



APPLICATION FOR AWARD

Academic Year 2024/2025

Faculty of Engineering, Lusófona University

Lisbon, August 2025

*Authors and Coordination
Elisabete Mauricio & Joana Lage*

THEME 1: OUTDOOR SPACES AND BIODIVERSITY

- STUDY VISIT TO THE CORNO RESERVE

FROM THE BEAK

- ACTIVITIES IN THE RESERVE

- ORGANIC GARDEN

- COMPOSTING ON CAMPUS

Topic(s) covered: Outdoor spaces;
Diversity of plant species; Carbon capture by green
species; advantages of organic farming in terms of
environmental impacts

Date: October 2024 – May 2025



VISIT TO THE CORNO DO BICO RESERVE

Once again this year, we were able to revisit the Corno do Bico reserve in Paredes de Coura. Research professor Ana Rois, a member of the Eco-Schools Council, and her students participated in this activity. It is a protected area of high ecological value located in the municipality of Paredes de Coura. The study visit was part of the Botany and Zoology courses of the biology program at Lusófona University, where participants participated in various activities related to biodiversity conservation and sustainability.

Topic(s) covered: Outdoor spaces; Plant species diversity; Carbon capture by green species; Advantages of organic farming in terms of environmental impacts

Date: October 2024 – June 2025



ACTIVITIES IN THE CORNO DO BICO RESERVE

The various activities took place over two weekends, where it was possible to move students to the reserve and spend the night there. This place provides the whoever visits it, various activities about the diversity and conservation of some species animals and offers several training workshops, where it is possible to observe and identify a diversity of species present on site. The site has rooms properly equipped where it was possible to develop various activities and interaction between tutors and students.



Topic(s) covered: Outdoor spaces biodiversity; Diversity of plant species; pollinators; Carbon capture by green species; advantages of organic farming in terms of environmental impacts, among others.



Date: October 2024 – January 2025

ORGANIC GARDEN

The organic garden on the ULusófona Campus has begun in the 2020/2021 academic year, it was recovered and changed location, due to works on the campus, it was necessary to move the garden to a new location. This year our garden was located next to the entrance of the Campus in front to the laboratories of Building E, where they were developed various activities with the active participation of students and teachers of the CEE. This space constituted by 5 flowerbeds was treated and maintained this year by students, teachers and staff of the institution, where it was possible to plant some species vegetables, with the help and participation of students and Professor Elisabete Mauricio, Eco- Schools coordinator. This year the garden team cleaned up and maintenance of the beds and returned to sowing aromatic species to be used in classes pharmaceutical biotechnology for use in investigation of its bioactive properties. The the rest are collected by employees and the rest community community

Topics covered: Outdoor spaces; valorization of abandoned land; Diversity of plant species; Carbon capture by green species; advantages of organic farming in terms of environmental impacts

Date: October 2024 – July 2025



ACTIVITIES IN THE ORGANIC GARDEN

During the months of March to June, the council students, teachers and the Eco-Schools FE coordination, had opportunity to carry out cleaning and replanting of new species in the new space dedicated to organic planting. The plants chosen were mainly aromatic and some legumes, such as thyme, lavender, rosemary, beans green, tomatoes and pumpkins. It was also possible to associate our process of composting and using the compost formed as biological fertilizer resulting from the reuse of canteen waste.

Topics covered: Outdoor spaces; valorization of abandoned land; Diversity of plant species; Carbon capture by green species; advantages of organic farming in terms of environmental impacts

Date: October 2024 – July 2025



ACTIVITIES IN THE ORGANIC GARDEN

The activities in the garden included participation of all members of the eco-schools council and with the members of the academic community who joined this cause. Today the garden is cared for and maintained by students and staff and teachers in a joint project that promotes unity and learning and relationship between the community.

Topics covered: Outdoor spaces; valorization of abandoned land; Diversity of plant species; Carbon capture by green species; advantages of organic farming in terms of environmental impacts

Date: October 2024 – July 2025



PROJECTS IN THE ORGANIC GARDEN

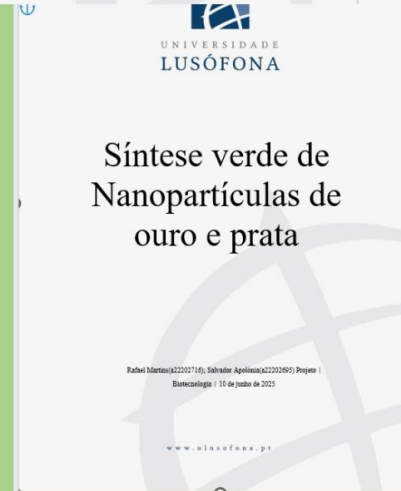
Isolation of Soil Microorganisms with Antimicrobial Activity

Brief description of the activity:

During the months of March to June with a view to value and better understand the properties of biological soil and microbial communities that can develop in our garden, more has begun once the development of two projects research that aims to carry out the isolation of microorganisms from soil with antimicrobial activity. This coordinated project by teachers Elisabete Mauricio, Patricia Branco and Catarina Rodrigues, had the participation of several students belonging to the eco-council FE Eco-Schools. The objective will be to obtain data for publication in international journals with scientific arbitration and participation in international congresses and conferences

Topic(s) covered: Outdoor spaces; valorization of abandoned land; Diversity of plant species; Carbon capture by green species; advantages of organic farming in terms of environmental impacts

Date: March – July 2025



COMPOSTING IN THE LUSÓFONA UNIT

Brief description of the activity:

This year the composting project at Lusófona University continued and was maintained by the Eco-Schools Garden Team from the Faculty of Engineering of the Lusófona University.

