



CERENA

Centro de Recursos
Naturais e Ambiente

JUNE 2026

**20 YEAR
EDITION
#6**



SCIENCE IN MOTION

YOUR MONTHLY CERENA NEWS

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A message from the President

We have long described CERENA as a multidisciplinary centre. This characteristic is, indeed, a defining element of our identity and underpins the way we approach the pressing global challenges within our three core scientific streams: energy, raw materials, and environment. However, there is more that distinguishes CERENA and makes our community truly unique. Our research is intrinsically connected to industry, enabling the development of innovative solutions that drive technological advancement and promote effective lab-to-market transitions. This month's edition of CERENA's Science in Motion Newsletter offers a compelling illustration of these two defining dimensions: **multidisciplinary and strong industry engagement**.

We are proud to celebrate the first PhD theses completed under the CERENA PhD Studentships, awarded within the framework of the CERENA Project (2018–2023). This initiative was designed to encourage our integrated members to pursue and develop collaborative, cross-domain research topics. The results speak for themselves: these first theses highlight the broad range of our research, spanning topics from stone-built heritage to carbon capture, utilisation, and storage. The bar has been set high, and we eagerly look forward to the completion of the remaining cohort. The interviews with Roberta and Shahmir are particularly insightful and not to be missed.

In parallel, we continue to strengthen our connection with industry through strategic partnerships. The **recent agreement with Minerália** – Minas, Geotecnia e Construções, Lda – stands as an excellent example of this effort. Such collaborations reinforce CERENA's position at the forefront of the energy and digital transitions, while ensuring that our research continues to generate tangible impact. We encourage our community to stay engaged, as additional partnerships are already in the pipeline.

Leonardo Azevedo

May highlights

CERENA/IST and Minerália signed cooperation agreement



CERENA – the Centre for Natural Resources and Environment of Instituto Superior Técnico – and Minerália – Minas, Geotecnia e Construções, Lda. have signed a cooperation agreement to promote joint activities in research, innovation, advanced training, and knowledge transfer in the mining sector.

The collaboration will focus in particular on the **Borralha Mine project**, which focuses primarily on **tungsten**, a strategic raw material for the European Union. The agreement also reflects a shared commitment to responsible and sustainable mining practices, contributing to the circular economy, while promoting closer links between academia and industry, and the training of highly qualified professionals for the sector.

May highlights



CERENA Annual Meeting

On **14 and 15th May 2026**, CERENA's researchers reunited at Foz do Arelho for their fifth Annual Meeting. This yearly meeting is fundamental for CERENA researchers from the three host institutions – Técnico, ISEL, and FEUP – to **come together, discuss science and promote multidisciplinary**.

The meeting started with the welcome session by CERENA's Coordinator, Leonardo Azevedo, highlighting the investment in equipment and software and the integration of new members.

Adilson Freitas, João Narciso, Ricardo Araújo, Rosana Pinto, Beatriz Bento, and Joana Lobo Antunes, some of CERENA's newest members, presented their research goals in 10-minute presentations. The projects comprise very different topics that showcase CERENA's multidisciplinary: from Adilson's focus on the photodegradation of organic pollutants to Joana's goal of understanding the impact of science communication activities, this session was very enriching!



May highlights

CERENA Annual Meeting

The afternoon was focused on team-building activities. The “Mission and Identity” session challenged participants to work in groups to think about CERENA’s position in the national and international scientific landscapes. The answers showed the advantage of different minds coming together – every group proposed different strategies, taking advantage of their members’ strongest skills. To enjoy the sunset at the beach, the participants were challenged by the staff team (Telma Henriques, Tiago dos Reis, Joana Barrelas, Silvia Carvalho, and Catarina Gonçalves) to build the human logo of CERENA. The day finished with the PhD students’ activity to build stronger links between members, in which participants were divided into groups and invited to share a fact and a lie about themselves. The groups had to guess who was telling the truth. It was a fun time with detective work! The groups were also challenged to propose a new CERENA logo, which they built using Play-Doh.



