



UPM IMPACT in SDG4

Quality Education

EELISA ACITIVITIES AROUND SDG4

Hackathon: water challenges in the 21st century

Description

Design Thinking is a method for generating innovative ideas that focuses its effectiveness on understanding and providing solutions to the real needs of users. It comes from the way product designers work or for the work team. In this workshop we will work on the practical aspects of this methodology and its application to related tasks in our EELISA community.

Community	Egalitarian Societies: Opportunities for Everyone (ES: O4E)		
Coordinator	dulcinea.tomas@upm.es	ECTS	
Kind of activity	Workshop		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master bachelor	Teaching mode	Synchronous remote
Link	https://community.eelisa.eu/?post_type=eelisa_activity&p=1202		

Online conferences organized by the Innovation and Design in European Engineering Education (IDEEE) community #3

Description

The activity consists of several individual and group sessions where the students are guided and helped by their mentors to get to know how to begin their professional career and which sectors are of most interest for them.

Initial survey to be filled by the students to get know their objectives and interests

Matching the students with the best possible mentors according to their objectives

Confidential agreement to be filled by every pair mentee-mentor

Vision and objectives document to be filled by the mentees. This document will enable the beginning of the mentoring.

2-3 group sessions on certain topics of interest related to the labor market

4-6 individual work sessions between mentor and mentee. This session will be based on the vision and objectives document.

Elaboration of a career plan with the support of the mentor and taking into account all the documents, work and the individual work sessions

The program will last 6 months.

Place: Anywhere. The mentoring sessions can be on line or anywhere the pairs mentor-mentee chooses. Group sessions are on line or in ETSIME classrooms.

Community	Ethics, Social Commitment & Entrepreneurship		
Coordinator	cristina.montalvo@upm.es	ECTS	
Kind of activity	Workshop		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-10-14	Ending date	2022-05-26
Target group	all	Teaching mode	In person
Link	https://community.eelisa.eu/?post_type=eelisa_activity&p=1211		

Archeology&Architecture Summer School

Description

The initiative of this course arises as a response to the concern of students to acquire knowledge for a better and more efficient communication. We also intend to give tools for a more constructive interaction from communication: listening, talking, connecting. To do this, the methodology we offer will take into account the following elements:

Interactive workshops with presentation of the topic, dynamics and practical exercise of public speaking techniques.

Personal accompaniment for the preparation of an intervention in public.

The contents will be addressed by combining the cognitive, emotional and corporal dimension.

Each topic will be developed in a session from 1:30 a.m. (from 2 p.m. to 3:30 p.m.).

Readings and oratory exercises will be offered so that the student can develop in his daily life the intended skills.

Deliverables: Make a presentation in 10 minutes on the chosen topic

Community	Ethics, Social Commitment & Entrepreneurship		
Coordinator	natalia.fonseca@upm.es	ECTS	
Kind of activity	Workshop		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-12-06	Ending date	2021-12-15
Target group	all	Teaching mode	In person
Link	https://community.eelisa.eu/?post_type=eelisa_activity&p=1216		

Collaboration to the organization of NanoSpain 2022 conference, the reference meeting for nanoscience and nanotechnology in Spain

Description

It is an open, collaborative project in which you can participate by mapping areas where organisations are trying to respond to the needs of affected populations. It is an initiative of the American Red Cross, British Red Cross, Médecins Sans Frontières and the OpenStreetMap humanitarian team (the free, open technology tool used for NGOs).

Community	Green Planet		
Coordinator	nieves.nunez@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	all	Teaching mode	In person
Link	https://community.eelisa.eu/?post_type=eelisa_activity&p=1228		

Organization of seminar "Advanced Materials for the Energetic Crisis

Description

Stay/training at the plant germplasm bank. The students will participate in the different activities in the plant germplasm bank: conservation, documentation, characterisation and management of seed and live plant collections. They will also collaborate in dissemination activities in programs such as Science Week or 4th ESO + company.