The implementation of a composter next to the vegetable garden has the following objective to valorize the organic waste that is produced in large quantity in the Campus canteens and transform them in nutrient-rich compost, suitable for fertilizing the vegetable garden biological. This year it was possible to develop two projects with the eco-council and the help of some researchers from the Council Eco-schools.

Topics covered: Outdoor spaces; Plant species diversity; Carbon capture by green species; Advantages of organic farming in terms of environmental impacts

Date: October 2024– July 2025.



COMPOSTING PROJECT AT THE UNIVERSITY

During the months of March to June with a view to value and better understand microorganisms and microbial communities that can develop in the compound and composter on our Campus, the development of a project research that aims to carry out the isolation and identification of various microorganisms with decomposing activity that can be found in the compound formed. This project is coordinated of the teachers Professor Patricia Branco and Elisabete Maurício, where they are involved several students from the Eco-Schools program.

Topic(s) covered: Outdoor spaces; valorization of abandoned land; Diversity of plant species; Carbon capture by green species; advantages of organic farming in terms of environmental impacts

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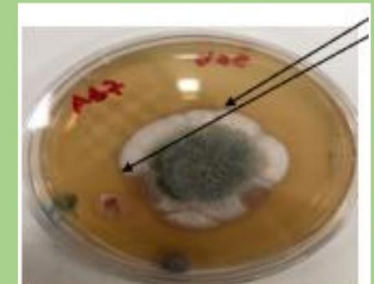
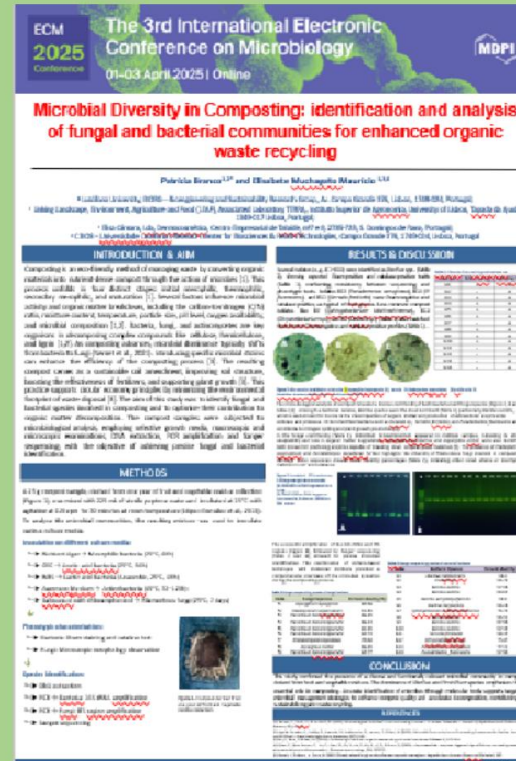


Figura A7- 1: Fungo do género *Aspergillus*; 2: Fungo do género *Penicillium*.

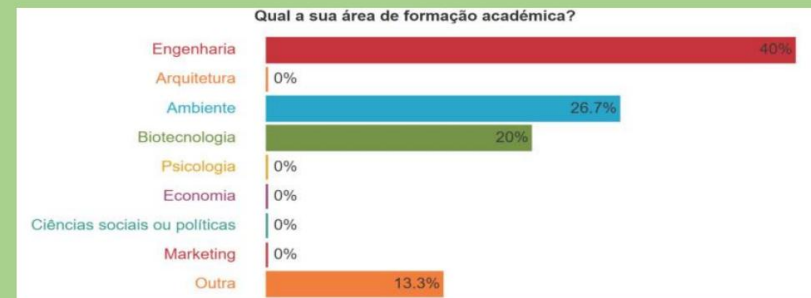


Arbor Day Eco-Webinar: The Influence of Green Spaces on the Community "School"

On Friday, March 21st, in celebration of Arbor Day, the Eco-Schools program hosted a special webinar focused on sustainability and the importance of urban green spaces. Dr. Maria Manso shared her knowledge on the importance of green spaces and how they positively influence the health and well-being of school communities. A student survey was also conducted to understand the importance of green spaces on campus. Dr. Maria Manso is an Assistant Professor at the Faculty of Engineering of Lusófona University, Centro Universitário de Lisboa, CRGroup - Civil Research Group, CERIS - Civil Engineering Research and Innovation for Sustainability.

Topic(s) covered: green cities, Biodiversity: physical and mental well-being; Green walls

Date: March 21, 2025



LECTURE "The Contribution of Nature-Based Solutions to the Urban Sustainability"

The lecture was integrated into the journeys of sustainability with the support of the program FE Eco-schools that took place on the 15th May 2025.

Dr. Maria Manso shared the project green walls on the university campus and how these can positively influence the health and well-being of communities schoolchildren.

Topic(s) covered: green cities,
Biodiversity: physical and mental well-being;
Green walls

Date: May 15, 2025



TOPIC 2: AIR QUALITY ASSESSMENT

- Assessment of air quality on Campus - Awareness raising action.
- Work developed by students on air quality and health within the scope of the ecotoxicology course unit.
- Continuation of monitoring air quality and thermal comfort on the U Campus. Lusophone, using sensors.



