partner Facilities can support cultural heritage conservation, offering a wide set of complementary characterisation techniques, essential due to the complexity and heterogeneity of samples. CERIC offers low or non-destructive analytical methods and provides information from atomic to the structural level of samples.

- Characterisation; damage and treatments





## **Characterisation; damage and treatments**

CERIC offers a unique combination of complementary techniques for the easier interpretation of structures and materials. CERIC Partner Facilities can provide definition of the provenance and the appropriate cleaning and conservation treatment through, for example, high-resolution characterisation of metal threads or inorganic/metal pigments from liturgical vestments, folk costumes, paintings or the composition of antique coins.

CERIC offers 3D tomographic imaging of objects with a resolution of few to hundreds of microns, and 3-D imaging by thermal neutrons for bulky objects, in a non-destructive way, providing high-quality imaging inside objects.

CERIC can also provide monitoring of material damage caused by exposure to radiation.