Community	Green Planet		
Coordinator	Santiago.moreno@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master bachelor	Teaching mode	In person
Link	https://community.eelisa.eu/?post_type=eelisa_activity&p=1229		

Knowledge Bites: Benefits and opportunities for students participating in the EELISA Open Science Community (OSC)

Description

This tutorial covers best practices in reproducible research, open science, and digital scholarship that help students and researchers get credit for all their research products, augment their curriculum vitae with data and software that they have written, write compelling data management plans for funding proposals, comply with new funder and journal requirements, and practice open and reproducible science. The tutorial will start by providing a strong motivation for adopting open sciences practices in both academia and industry, followed by the best practices for sharing data, software and methods with others, described with rich metadata and using persistent identifiers. Thanks to these practices, the attendants will learn how to make their research artifacts best follow the findable, accessible, interoperable and reusable principles (FAIR).

Assessment: There will be a small homework based on the contents of the seminar.

Community	Green Planet		
Coordinator	daniel.garijo@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	all	Teaching mode	Synchronous remote
Link	https://community.eelisa.eu/?post_type=eelisa_activity&p=1237		

Challenge of Urban Mobility

Description

Research projects increasingly use and produce multiple datasets, software and methods as a result of their investigations. However, besides brief descriptions in papers, these resources are not properly aggregated and described in a machine readable manner. As a result, researchers aiming to reuse existing research artifacts (data, software and methods) have to spend a significant amount of time in order to properly understand and reuse them. In this project, the student will create a simple user interface, in HTML, so any researcher can aggregate their research artifacts easily as a Research Object.

Assessment: There will be weekly meetings with the student to assess progress. The student will have to write a TFG document, and present the results following the right channels.

Deliverables: Degree project. In this project, the student will create a simple user interface, in HTML, so any researcher can aggregate their research artifacts easily as a Research Object.

Community	Green Planet		
Coordinator	daniel.garijo@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master bachelor	Teaching mode	Synchronous remote
Link	https://community.eelisa.eu/?post_type=eelisa_activity&p=1240		

Development of Open Software GIS for Addressing Challenges in Land Use and Transportation Planning

Description

Identification of information sources in the agricultural sector, choice of useful information and its processing for subsequent analysis.

Assessment: attend 80% of the sessions, create a little project.

Deliverables: Database and codes for data processing.

Community	Green Planet		
Coordinator	eva.iglesias@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master bachelor	Teaching mode	Synchronous remote
Link	https://community.eelisa.eu/?post_type=eelisa_activity&p=1247		

WomenHackAI Siemens Female Data Science Network

Description

The purpose of the activity is to carry out an interdisciplinary task involving two mandatory courses of the program, namely Computer-based Systems and English for Professional and Academic Communication. The student registered in both courses is expected to accomplish a task to apply that knowledge learnt in the special-content course and write a Technical Report of it in English to be further submitted for a mandatory task in the course of English for Professional and Academic Communication. Both the written document and its oral presentation will be marked in order to pass the course. Furthermore, exploring the literature will also provide insights on the technologies that are being developed and how they can be applied for the benefit of our Green Planet Community.

Assessment: Written document according to rubric and oral presentation in the classroom to the teachers involved

Deliverables:

The student is required to first write a short description of the task stating a general goal as well as discussing the scope of it. The written document is to be submitted according to schedule. The most outstanding findings are to be designed in a visual -poster- format to be presented orally and scored by both the specialist teacher and the language teacher.

Community	Green Planet		
Coordinator	Bernardo.tabuenca@upm.es	ECTS	
Kind of activity	Workshop		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master bachelor	Teaching mode	Hybrid
Link	https://community.eelisa.eu/?post_type=eelisa_activity&p=1256		

5G technology in the digital transformation of healthcare

Description

This is an incubation program for entrepreneurs and startups interested in Asian markets. The program provides networking with the entrepreneurship ecosystem in Shanghai / China / Asia, co-working space, activities to link with VCs, suppliers, partners and potential consumers, administrative and legal support, and further education in connection with Asian markets. The program provides some scholarships.