Topic(s) covered: indoor and outdoor air quality, sources of air pollutant emissions; air quality assessment through national network monitoring stations; mitigation measures

Date: October – June 2025



Campus Air Quality Assessment - Awareness Raising Action

At the invitation of the Eco-Schools coordination, Professor Maria Manso, teacher and researcher at the Faculty of Engineering, carried out an awareness-raising action for the Eco-council members and community academic on the importance of monitoring of air quality parameters (PM10, PM2.5, CO₂), in the classrooms integrated into a project of research developed in Lusophone – BUILDINGADAPT.

Topic(s) covered: indoor and outdoor air quality, sources of air pollutant emissions; air quality assessment through national network monitoring stations; mitigation measures

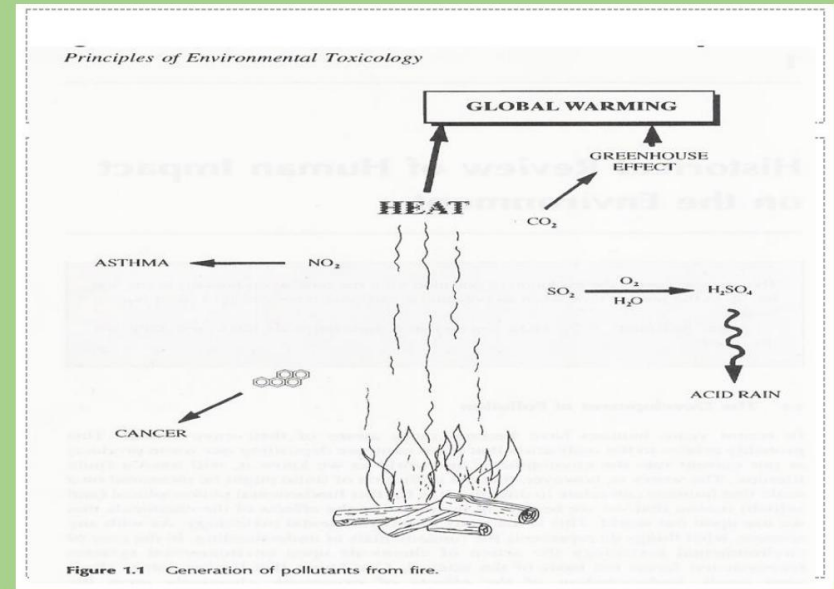
Date: October 2024- June 2025



AIR POLLUTION AND INDOOR AIR QUALITY

As part of the FE Ecotoxicology Curricular Unit, students developed research and critical analysis work on air quality.

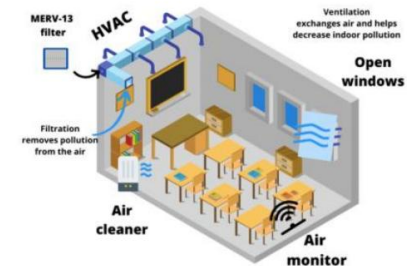
They carried out group work and discussed ideas, which, in addition to addressing the issue of outdoor and indoor air quality, was also related to the topic of energy consumption and energy efficiency.



Topic(s) covered: indoor air quality, emission sources, contamination, legal compliance, mitigation measures

Date: October 2024 - February 2025

Movimento do Ar em Sala de Aula



ECO-WEBINAR – MICROPLASTIC IN THE AIR

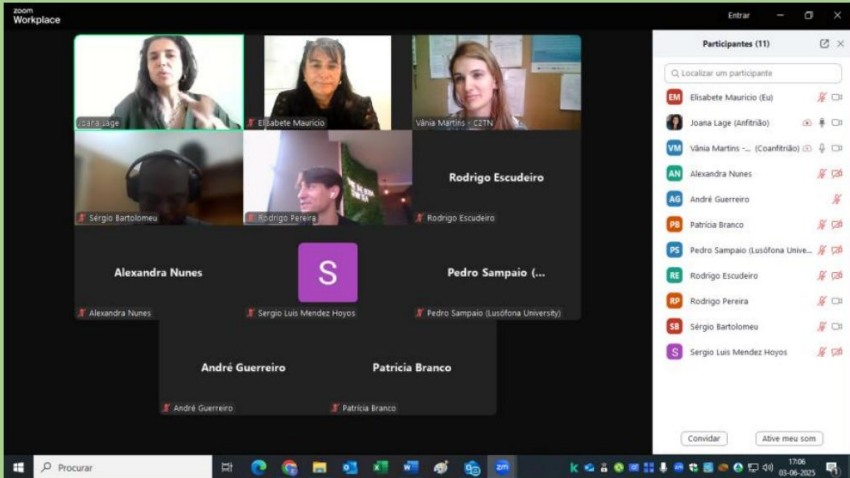
Eco-Schools of the Faculty of Engineering of Lusófona University invited the entire academic community to an eco-webinar dedicated to an emerging topic of growing environmental relevance: microplastics in the air.

At this meeting, Dr. Vânia Martins, Assistant Researcher at Instituto Superior Técnico, explored the latest research on the presence of microplastics in the atmosphere, their impacts on human and environmental health, and the challenges they pose to science and engineering.



Topic(s) covered: indoor and outdoor air quality, sources of air pollutant emissions; air quality assessment through national network monitoring stations; mitigation measures

Date: June 3, 2025



THEME 3: WASTE MANAGEMENT

- Continuation of research work at the University Campus on the valorization of canteen waste for the production of bioactive extracts for cosmetics.
- Carrying out practical activities with students on Practices for Waste Separation and Composting in celebration of Environment Day.
- Installation of Sociedade Ponto Verde recycling points on campus.
- Development of work on the theme of circular economy, in the reuse of organic waste (participation in national and international conferences).
- PRESENCE OF THE ECO-SCHOOLS FE COORDINATION AT NATIONAL AND INTERNATIONAL CONFERENCES
MANAUS

Topic(s) covered: Ecopoints and selective waste collection, training of students and staff, scientific research, Teacher training, Dissemination to the community.