May highlights



CERENA Annual Meeting

The second day of the Annual Meeting was devoted to the group leaders of CERENA's three main groups – Raw Materials, Environment, and Energy. Rui Galhano, Maria de Lurdes Dinis, and Rui Filipe (replacing João Gomes, who could not be present) talked about the challenges in their groups, while highlighting the necessity of improving communication among researchers to propose more interdisciplinary projects for future applications. The day finished with presentations by the Communication and Pre-Award Office. Catarina Gonçalves and Joana Barrelas took this opportunity to, respectively, show researchers how they can take advantage of CERENA's communication channels and how the Pre-Award support can help them in applying to competitive calls.

These were enriching days for everyone, and we can't wait to meet again next year.



CERENA's human logo - one of the team building activities of the Annual Meeting

May highlights

CERENA Seminar

On **28th May 2026**, CERENA hosted a seminar focused on *An integrated alkaline carbonate leaching process for producing APT (Ammonium Paratungstate) from Scheelite*. António Fiuza took this opportunity to explain the challenges associated with the production of ammonium paratungstate (APT). The operation is usually complex, involving several steps, with the extraction of impurities often being difficult.

Some studies are being carried out to overcome this limitation, although leading to additional challenges that were successfully overcome. This seminar fully showed the relevance of sharing information among researchers to come up with out-of-the-box solutions.



Roberta and Shahmir share their PhD journey at CERENA

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This month, to celebrate CERENA's 20th anniversary, we highlight two recent PhD graduates - **Roberta Lobarinhas** and **Shahmir Noshervani**. Both Roberta and Shahmir were awarded FCT PhD Studentships as part of the CERENA FCT Project 2018-2023.



Roberta's PhD work focused on assessing the effects of high temperature on natural stones, while Shahmir aimed to improve the economic feasibility of carbon capture, utilization, and storage (CCUS). Both of their projects successfully took advantage of the center's multidisciplinary nature.



Roberta and Shahmir share their PhD journey at CERENA

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For Roberta, the possibility of doing an Erasmus in Vigo was a major advantage. In her 3-month stay, Roberta was able to work with equipment that, previously, was not available at CERENA, which was fundamental for her final results demonstrating an innovation in non-invasive techniques to assess stone. Her results favored a better understanding of stone damage with both heritage and commercial applications.

Roberta highlights the autonomy in research, the possibility of teaching classes, and interacting with companies as some of the major advantages of her PhD, allowing her to acquire a diverse skill set that will be fundamental throughout her career. The good work environment fostered at CERENA, as well as the possibility of having a PhD community within the research center, made the PhD journey more enjoyable.



Shahmir shares Roberta's views on the work environment, highlighting as well the fundamental role of his supervisors. Shahmir's project was a joint project between CERENA's supervisors from chemical and energy resources engineering, being the perfect sum up of CERENA's multidisciplinary and a step forward when considering applying to more competitive projects.

Roberta and Shahmir share their PhD journey at CERENA

20 YEAR
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During his PhD, Shahmir developed a tool to understand how real-world data can be used and improved for economic benefits in CCUS. In Shahmir's words, this was a result of the freedom given by his supervisors, which allowed him to freely explore his theme while guiding him in the process.



Both Roberta and Shahmir highlight the necessity of hard work for future PhD students while maintaining a healthy lifestyle. You have to be patient, as a PhD is a long journey. Embrace your curiosity for a scientific topic, but be prepared to come up with clever solutions for the problems you encounter!





Community news

CERENA researchers participate in DEQ Open Laboratories

In the end of April, Amélia Lemos, Francisco Lemos and Rosana Pinto participated in the Department of Chemical Engineering (DEQ) of Instituto Superior Técnico Open Laboratories. Amélia and Francisco Lemos gave a talk about how engineering could be used to serve humanity, while Rosana focused on how metallic organic frameworks can be used as magical sponges of the future.

Rui Galhano showcased experiences about “*Chemistry, Innovation and Sustainability*” for the high school students who visited the open laboratories.





Ricardo Araújo presents PaleoMoz at Ismaili Center

On **4th May 2026**, Ricardo Araújo participated in the presentation session of AKDN-FCT Projects, where he presented **PaleoMoz's** latest results. This session brought together projects funded by Fundação para a Ciência e a Tecnologia (FCT) and the Aga Khan Development Network at the Ismaili Center in Lisbon.