Frequency: 2 times per year / 5 months each

Community	Tech Diplomacy & International Cooperation		
Coordinator	claudio.feijoo@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master bachelor	Teaching mode	In person
Link	https://community.eelisa.eu/activities/entrepreneurship-incubation-program-in-shanghai-xiji-incubator/		

Math4SDG

Description

Ciclo de conferencias sobre el uso y el estado de la innovación tecnológica en Asia. Se han cubierto ya dos ediciones (la última en noviembre de 2021) con un libro publicado por Casa Asia con el título "China innova".

Duration/Hours: Half-day per conference

Community	Tech Diplomacy & International Cooperation		
Coordinator	claudio.feijoo@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master bachelor	Teaching mode	Synchronous remote
Link	https://community.eelisa.eu/activities/ciclo-de-conferencias-casa-asia-sobre-innovacion-tecnologica/		

Interactive Panel: Open Science Marathon for Early Career Researchers

Description

Ciclo de conferencias sobre la innovación tecnológica en diferentes sectores de interés en China: AI, aerospacio, 5G, agri-food, edutech, ...

Duration/Hours: 2 hours / event

Community	Tech Diplomacy & International Cooperation		
Coordinator	claudio.feijoo@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master bachelor	Teaching mode	Synchronous remote
Link	https://community.eelisa.eu/activities/ciclo-de-conferencias-fundacion-consejo-espana-china-sobre-innovacion-tecnologica/		

Ethos + Tekhnè: a new generation of AI researchers

Description

Hackathon to use entrepreneurial tools to propose new solutions for the development of deserted (lack of water) areas. It takes place in three half-days: motivation-background information, development of ideas, discussion and pitch. It is expected to happen yearly.

Assessment: Presentation of innovative proposals

Hours: 3 half-days hackathon

Community	Tech Diplomacy & International Cooperation		
Coordinator	claudio.feijoo@upm.es	ECTS	
Kind of activity	Contest		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master bachelor	Teaching mode	Blended
Link	https://community.eelisa.eu/activities/hackathon-on-entrepreneurship-and-innovation-in-deserted-areas/		

Travel Awards E | PTS Conference

Description

This MOOC deals with a cross-cutting theme in engineering and architecture – curves – approached from the point of view of mathematics and linked to other subjects: construction, industrial design and production, and road safety. The course combines rigorous training with the excitement that comes from posing a problem, together with the discovery of its solution and practical applications to sustainability challenges.

Each of the three subjects consists of three modules with the following structure:

The first, introductory, module describes the practical setting and a real world example or problem whose study involves curves.

The second module presents the materials, ideas, and methods that will be used. The third module serves to deepen understanding and describe connections with related topics. Some modules finish with a collection of links to go further and some videos to know more about curves and surfaces in connection with sustainability issues.

Community	SSERIES: Science for Sustainably Envisioning Reality and Information for an Engaged Society		
Coordinator	mariajesus.vazquez@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2022-10-01	Ending date	2023-09-30
Target group	master bachelor phd researcher educator business society alumni	Teaching mode	Asynchronous remote
Link	https://community.eelisa.eu/activities/mooc-curves-in-engineering-and-architecture/		

Ph.D. student Position in Knowledge Graphs, Linked Data and Decentralised Information Systems at FAU

Description

Technical and training meeting between students, university staff and environmental and sustainability professionals, administrations and NGOs.