Date: October 2024 – June 2025

CONTINUATION OF THE WASTE RECOVERY PROJECT

CANTEEN OF THE LUSOPHONE UNIT

From January to June, in order to strengthen and better understand the properties and characteristics of organic waste produced in the canteens on the U. Lusófona Campus, the research project "Valorization of canteen by-products to produce nutraceutical and cosmetic products" was continued. The objective was to collect fruit and vegetable peel waste and transform it into extracts with high bioactive value.

These extracts may have several beneficial properties for human health, such as antioxidant and antimicrobial properties. This study will subsequently involve investigating their safe application in cosmetics and nutraceuticals and the economics associated with this reuse.

This project had the participation of professors/ researchers: Elisabete Mauricio, Cristina Guerra, Adilia Charmier, Patricia Branco, and students who are members of the eco-schools council of the Faculty of Engineering at Lusófona University.

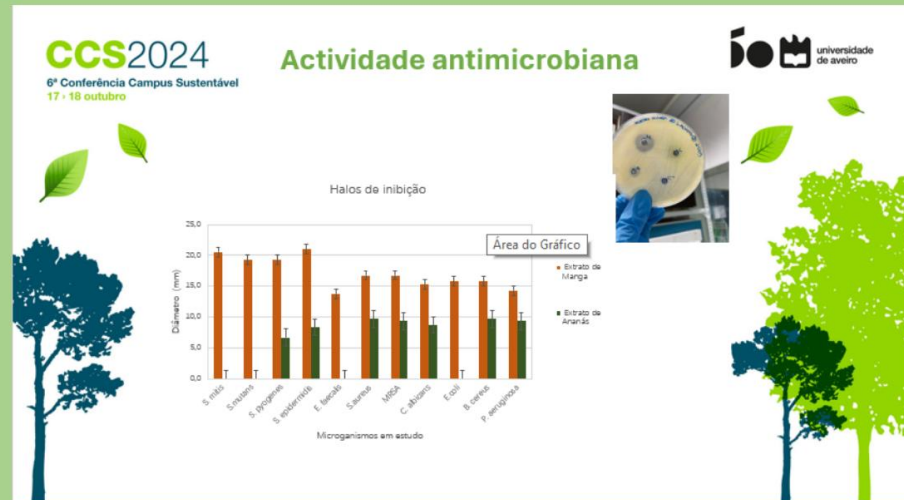
Date: March – July 2025



SOME WORKS RESULTING FROM THE WASTE RECOVERY PROJECT

CANTEEN

From October 2024 to July 2025 it was possible to bring together some of the results obtained in the 1st part of this project and present them at national and international conferences with a view to dissemination of the need to enhance the value of by-products generated in school cafeterias. Some tests to verify the effectiveness and properties of the extracts carried out. Having been demonstrated that these have antimicrobial activities against gram-negative bacteria positive and gram negative. Therefore, more studies must be carried out to validate its use as antiseptic or as potential preservatives in products cosmetics and nutraceuticals.



Date: March – July 2025

SOME WORKS RESULTING FROM THE WASTE RECOVERY PROJECT

CANTEEN

From October 2024 to July 2025, some of the results obtained in the first part of this project were gathered and presented at national and international conferences to disseminate information and raise awareness of the need to recycle byproducts generated in school cafeterias. Staff surveys were also conducted, and the need for more in-person training for these professionals was recognized to improve waste separation management. This project involved the participation of professors/researchers Elisabete Mauricio, Cristina Guerra, and Adília Charmier, as well as students who are members of the Eco-Schools Council of the Lusófona Faculty of Engineering.

from the

University



Carrying out practical activities with students in the vegetable garden on Practices for Waste Separation and Composting in celebration of World Environment Day.

On June 5th, as part of the celebrations of World Environment Day, an awareness-raising action took place, promoted by the coordination of the Eco-Escolas FE project, dedicated to the theme of composting, eco-separation and sustainability.

The event took place next to the organic garden, located in the outdoor area of the E03 laboratories on the Lusófona University Campus, Lisbon University Center, and was attended by professors Catarina , and Rodrigues and Patrícia Branco. During the event, the garden was maintained and cleaned, as well as composting and organic waste separation techniques were shared, with the goal of raising awareness within the school community about sustainable organic waste management and the valorization of natural resources.

This action highlighted the school's active role in promoting responsible environmental practices and reinforced its ongoing commitment to the values of the Eco-Schools project.



INSTALLATION OF GREEN POINT SOCIETY ECOPOINTS ON CAMPUS

As part of the training activities carried out in previous years by Sociedade Ponto Verde, Lusófona received several indoor recycling bins, which have been gradually distributed across the campus, according to identified needs.

The academic community identified the need for recycling bins in Building A, in classrooms on the 1st and 2nd floors. To this end, new recycling bins were installed in these locations, with students directly involved in their installation.



Date: January to June 2025

PRESENCE OF ECO-ESCOLAS FE AT THE IX INTERNATIONAL CONGRESS OF ENVIRONMENTAL EDUCATION MANAUS, BRAZIL

The Eco-Escolas FE project and some members of the eco-council were present at the IX International Congress of Environmental Education in Manaus, Brazil to publicize the research and activities for teachers and their dissemination.