The PaleoMoz project focuses on research on vertebrate paleontology and the valorization of Mozambique's fossil heritage.

This session reunited projects funded by the partnership between the Education, Science, and Innovation Ministry and the Ismaili Imamat as part of the Protocol for Scientific and Technological Cooperation. PaleoMoz used this opportunity to showcase its contribution to the evolutionary history of vertebrates in Austral Africa. PaleoMoz is also contributing to the scientific training, local capacitation, and promotion of paleontologic heritage of Mozambique.

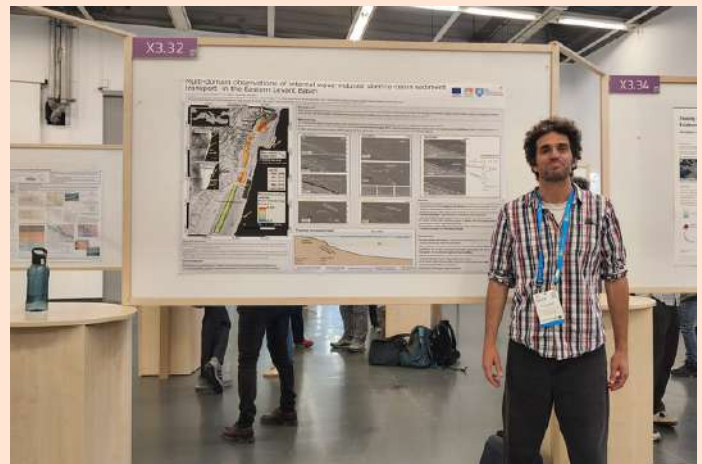
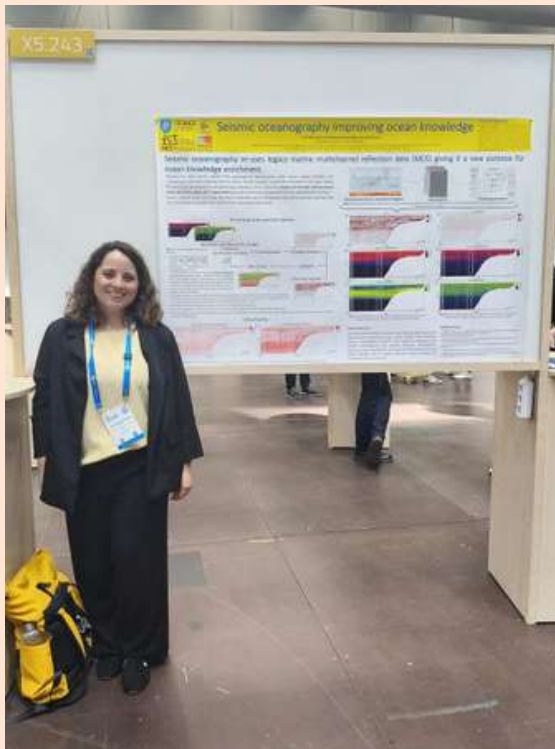




Community news

Ana Filipa Duarte and Omri Gadol go to conference in Vienna

On **6th May 2026**, Ana Filipa Duarte and Omri Gadol went to the European Geosciences Union General Assembly, which took place in Vienna, where they presented their work. Congratulations!

