

# C<sup>2</sup>TN Workshop on Earth Systems, Radioactivity and Cultural Heritage (ESRCH)

30 November 2023 | 09:30

## Programme

**9h30** – Opening and Welcome – **Paula Carreira** (Thematic strand's coordinator)

### Cultural Heritage

**9h45** – **Susana Sousa Gomes** | Roman lead metallurgy from the archaeological site of Monte Molião (Lagos)

**10h00** – **Ana Luísa Rodrigues** | An interdisciplinary approach for uncovering the dynamics of construction, use and abandonment of Roman military camps in Northwest Iberia

**10h15** – **Victoria Corregidor** | Interpreting the X-rays induced on Queen Catarina of Bragança and King Charles II of England medallions

**10h30** – **Pedro Valério** | Prehistoric copper metallurgy of Setúbal Peninsula and its integration in the southwestern Iberian Peninsula

### Environmental Radioactivity

**10h45** – **Margarida Malta** | The national environmental monitoring program for radioactivity (Portuguese Environment Agency)

**11h00** – **Nuno Canha** | RadAR project - Students as key players on radon management – A citizen science approach

### Environment and Climate Change

**11h30** – **Catarina Louro** | Evaluation of the content of trace elements in antarctic soils (South Shetland Islands) - Preliminary results

**11h45** – **Joana Madureira** | Effect of electron beam radiation on the bioactive properties of egg proteins

**12h00** – **Carla Gamelas** | Microplastic contamination of lettuces grown in urban vegetable gardens in Lisbon (Portugal)

**12h15** – **Carolina Vicente** | Implementation of the oxidative potential assessment of aerosols at C<sup>2</sup>TN

### Geoprocesses, Strategic Resources and Global Change

**12h30** – **Andrés Cardenas** | Size fraction influence in the REE and other trace elements behaviour of soils and sediments from Quinta do Bispo old uranium mine

**12h45** – **Cynthia Obregón** | Rare earth elements distribution in different particle size of soil and sediment samples from a legacy polymetallic sulphide mine in Portugal: case study from a passive treatment system

**13h00** – **Paula Galego Fernandes** | Study of Benavila bentonites for use as radiocaesium barrier

**13h15** – Discussion & Closing Session

**INFORMATIONS** | The workshop will be held at **CTN auditorium** and also online (via Zoom). To participate online, please use the following link: <https://videoconf-colibri.zoom.us/j/94024495153?pwd=alNWdzZyS1cyQzZFMWVGyIZRVDByUT09>