The workshops were held to publicize the work being carried out at the Lusófona University Campus in the area of environmental education, management and valorization of food by-products.

This announcement was attended by Professor Elisabete Mauricio, Anabela Cruces, Cristina Guerra and Adília Charmier

Manaus from July 20 to 25, 2025



THEME 4: ENERGY

- Lecture on the blackout and the importance of energy saving
- MONITORING AIR QUALITY AND THERMAL COMFORT IN U. LUSÓFONA CAMPUS , USING SENSORS



Topic(s) covered: energy management, student and staff training, energy saving.

Date: October 2024 to July 2025



CONTINUATION OF AIR QUALITY AND THERMAL COMFORT MONITORING ON CAMPUS FROM THE LUSÓFONA U.N. , USING SENSORS

The BuildingAdap project is a pioneering study by Lusófona University – Lisbon University Center to analyze the resilience of university buildings to climate change. The goal of this project is to identify the best rehabilitation strategies to improve occupant comfort, taking into account current and future climate conditions . Professors and researchers Maria Manso, Elói Figueiredo, Vitor Antunes, João Canto, Joana Lage, and undergraduate student Rubén Teixeira are involved in this project .

The figures show some of the equipment implemented on the Campus for measurements and data collection, as well as an illustrative graph of the data that can be observed in real time.

Topic(s) covered: indoor and outdoor air quality, sources of air pollutant emissions; air quality assessment through national network monitoring stations; mitigation measures

Date: October 2024 July 2025



TALK ABOUT THE BLACKOUT “The Electricity Grid as a Guarantee of Reliability”

An awareness-raising action was carried out regarding the energy savings organized by coordination Eco-Schools, integrated in the 2nd edition of the Jornadas da sustainability carried out at the University Lusophone.

This action, open to the entire academic community, on the theme of the recent blackout and its relationship with the energy grid in Portugal, was carried out by the speaker Eng^a Amarante dos Santos (*Eng. Electrical Technician, Former Director of the National Dispatch of the National Electric Grid – REN*)



Topic(s) covered: Blackout, energy management, student and employee training, energy saving.

Date: May 15, 2025

THEME 5: WATER

- Acquisition of drinking water distribution and purification equipment on Campus
- Collection and analysis of the microbiological quality of water in new equipment
- Implementation and monitoring of sustainable savings measures in the Campus cafeterias
- Lectures: in the sustainability journeys, Environmental Engineering Journeys between others
- Technical departures: Lousal Mine and Santo André Lagoon

Topic(s) covered: water consumption management, contamination of water resources due to microplastics, marine pollution.

Date: October 2024– June 2025

COLLECTION AND ANALYSIS OF WATER QUALITY ON THE UNIVERSITY CAMPUS

To analyze the microbiological quality of the water at various supply points on campus, water samples were collected from drinking fountains, laboratory taps, cafeteria jugs, and the newly installed distribution equipment. This activity took place during microbiology classes and involved the collaboration of Professor Elisabete Mauricio and students from the FE eco-council. The results showed that the water analyzed met the microbiological parameters required for consumption by the entire academic community. However, annual monitoring should be carried out to ensure the control and safety of drinking water distribution on campus.



Topic(s) covered: water treatment methodologies;
microbiological water quality.

Date: October 2024 to June 2025

IMPLEMENTATION OF SUSTAINABLE MEASURES IN CAMPUS CANTEENS

Measures were implemented to better manage the distribution of drinking water on Campus, reducing plastic consumption and raising awareness of the need to save water and natural resources.

The cafeterias have implemented more sustainable water distribution measures by providing a free drinking water dispenser or jug, allowing students to refill their water containers whenever they want throughout the day. The water from these communal drinking fountains was also analyzed for microbiological control. By using these communal containers, everyone can save money and reduce plastic waste. This also promotes water conservation and reduces the use of plastic bottles on campus.



Topic(s) covered: Water savings management; water quality, water treatments.

Date: October 2024- June 2025

IMPLEMENTATION OF SUSTAINABLE MEASURES IN CAMPUS LABORATORIES

Water-saving measures were implemented in the new laboratories. Equipment was purchased to save water during cooling. This rotary evaporator is a state-of-the-art device that does not require a continuous connection to a water supply. Considering that this equipment is used both during classes and for research, its purchase significantly saves potable water, thus reducing water waste on campus.

Topic(s) covered: Water savings management; water quality, water treatments.

Date: October 2024- June 2025



LECTURE FreeLitterAT: Plastic degradation - Predictions Vs Experiments

At the invitation of the Eco-Schools coordinators, Professor João Canto, director of the Electrical Engineering degree program, gave an oral presentation on the FreeLitterAT project, which focused on the work being done at U. Lusófona. Specifically, the project studies the degradation of plastics using UV rays to accelerate their aging and degradation processes. This will enable updated computational models that allow for a more detailed description of the movement of plastics in the oceans.

This awareness-raising talk aims to raise awareness of the dangers of plastics spreading into the ocean, which have a practically eternal lifespan. This chamber aims to accurately calculate the degradation and aging time that plastics typically undergo when exposed to sunlight throughout the seasons.

This lecture was part of the Sustainability Days , May 15th.

Topic(s) covered: water treatment methodologies; water quality.

