

CERENA

CENTRO DE RECURSOS NATURAIS E AMBIENTE

SEMINÁRIOS 2023: Forward Past, what's next?

SEMINARS 2023: Forward Past, what's next?

FORWARD PAST, WHAT'S NEXT?



CERENA's mission is to develop research at the highest level of excellence related to the sustainable use of natural resources, including energy, as well as their impact on the environment. CERENA uses an approach that is simultaneously integrative, multidisciplinary and multi-scale, from the molecular level to the planetary scale, where researchers from different scientific fields - earth, chemical and material engineering - converge towards the same objectives.

In 2023 we are organizing the Seminar Series '*Forward past, what's next?*'. This cycle of Seminars focuses on the results and achievements of projects already completed or in progress, with the aim of preparing the FCT R&D Unit Assessment by the end of this year. Our achievements in recent years will be revisited as the solid foundations on which we will build the strategic project that we intend to develop in the coming years.

The seminars are at **12:30-13:30**. Attendance is free, but **registration is mandatory** until 10 days before each seminar. Please visit <https://cerena.tecnico.ulisboa.pt/events> for details.

FORWARD PAST, WHAT'S NEXT?



January 26 – Técnico Central Building, Room C13

António Fiúza, CERENA-FEUP

Project SHS - Soil health surrounding former mining areas: characterization, risk analysis, and intervention

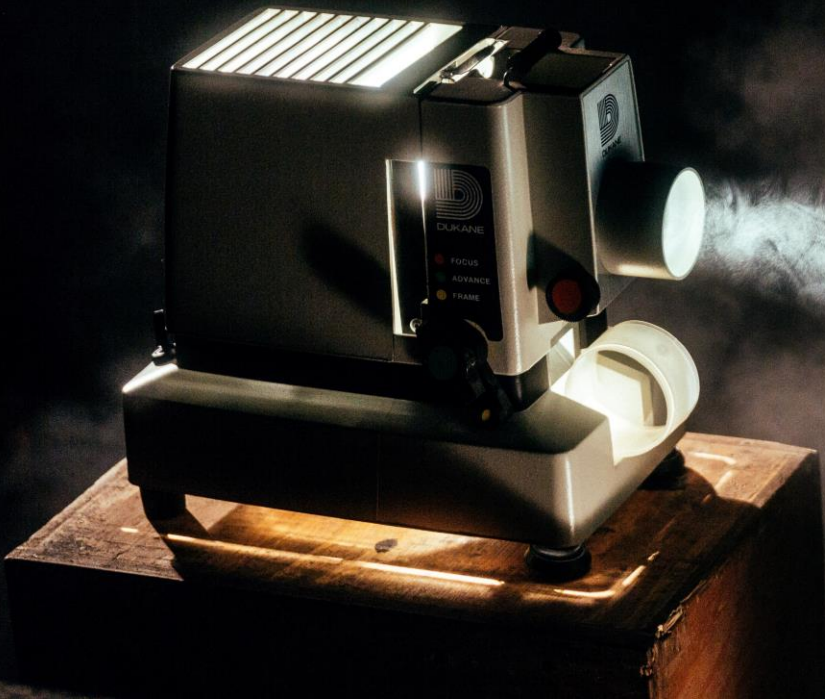
Keywords: Environmental Modelling, Mitigation and Remediation

Rui Sousa, CERENA-FEUP

Project FAME - Flexible and Mobile Economic Processing Technologies

Keywords: Engineering, Environment, Mineral Resources and Bio-Resources, Processes and Systems Modelling, Resources and Raw Materials

FORWARD PAST, WHAT'S NEXT?



February 23 – Técnico Central Building, Room C13

Abeer Al Mohtar, CERENA-Técnico

Project NEMOSINE - Innovative Packaging Solutions For Storage and Conservation of 20th Century Cultural Heritage of Artefacts Based on Cellulose Derivative

Keywords: Eco-innovative materials, Resources and Raw Materials

Leonardo Azevedo, CERENA-Técnico

Project inTheMed - Innovative and Sustainable Groundwater Management in the Mediterranean

Keywords: Environment, Environmental Modelling, Mitigation and Remediation

FORWARD PAST, WHAT'S NEXT?



March 27 – Técnico Central Building, Room C13

Ana Clara Marques, CERENA-Técnico

Project SOLAR2CLEAN - Engineered solar light driven photocatalytic systems for wastewater purification

Keywords: Eco-innovative materials, Energy, Environment, Mitigation and Remediation, Reuse, Reduce and Recycle

Rui Galhano dos Santos, CERENA-Técnico

Project BETTER PLASTICS – Plastics in a circular economy

Keywords: Circular economy, Eco-innovative materials, Engineering, Processes and Systems Modelling, Resources efficiency

FORWARD PAST, WHAT'S NEXT?



April 27– Técnico Central Building, Room C13

Susete Martins-Dias, CERENA-Técnico

Project PhytoCharMe - A circular economy approach for the valorisation of soils in abandoned mine sites by using phytoremediation combined with biochar

Keywords: Circular economy, Environment, Mitigation and Remediation

Amílcar Soares, CERENA-Técnico

Project Real-Time Mining - Real-Time optimization of the extraction and the logistics process in highly complex geological and selective mining settings

Keywords: Processes and Systems Modelling, Resources and Raw Materials, Resources efficiency

FORWARD PAST, WHAT'S NEXT?



May 25 – Técnico Central Building, Room C13

Sandra Heleno, CERENA-Técnico

Project ALTITUD3 - Assessment of Low-cost Aerial Intelligent systems for natural Terrain 3D mapping

Keywords: Environmental Modelling, Natural and Technological Hazards, Remote Sensing

João Fonseca, CERENA-Técnico

Project SHAZAM - Seismicity and HAZards of the sub-saharian Atlantic Margin

Keywords: Natural and Technological Hazards

FORWARD PAST, WHAT'S NEXT?



June 29 – Técnico Central Building, Room C13

João Gomes, CERENA-ISEL

Project CERASAFE: Safe Production and use of nanomaterials in the ceramic industry

Keywords: Natural and Technological Hazards

Manuel Ribeiro, CERENA-Técnico

Project SCOPE-Spatial Data Sciences for COVID-19 Pandemic

Keywords: Environmental Modelling

FORWARD PAST, WHAT'S NEXT?



July 27 – Técnico Central Building, Room C13

Margarida Mateus, CERENA-SECIL

Project CCL – Clean Cement Line

Keywords: Alternative Energy Sources, Eco-innovative materials, Energy, Energy Efficiency, Engineering, Environment, Low carbon Energy, Processes and Systems Modelling

Henrique Matos, CERENA-Técnico

Project IProPBIO - Integrated Process and Product design for Sustainable Biorefineries

Keywords: Circular economy, Eco-innovative materials, Energy, Energy Efficiency, Engineering, Environment, Low carbon Energy, Processes and Systems Modelling, Resources and Raw Materials, Resources efficiency



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