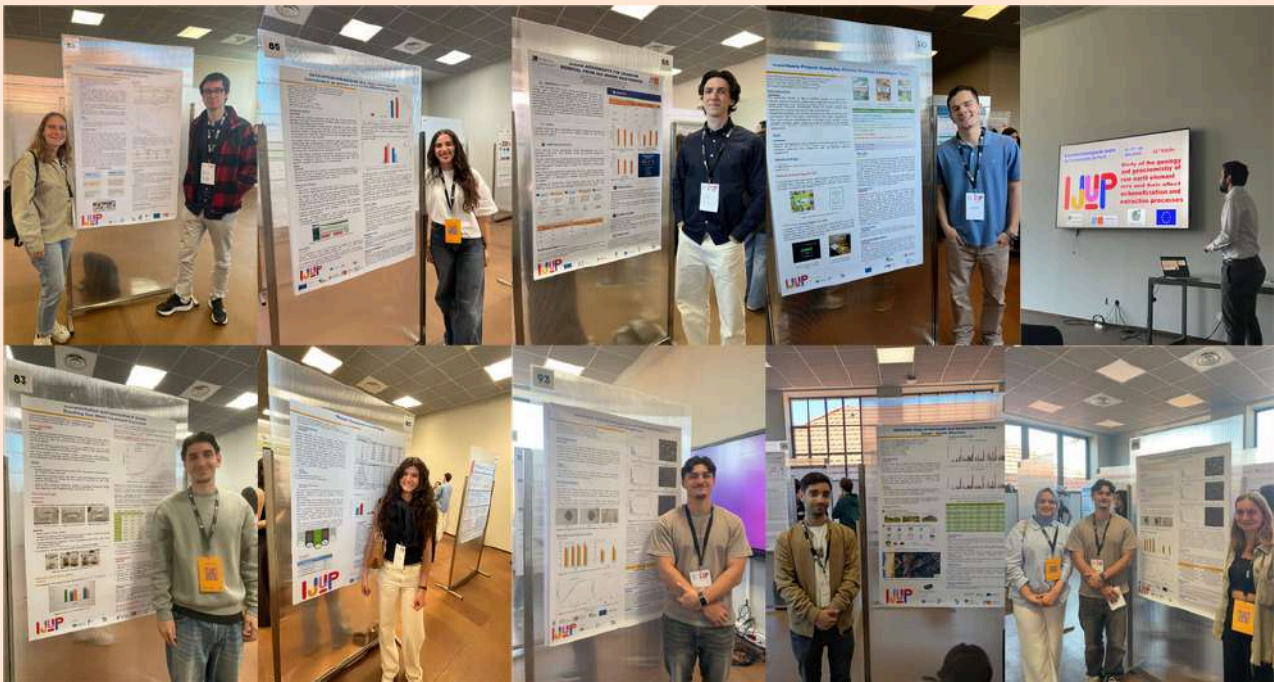




Students participate in Meeting of Young Researchers at U. Porto

The students from the Mining and Geoenvironment Bachelor's and Master's Degree, as well as the Environment Engineering Bachelor's and Master's Degree, participated in the **Meeting of Young Researchers of U.Porto (IJUP)**. They showcased the results obtained as part of the **REESource**, **ValorWaste**, and **RESTAURA** projects through the presentation of 8 posters and one oral communication.

Congratulations to the students Pedro Leitão, Jorge Castanheira, Pedro Garabal, Ana Fafe, Eduardo Amorim, Eduardo Ferreira, Joana Sampaio, Pedro Meixedo, and Simão Martins for representing CERENA on this occasion! Congratulations as well to the supervisors Beatriz Bento, Bouthayana Kjidaa, Maria de Lurdes Dinis and Maria Cristina Vila!





João Narciso and Alexandre Frazão meet with EAGER partners

On **13th May 2026**, João Narciso and Alexandre Frazão, as part of the **EAGER** team, met with project partners in Madrid at Hovering Solutions' facilities.

The EAGER project aims to transform the future of mineral exploration through the integration of autonomous drone technology and advanced geophysical sensors. It is supported by EIT RawMaterials and co-funded by the European Union.



In this meeting, João and Alexandre presented the FDEM sensor setup and shared insights about the system. It was also a very good opportunity to exchange updates across the different work packages, ensuring the project continues to progress according to plan.

Besides CERENA, the EAGER consortium includes another technological partner, Hovering Solutions, a mining partner, Sandfire MATSA, and Fundación Gómez Pardo, who is the project coordinator.





CERENA Researchers participate in Outreach Activities

This month, CERENA researchers participated in different outreach activities. On **12th May 2026**, Gustavo Paneiro visited Agrupamento de Escolas Madeira Torres, where he presented the formative offer on Mining and Energy Resources Engineering. Gustavo highlighted the work carried out at CERENA, where he demonstrated the importance of Mining Engineers by engaging students in a practical activity. The students had to find out the necessary minerals to produce objects we use in our daily lives.