Community	Green Planet		
Coordinator	silvia.merino@upm.es	ECTS	
Kind of activity	Workshop		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2023-04-19	Ending date	2023-04-20
Target group	master bachelor phd researcher	Teaching mode	In person
Link	https://community.eelisa.eu/?post_type=eelisa_activity&p=5548		

AI4Gov Start-Up Contest

Description

🔊 WEBINAR

An educational approach on socio-civic challenges is the umbrella for the webinar, where we will have João Couvaneiro, from the National Board of Education, a representative for the Pro-Rector of Sustainability at NOVA, a representative for the Students Association from Universidade Nova de Lisboa, and Luísa Sousa, Ivo Louro and André Pereira, researchers in a renowned Research Center in Portugal in History of Science and Technology. Paula Urze will be moderating the session.

We hope to have a broad and lively discussion related to circularity and sustainability in education.

Community	Circular EELISA Community		
Coordinator	i.navalhas@campus.fct.unl.pt	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2023-06-26	Ending date	2023-06-26
Target group	master bachelor phd researcher all	Teaching mode	Synchronous remote
Link	https://community.eelisa.eu/activities/an-educational-approach-on-socio-civic-challenges/		

Job Opening: Doctoral Candidate in the Research Field of Production Automation at FAU

Description

The “Master program on AI for public services (AI4Gov)” is a project from three leading European Universities in AI and its delivery into public services. Together they currently deliver high-quality technology, e-government, public administration, design thinking and digital transformation education to more than 100,000 students.

The universities in the consortium (Politecnico di Milano, Tallinn University of Technology, and Universidad Politécnica de Madrid) and the centres of excellence in AI (Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)) have a shared vision and are designing and delivering a world-class master’s program on the use of AI in public service delivery. This new program will boost the public sector’s capacity in managing, understanding, and developing AI related projects and services in the hope that they will improve the provision, effectiveness, and value of public services throughout European society.

The program’s core objectives are providing education on: (i) the management of AI-based public services, (ii) the usage of AI in public administration’s operations, and (iii) the governance of AI in the public sector and for the delivery of public services to society. The overall expected outcome culminates in the education of functional specialists in both AI and public services.

Community	Tech Diplomacy & International Cooperation		
Coordinator	claudio.feijoo@upm.es	ECTS	
Kind of activity	Thesis		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master	Teaching mode	Blended
Link	https://community.eelisa.eu/activities/master-thesis-on-ai-for-public-services/		

Job Opening: Doctoral Candidate in the Research Field of Electromechanical Engineering

Description

As a part of the European trend on reinventing democracy, this is an event to gather key individuals specialized in technology, democracy, diplomacy, public services and ethics. The event is planned as a series of roundtable and workshops open to discussion. Students attending are expected to conduct further research in the topics discussed.

Community	Tech Diplomacy & International Cooperation		
Coordinator	claudio.feijoo@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master bachelor	Teaching mode	In person
Link	https://community.eelisa.eu/activities/tech-diplomacy-conference-in-switzerland-2-day-event/		

Creation and start-up of a Multidisciplinary Territorial Information System for the proposal of activities within the framework of the projects: "Metropolitan Forest" and "Producer Neighborhoods" (Madrid City Council)

Description

EELISA UNFOLDS is set to become a leading European initiative in the transformation of higher education institutions (HEIs) to key players in the entrepreneurial and innovation ecosystem by means

of actions on:

- innovative student engagement activities;
- new collaborations with external partners looking for co-creation of high-impact social and economic opportunities;
- enhanced structures for creating start-ups and venture builders for spin-offs;
- specific programmes for innovation-driven research;
- the development of an entrepreneurial curricula based on credentials;
- the development of advanced training and mentoring schemes.

The implementation of the IVAP in this proposal is expected to:

- increase student engagement in entrepreneurial activities with a long-term vision where every student within the consortium HEIs has experienced a hands-on entrepreneurial activity;
- position consortium HEIs at the core of their regional and national entrepreneurship and innovation ecosystems, and the full consortium as a best practice case in the transformation of HEIs towards innovation and entrepreneurship;
- launch new structures and programmes on start-up creation and venture building for spin-offs to enable all consortium HEIs to become attraction nodes for talent and opportunities within their respective ecosystems;
- reshape research objectives at HEIs to be guided by innovation opportunities when technologies are mature enough;
- launch a credential that records entrepreneurial activities for students, researchers and staff and becomes a de-facto standard in the long-term;
- develop specific training programmes for professors, professors-to-be and external experts so they are able to deliver both education in entrepreneurship and mentoring in venture creation with a long-term vision for HEIs to enhance entrepreneurship skills.