Date: May 15, 2025



TECHNICAL EXIT – LOUSAL MINE

Once again, a technical outing was held with Environmental Engineering, Civil Engineering, and Eco-Schools Council (FE) students, led by Professor Anabela Cruces. They visited the former Lousal mine facilities and the live science center located there. The students learned about the importance of water quality and the rehabilitation of former mining areas. Water and soil samples were also collected for toxicological analysis in ecotoxicology classes on water quality and soil contamination.

Topic(s) covered: Sampling, water consumption management; water and sediment quality.

Date: May 17, 2025



TECHNICAL EXIT TO THE NATURAL RESERVE OF SANTO ANDRÉ AND SANCHÁ LAGOONS

Once again a technical exit was carried out with Environmental engineering students and the Eco-Schools Council (FE) were guided by Professor Anabela Cruces, where they were able to visit the Santo André Lagoon. The students learned about the importance of water quality and the importance of studying and learning how to preserve the biodiversity of these sensitive areas. Water and soil samples were also collected for toxicological analysis in ecotoxicology and soil analysis classes.

Topic(s) covered: Sampling, water consumption management; water and sediment quality.

Date: March 28-29, 2025



SUSTAINABILITY DAYS DAY

The coordination of FE Eco-Schools, in partnership with the center and BioRG research, organized the 2nd edition of the Conference of Sustainability. This event had with the aim of dedicating a day to sustainability and the eco-schools project.

With several expert scientific presentations in the area of environment and energy within the themes of eco-schools program. This event had the participation of about of 60 people.

Jornadas da Sustentabilidade 15 de Maio 2025

- Investigação em Sustentabilidade

A coordenação Eco-Escolas FE e o grupo de investigação BioRG da Faculdade de Engenharia da Universidade Lusófona, Campus Universitário de Lisboa, têm o prazer de convidar todos os alunos, funcionários e docentes a participar nas Jornadas da Sustentabilidade 2025.

Programa

Comunicações Orais (Auditório José Araújo – Biblioteca)

14h30 - Receção dos Participantes

15h00 - Sessão de Boas-Vindas

Cristina Guerra (*Diretora da Faculdade de Engenharia da Universidade Lusófona*)

Elisabete Mauricio & Joana Lage (*Coordenadoras Eco-escolas da Faculdade de Engenharia da Universidade Lusófona*)

Patricia Branco (*Coordenadora BioRG—Bioengineering and Sustainability Research Group, Faculty of Engineering, Universidade Lusófona*)

15h30 - "A Rede Elétrica Como Garante da Fiabilidade"

Amarante dos Santos (*Eng. Electrotécnico, Ex-Diretor do Despacho Nacional da Rede Elétrica Nacional – REN*)

15h50 - "A Contribuição das Soluções Baseadas na Natureza para a Sustentabilidade Urbana"

Maria Manso (*FE - Faculdade de Engenharia, Universidade Lusófona; RISE - Resilient Infrastructure, Systems and Environment; CERIS - Civil Engineering Research and Innovation for Sustainability*)

16h10 - "Farinha de Bagaço de Uva: Uma Solução Sustentável para a Segurança e a Saúde Humana"

Marisa Nicolau¹, Lídia Palma¹, Paula Pereira^{2,3,4}

¹ CBIOS - Research Center for Biosciences & Health Technologies, Universidade Lusófona

² EPCV - School of Psychology and Life Science - Department of Life Sciences, Universidade Lusófona

³ CERENA - Center for Natural Resources and Environment, Instituto Superior Técnico (IST), Lisboa

16h30 - "Exploring Beer By-products for Cosmetic and Pharmaceutical industry"

Carolina Benerra (*Faculty of Pharmacy, Universidade de Lisboa, 1649-003 Lisboa, Portugal; FE - Faculdade de Engenharia, Universidade Lusófona*)

17h00 - "FreeLitterAT: Plastic degradation - Predictions Vs Experiments"

João Canto¹, Hilda de Pablo²

¹ FE - Faculdade de Engenharia, Universidade Lusófona; COPELABS - Cognitive and People-centric Computing

² FE - Faculdade de Engenharia, Universidade Lusófona; CERIS - Civil Engineering Research and Innovation for Sustainability

17h30 - Encerramento das Jornadas e Principais Conclusões

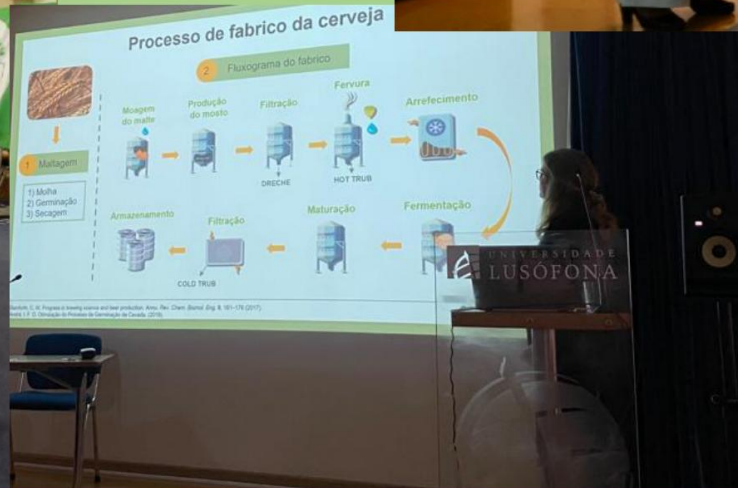
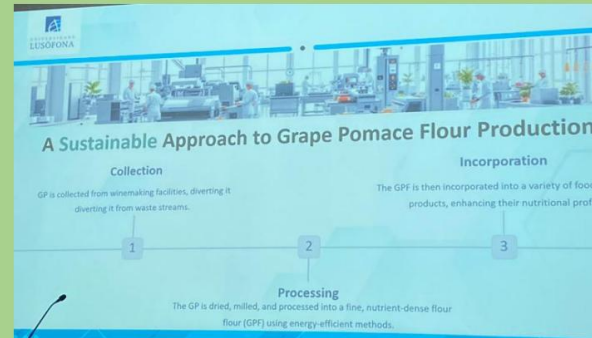
17h30 - 18h00 - Café e Visita à Exposição de Posters Científicos