On **18th May 2026**, CERENA received a group of second-grade students from Escola Pedro Nunes. Miguel Silva, master student of Ricardo Araújo, and Vera Pires promoted activities in the **Geosciences Museum**. The students explored the minerals in the museum and were engaged in a game to understand what daily life objects require mineral resources to be produced.





Community news

On **19 and 20th May 2026**, CERENA researchers Beatriz Bento, Gonçalo Pereira, and Pedro Meixedo, participated in the Vila do Conde Science and Technology Fair, organized by the Vila do Conde Ciência Viva Centre. Over the two-day event, more than 2,000 visitors attended, including students, teachers, families, and members of the general public, creating a dynamic environment for interaction and scientific outreach.



The CERENA stand stood out for its strong interactive and educational component, featuring several educational games focused on mineral resources, sustainability, and the circular economy. Among the activities presented was an interactive game exploring the relationship between minerals and everyday objects, as well as the games "The Circular Challenge" and "Green Treasure Hunt", developed under the ValorWaste and Risbriefcase projects (EIT Raw Materials).



Community news

"The Circular Challenge" game invited participants to take on the role of CEOs of mining companies, challenging them to manage resource extraction, comply with waste management regulations, and implement circular economy strategies. The "Green Treasure Hunt", a board game aimed at younger audiences, has the goal of raising awareness to responsible mining, recycling mining waste, and circular economy principles through a fun and educational approach.

Participation in this initiative helped bring scientific research closer to the community, promoting scientific literacy and raising awareness of the importance of mineral resources and sustainability in the development of modern society.





Community news

On **20th May 2026**, Paula Falcão Neves went to Escola E.B 2,3 Santa Iria da Azóia where she engaged with a seventh-grade and an eighth-grade class, about the importance of mineral resources and mining exploration.



On **23rd May 2026**, Orquídia Neves participated in "Experimenta o Futuro", an activity from Universidade de Lisboa that aimed to showcase the research done at the University with hands-on activities. On this occasion, Orquídia demonstrated how different waters present different mineralization characteristics and how these characteristics correlate with the lithologies through which water circulates.





Community news

Henrique Garcia Pereira presents his new book



On **28th May 2026**, Henrique Garcia Pereira presented his new book "O Técnico Insurgente dos anos 60 e o seu enquadramento socioeconómico" at the Técnico Innovation Summit (TIC).

CERENA signs agreement for license donation



This month, CERENA signed an agreement for the donation of licenses of HampsonRussel from Geosoftware - a software for greater subsurface understanding. The donation comprises 26 academic licenses with an estimated value of 2.6 million euros and are available for the entire CERENA community for teaching and research.

Maria de Lurdes Dinis is guest editor in Processes



Maria de Lurdes Dinis is guest editor of the Special Issue "*Advanced Technology in Mineral Processing and Extractive Metallurgy*" of the Processes Journal, an Open Access Journal by MDPI. The deadline for submissions is 30 September 2026.



CERENA takes part in international consortium to reinforce Europe's strategic autonomy in critical raw materials

This month, the participation of CERENA in an **international consortium to reinforce Europe's strategic autonomy in critical raw materials** was announced.



Xcalibur Smart Mapping, a global leader in the airborne and mapping geophysics industry, leads the consortium, which also includes CERENA, **ISpra** (Superior Institute for the Environmental Protection, Italy), and **IGME-CSIC** (Geological and Mining Institute, Spain), and counts on the strategic guidance from key stakeholders, including **EuroGeoSurveys** and **Eurometaux**.

The present initiative – **GREENMETALS MAPPING** was awarded by EIT RawMaterials, and aims to deliver European-scale digital infrastructure for AI-powered resource intelligence. It fully aligns with the Critical Raw Materials Act (CRMA), the European Green Deal, and key EU sustainable frameworks, including CSRD and the EU Taxonomy. The platform integrates two modules: a **Geospatial Intelligence Suite**, for predictive exploration and risk mapping, and a **Circular Economy KPI Dashboard**, which delivers traceability, carbon metrics and ensures EU-aligned reporting capabilities.

