



COLLOQUIA ON PORTABLE X-RAY FLUORESCENCE  
The International p-XRF Network

*Prof. Ioannis Liritzis (Dean Class IV) and Dr Michaela Schauer (UNIVIE) cordially invite you to participate in the 1<sup>st</sup> talk of the colloquium series 2025 (online via ZOOM):*

SOFIA SOARES

With

Teresa Pena

LNEG - Portuguese National Laboratory of Energy and Geology  
and

Patrícia Jodão

UNIARQ - Research Centre of the School of Arts and Humanities of the University of Lisbon  
Which Rock is This? - Challenges for pXRF Studies in Raw Material Provenance

**ABSTRACT**

The presentation will concentrate on the application of portable X-ray fluorescence (pXRF) technology for analyzing geological materials, including rocks and minerals. We will cover the context of its usage, the protocols for both bench and *in situ* analysis, as well as some calibration methodologies. Case studies from calcrete, waste rock and tailings will demonstrate the analytical methods used and initiate the discussion on research related to raw material provenance.