Organização e Coordenação: Eco-escolas FE – Elisabete Mauricio e Joana Lage



OTHER COMMON AND COMPLEMENTARY ACTIVITIES TO THE TOPICS UNDER STUDY

SUSTAINABILITY DAYS 2025



OTHER COMMON AND COMPLEMENTARY ACTIVITIES TO THE TOPICS UNDER STUDY

ENVIRONMENTAL ENGINEERING CONFERENCES

The Eco-Schools FE program and students from the FE eco-council participated in the 1st Environmental Engineering Conference under the motto "Lectures that inspire, actions that transform!" The event aimed to dedicate a day to Environmental Engineering. The event was attended by experts and professionals from various institutions, including the DGPM, IPMA, ISQ, Bandeira Azul, municipalities, and national and international researchers. It was a meeting for sharing, reflection, and inspiration on current environmental challenges. The event was attended by approximately 70 people.

NEEA

JORNADAS DE

ENGENHARIA DO AMBIENTE

1ª edição

9 de maio 2025

PALESTRAS QUE INSPIRAM, AÇÕES QUE TRANSFORMAM!

Universidade Lusófona - Centro Universitário de Lisboa

UNIVERSIDADE LUSÓFONA

FE

Universidade Lusófona: Campo Grande 376, 1749 - 034 Lisboa 2024/2025

Date: May 9, 2025

Auditorio S.O.10

PROGRAMA :

9h-9h20 **Receção e boas-vindas**
Prof. Faria Ferreira (Conselho de Administração COFAC), Prof.ª Cristina Guerra (Diretora da Faculdade de Engenharia - CUL - ULusófona) e Prof.ª Anabela Cruces (Diretora do Curso de Licenciatura em Engenharia do Ambiente - FE - CUL - ULusófona) e NEEA

9h20-9h40 **Porquê Portugal Azul? Projeto EndPlasticSoup**
Nacho Dean e George Lebeau

9h40-10h **Literacia do Oceano & Educação Ambiental**
Dr.ª Catarina Gonçalves (Bandeira Azul)

10h-10h20 **Política do Mar em Portugal: Missão e Visão da DGPM**
Eng.ª Marisa Lameiras da Silva (DGPM)

10h20-10h40 **Projeto INTERREG FreelitterAT - Lusófona**
Prof.ª Hilda de Pablo (Universidade Lusófona)

10h40-11h **Inovação em Ação: Alunos em Projetos Internacionais. INTERREG FreelitterAT**
Alunos: Stephania Manuel, Makiesse Castelbranco e Jandira Fernandes (Universidade Lusófona)

11h-11h15 **Debate: Q&A**

11h15-11h40 **Pausa para o café**

11h40-12h **A Geotermia na Climatização dos Espaços**
Eng. Faria Ferreira (Universidade Lusófona)

12h-12h20 **Gestão de Riscos em Ambientes Urbanos**
Eng.ª Cláudia Pinto (Município de Lisboa)

12h20-12h40 **O Efeito das Alterações Climáticas na Acumulação de Contaminantes**
Dr.ª Joana Raimundo (IPMA)

12h50-13h **Debate: Q&A**

13h-14h30 **Almoço**

14h30-14h50 **Desafios Contemporâneos da Governança da Água - Uma Visão Realista**
Eng.ª Susana Neto (IST)

14h50-15h10 **O Papel da Academia nas Comunidades Locais**
Prof.ª Anabela Cruces (Universidade Lusófona)

15h10-15h30 **Solos Contaminados: Diagnóstico, Avaliação e técnicas de Remediação**
Dr.ª Rita André (ISQ)

15h30-15h50 **Inovação em Ação: Alunos em Projetos de Monitorização em Áreas Protegidas**
Alunos: Ana Craveiro, Inês Elisário, Jandira Fernandes, Makiesse Castelbranco, Salvador Ascenso, Stephania Manuel e Tomás Silva (Universidade Lusófona)

15h50-16h10 **Caracterização Ambiental do Rio Tejo e seus Afluentes (Azambuja e Valada do Ribatejo)**
Eng.ª Margarida Nobre (Município Sobral de Monte Agraço)

16h10-16h25 **Debate: Q&A**

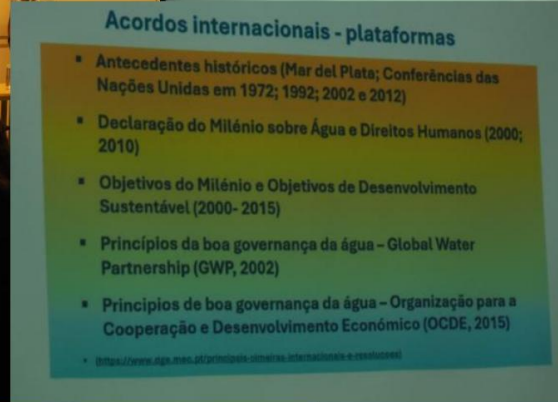
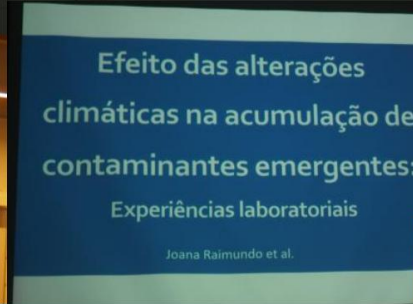
16h25-16h45 **Mesa Redonda com Alunos e Alumni**
André Praça, Margarida Nobre, Solange Yengadi e Vera Correia