In the words of Leonardo Azevedo, *"Increasing the EU's resilience to critical raw materials supply and accelerating the implementation of the CRMA requires easy-to-access, structured and up-to-date information for decision-makers and communities. GREENMETALS MAPPING addresses these challenges with the development of state-of-the-art Earth-centred AI and advanced geo-modelling tools to support the sustainable green and digital transition."*

Read the full news [here](#).



Joana Lobo Antunes presents at SciCom PT

This month, Joana Lobo Antunes and Catarina Gonçalves went to SciCom PT - the conference that reunites science communicators in Portugal. In this edition, the participants reunited in Évora, under the theme **“Science - Heritage for the future”**, presenting engaging projects from very different scientific fields. Joana presented the podcast she was part of in Técnico **“100 stories, 100 objects”** as part of the celebration of the 100th anniversary of Técnico.



Técnico recognizes Excellent Teachers

As part of the celebration of Técnico's Day (**22nd May 2026**), as it has become tradition, Técnico awards diplomas to Excellent Teachers and Students. CERENA's researchers from the mining and energy resources department (Ana Filipa Duarte, Baraa Osman, Gustavo Paneiro, José Manuel Marques, Manuel Ribeiro, Maria Amélia Dionísio, Miguel Gomes, Paula Falcão Neves, and Pedro Bernardo) and from the chemical engineering department (Ana Clara Marques, Ana Paula Soares Dias, António Mariquito, Henrique Matos, Lucas Marcelino, Maria Rosinda Ismael, Maria Teresa Reis, Marta Lourenço, Moisés Pinto, Rui Galhano, and Tânia Frade Costa) were distinguished in these awards. Congratulations to all awardees!



Amélia Dionísio participates in Meet the scientist

On **27th May 2026**, Amélia Dionísio participated in **Meet the scientist** - an encounter promoted by Pavilhão do Conhecimento between scientists and primary school students. Amélia engaged students in the difference between rocks and minerals, taking advantage of practical activities. The full news can be read [here](#).



Image credits: Ciência Viva



PhD Defenses



On **8th May 2026**, Shahmir Noshervani defended his PhD, entitled *From Capture to Storage: How Carbon Dioxide Impurities Impact the Value Chain*. Shahmir was supervised by Leonardo Azevedo and Moisés Pinto. **Congratulations Shahmir!**

On **26th May 2026**, Ana Filipa Duarte defended her PhD, entitled *Geostatistical Tools for Smarter Ocean Sampling and Modelling*. Ana Filipa was supervised by Leonardo Azevedo and Renato Mendes. **Congratulations Ana Filipa!**



On **29th May 2026**, Tiago Taborda defended his PhD, entitled *Static Optimization and Dynamic Modeling of Microalgae Production in Photobioreactors*. Tiago was supervised by Francisco Lemos, José Carlos Pires and Sara Badenes. **Congratulations Tiago!**





Note to the community

All members are kindly reminded that any publications, presentations, papers, or other dissemination materials should acknowledge CERENA as follows:

- **CERENA** – *This work was financially supported by: UID/04028/2025 (<https://doi.org/10.54499/UID/04028/2025>) of the CERENA – Research Center for Natural Resources and Environment, funded by Fundação para a Ciência e a Tecnologia, I.P./ MECI through the national funds.*
- **When using equipment from PRR** – *This work was financially supported by: UID/04028/2025 (<https://doi.org/10.54499/UID/04028/2025>) and UID/PRR/04028/2025 (<https://doi.org/10.54499/UID/PRR/04028/2025>) of the CERENA – Research Center for Natural Resources and Environment, funded by Fundação para a Ciência e a Tecnologia, I.P./ MECI through the national funds.*
- **When using equipment from PRR2** – *This work was financially supported by: UID/04028/2025 (<https://doi.org/10.54499/UID/04028/2025>) and UID/PRR2/04028/2025 (<https://doi.org/10.54499/UID/PRR2/04028/2025>) of the CERENA – Research Center for Natural Resources and Environment, funded by Fundação para a Ciência e a Tecnologia, I.P./ MECI through the national funds.*
- **When using equipment from PRR and PRR2** – *This work was financially supported by: UID/04028/2025 (<https://doi.org/10.54499/UID/04028/2025>), UID/PRR/04028/2025 (<https://doi.org/10.54499/UID/PRR/04028/2025>), and UID/PRR2/04028/2025 (<https://doi.org/10.54499/UID/PRR2/04028/2025>) of the CERENA – Research Center for Natural Resources and Environment, funded by Fundação para a Ciência e a Tecnologia, I.P./ MECI through the national funds.*



Pre Award



Researchers interested in applying to calls for competitive funding are requested to **complete the Expression of Interest (EoI) online form provided by CERENA Pre-Award Office**. The submission of the EoI enables the Pre-Award Office to anticipate upcoming applications, ensure adequate planning, and activate the necessary support actions. **The collected data supports mandatory annual reporting and informs the distribution of the CERENA annual funds.**

Funded Projects

Abeer Mohtar's project ***"Innovative Nanomaterials for Integrated Carbon Capture and Utilisation (INICCU)"*** has been awarded funding through the **UT Austin Portugal Program**, which promotes multidisciplinary research across diverse fields and fosters technology transfer and commercialization through collaboration between Portugal, the University of Texas, and other institutions.

The overarching objective of the INICCU project is to **contribute to climate action and the production of clean energy**. The main goals are to reduce the energy penalty associated with adsorbent regeneration in the CO₂ adsorption process and to enhance the methane yield of the CO₂ conversion process. The methodology is based on the synergy between glass metal organic frameworks (MOFs) and nitride nanoparticles (NPs), which has not yet been explored for CO₂ capture and conversion. INICCU's innovation lies in rethinking the integrated CO₂ capture and utilisation process by decreasing the energy consumption required for adsorbent regeneration and enabling reactive regeneration, while also increasing product yield and purity.

This achievement reinforces CERENA's active engagement in international collaborations.



Pre Award

Applications for funding



In May, CERENA researchers' engagement in international programmes led to the submission of 2 Horizon Europe - European Innovation Council (EIC), and 1 Creative Europe Programme (CREA) collaborative proposals.

These submissions have the potential to secure over €1.4 million in funding and demonstrate CERENA's researchers' continued commitment and strategic engagement in achieving competitive funding through international partnerships.

Disseminations

The Pre-Award CERENA (PAC) has been actively supporting the MSCA Postdoctoral Fellowships call by promoting the attraction of applicants, disseminating relevant information sessions, and providing tailored guidance throughout the application process. The PAC is available to engage with all interested members of the CERENA community - please feel free to reach out to **Joana Barrelas**.

MSCA Postdoctoral Fellowships 2026	DEADLINE 09.09
Deadline: September 9, 2026, 16h00 (Lisbon time)	
Funding: € 399.05 million (overall indicative budget)	
Duration: up to a maximum of 24 months	
Links: EU Funding & Tenders Portal - HORIZON-MSCA-2026-PF-01-01	
<p>Main eligibility conditions Applicants must:</p> <ul style="list-style-type: none"> • be postdoctoral researchers at the date of the call deadline - hold a doctoral degree or have successfully defended their doctoral thesis (successful defence must be unconditional and supporting documentation may be requested); • have a maximum of 8 years full-time equivalent experience in research, from the date of award of the doctoral degree (extensions/exceptions may apply); • comply with the mobility rule - not have resided or carried out their main activity (e.g. work, studies) in the country of the beneficiary/host organisation for more than 12 months in the 36 months immediately before the call deadline. <p>Note: Researchers who, at the date of the call deadline have refugee status under the Geneva Convention, or benefit from the EU temporary protection are exempt from the mobility rule.</p> <p>Detailed eligibility conditions, as well as additional information on the MSCA-PF call, can be found in official sources provided by the European Commission, such as the call description on the EU Funding & Tenders Portal and the Horizon Europe Work programme 2026-2027.</p>	
Pre-Award Office support: Proposal reviewing/development and basic support, depending on the Pre-Award Office internal schedule.	