16h45-16h50 **Sessão de Encerramento**

16h50 **Lanche e Convívio**

OTHER COMMON AND COMPLEMENTARY ACTIVITIES TO THE TOPICS UNDER STUDY

ENVIRONMENTAL ENGINEERING CONFERENCES



OTHER COMMON AND COMPLEMENTARY ACTIVITIES TO THE TOPICS UNDER STUDY

On June 18, 2025, the most recent edition of BioJornadas took place at the José Araújo Auditorium, at the Lusófona University of Lisbon, organized by the research group BioRG – Bioengineering and Sustainability Research Group of the Faculty of Engineering. The event was attended by students, teachers, researchers and professionals from the areas of Biotechnology, Biomedical Engineering, Environmental Engineering and Electrical Engineering, providing a space for sharing knowledge, disseminating projects and connecting academia and the professional sector.

The program integrated:

Plenary lectures with experts on various topics, technical workshops,

including a molecular cuisine session with high student participation;

Presentations by former students on research topics currently underway within the group, among others.

BioRG's sustainability research area was presented by coordinator and researcher Elisabete Mauricio with the oral communication “Eco-Schools and Applied Research in Higher Education: Paths to Sustainability on Campus”.



BioJornadas

Eco-Escolas e a Investigação Aplicada no ensino superior: Caminhos para a Sustentabilidade no Campus

18 Junho 2025
Auditório Prof José Araújo (Biblioteca)
Universidade Lusófona, Lisboa

Elisabete Mauricio

June 18, 2025

ECO-CODE CONTEST

To implement the FE Eco-Code, a competition was created for students of the Faculty of Engineering. The competition involved completing an online form, in which participants submitted up to five sentences they considered important for inclusion in the Eco-Code. From these sentences, the sentences included in the final Eco-Code poster were selected. The sentences were selected and awarded prizes.

The awards will be presented at the beginning of the next academic year.



Equipa Eco-Escolas

2024/2025

Eco-Código FE

1. Viver em equilíbrio é o nosso compromisso.
2. O planeta é só um, cuida dele como cuidas de ti.

3. Consumo consciente, menos desperdício e mais ação.

4. A bicicleta vou levar para energia poupar.

5. Menos plásticos no chão, mais futuro na nossa mão.

6. Cada gota conta, cada árvore importa, cada ação faz a diferença.



Transformar. Cuidar. Juntos!



Ciclo natural em ação



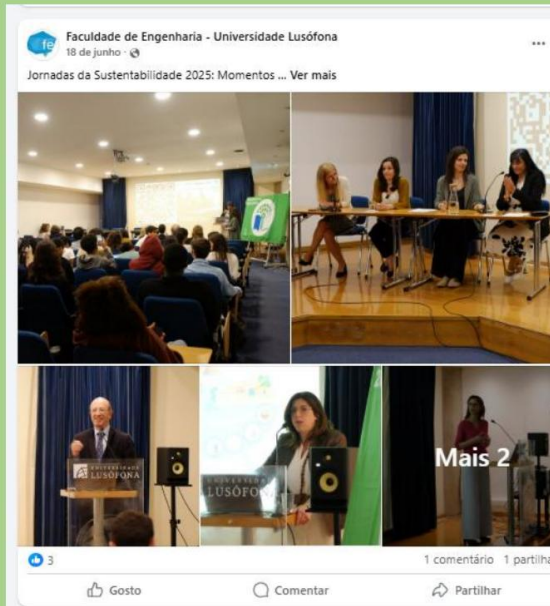
Laboratório em ação pela sustentabilidade

7. Do ambiente devemos cuidar para ar puro respirar.
8. Proteger o ambiente, é garantir o nosso futuro e das próximas gerações.
9. Reciclar, reduzir, reaproveitar! É assim que vamos mudar!

10. Eco-Escolas a liderar, um futuro melhor a semear!

ECO-SCHOOLS NEWS

Throughout the year, the activities developed at Eco-Schools were highlighted in various media outlets for the college, from social media (Instagram, Facebook, LinkedIn) to the FE website.



GREEN FLAG RAISE SESSION AT FE

To celebrate winning the Eco-Schools award from the Faculty of Engineering, as well as to congratulate the academic community that participated in the Eco-Schools Council for the 2024/2025 academic year, a green flag raising event was held.

This event provided a “flashback” of what the Eco-Schools project consisted of in the year 2023/2024, presented by coordinating teachers Elisabete Maurício and Joana Lage.

Students who were involved in Eco-Schools and CEE saw their work recognized through the delivery of a certificate of participation in the activities.

The students who participated in the various competitions were congratulated with a prize.

This event was attended by 20 people, including students and teachers.

Topic(s) covered: The Eco-Schools program in FE in the year 2023/2024; delivery of certificates and prizes.

Date: January 2025

GREEN FLAG RAISE SESSION AT FE





Eco-Escolas

Good Luck FE!