Latest in the press

1. da Fonseca, B.R.; Góis, J.E.S.; Dias, A.J.G.; de Figueiredo Garcia Pereira, H.J.; **Contributions of Geomathematics to Validate the Optimization on the Definition of Sampling Campaigns**; Mathematical Geosciences, 1 January 2026
3. Nascimento, T.; Ramos-Andrés, M.; Lourenço, M.C.; Marques, A.C.; **Depolymerized lignin as an enabler for superior lignin-acrylonitrile copolymers for sustainable wet-spun fibers**; Green Chemistry, 1 January 2026
4. Sherif, H.; Soares, A.; de Sousa, A.M.L.; Rivas, S.; Bennour, Z.; **Potential Viability of Repurposing Abandoned Hydrocarbon Wells for Geothermal Energy Production: Case Study—Volve Field, North Sea**; Mathematical Geosciences, 1 January 2026
5. Lourenço, B.; Serôdio, R.; Marques, A.C.; Galante, R.; Claudio, R.; Figueiredo-Pina, C.G.; **PLA/Kahili Ginger Fiber Biocomposites Processed by Fused Filament Fabrication: Physical and Mechanical Characterization**; Polymer Composites, 1 January 2026
6. Casquilho, M.; Monteiro, M.; Pacheco, P.; Galhano, R.; **A System of ODEs Affected by Data Uncertainty Steered by Monte Carlo on the Web: Statistical Assessment Applied to Dialysis**; Communications in Computer and Information Science, Volume 2875, Pages 148-159, 1 January 2026
7. Ribeiro, N.A.; Silva, J.C.; Miguel, F.; Neves, L.; Barbosa, F.; Almeida, A.; Pereira, M.F.C.; Toffoletto, N.; Figueiredo, L.; Branco, A.C.; Colaço, R.; Serro, A.P.; **Injectable bioactive magnesium calcium phosphate cement loaded with BMP2 for bone regeneration**; Ceramics International, 1 January 2026
8. Alves de Campos, A.; Figueiredo, M.; Diogo, C.M.A.; Paneiro, G.; Amaral, P.; **Benchmarking Conditional GANs in Industrial Marble Texture Synthesis via a Dual-Evaluation Framework**; Applies Sciences (Switzerland), Volume 18, Issue 8, Article number 4028, 1 April 2026
9. Castro, W.V.D.; Ferreira, C.; Barreiras, J.; Gaspar, P.L.; Mendes, M.P.; Silva, A.; **Maintenance as an Opportunity to Improve Residential Buildings' Energy Efficiency: Evaluation of Life-Cycle Costs**; Buildings, Volume 16, Issue 8, Article number 1551, 1 April 2026
10. Benoit, J.; Legendre, L.J.; Araújo, R.; Fernandez, V.; Midzuk, A.; Browning, C.; Abdala, F.; Botha, J.; Angielczyk, K. D.; **Evolutionary stasis in synapsid encephalization during the end-permian mass extinction**; Nature Scientific Reports, 15 May 2026
11. Gonçalves, A. R. P.; Dehhaoui, S.; Galhano, R.; **Thermochemical Liquefaction of Hakea sericea: Experimental Evaluation and Model Development**; Biomass, Volume 6, Issue 3, Article 38, 27 May 2026



Upcoming

03/06

Spatial Data Science

Room 3.23 Mining Building

19/06

Cerimony for Awarding the title of Emeritus Professor to Amílcar Soares

22/06

Open cerimony of DAEDALUS laboratory

Técnico Loures

25/06

CERENA Seminar hosted by Professor Gustavo Paneiro

IST C13 | FEUP F405

15 - 16/07

Science and Innovation 2026



6 - 8/10

4th Eage Conference on Seismic Inversion

Lisbon



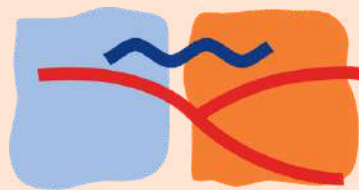
Do you want to share anything with the community in the next newsletter? Fill in the communication form at [CERENA's website](#).

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Thank you for reading! Stay tuned for more updates in our next newsletter.



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