The pilot project builds on the experience of three leading universities in the entrepreneurial and innovation domains that also look to further enhance their respective track records: Universidad Politécnica de Madrid, Friedrich-Alexander-Universität Erlangen-Nürnberg and Budapest University of Technology and Economics.

The consortium is complemented by four non-Knowledge and Innovation Community partner HEIs that will benefit from these experiences but also contribute with specific knowledge (École Nationale des Ponts et Chaussées, Scuola Normale Superiore, Polytechnic University of Bucharest and Sant’Anna School of Advanced Studies) and two associated partners (ARTES4.0 and Fundación Universidad Empresa) that belong to the knowledge triangle and will help to bridge gaps between the main stakeholders in the ecosystem. All of the HEI members of the consortium are part of the European Engineering Learning Innovation and Science Alliance, meant to define and implement a common model of European engineering rooted in society.

Community	Tech Diplomacy & International Cooperation		
Coordinator	claudio.feijoo@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master bachelor	Teaching mode	Hybrid
Link	https://community.eelisa.eu/activities/eelisa-unfolds/		

SUMMER SCHOOL “ARTIFICIAL INTELLIGENCE, ETHICS & HUMAN RIGHTS” at UPM

Description

After completion of the course, students are expected to understand and be able to use a number of very practical methods to manage innovative projects within a company or organization and/or to pursue their own intra/entrepreneurial endeavours following new approaches.

This subject is derived from the idea that the new methods originated in the entrepreneurial arena in the last decade can be extremely useful for managers and intrapreneurs. These methods facilitate a better understanding of the customer and an ability to rapidly adapt any theoretical project to realistic metrics. These new methods acknowledge the fact that innovation and business models are created in a learning process, and that innovation can be “engineered” to increase the chances of success.

The goal of this course is to develop a real intra-entrepreneurial project that complies with the needs of today’s society by working on multidisciplinary teams. This practical course will follow the “Lean Startup” method with additionally selected course-related content.

The course consists of several parts; creative (design) thinking to look for ideas, re-shaping of ideas for them to become project proposals, value proposition, experiment design, prototyping and use of tools and methodologies such as business model canvas and lean start-up. The course will emphasize the practical side of the tools and will introduce related key concepts on the innovation / intra / social / entrepreneurial ecosystems with a particular focus on Spain / Europe and the opportunities related to China / Asia.

Participants will learn how to prototype using different tools. Furthermore, the course will provide the opportunity for each team to work with an experienced mentor. Participants will also have access to exclusive events related to entrepreneurship, where they can meet and learn from successful entrepreneurs and innovators

During the course, students will team-work in a practical project of their own that will be presented, discussed and evaluated in a final pitch session.

The course takes place every semester, with two months duration and two sessions per week.

Community	Tech Diplomacy & International Cooperation		
Coordinator	claudio.feijoo@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-01-01	Ending date	2021-12-31
Target group	master bachelor	Teaching mode	Synchronous remote
Link	https://community.eelisa.eu/activities/course-on-introduction-to-intra-social-entrepreneurship/		

Starting Business Ideas @FAU

Description

MOOC “Curves in Engineering and Architecture”:

This course deals with a cross-cutting theme in engineering and architecture – curves – approached from the point of view of mathematics and linked to other subjects: construction, industrial design and production, and road safety.

The course combines rigorous training with the excitement that comes from posing a problem, together with the discovery of its solution and practical applications to sustainability challenges.

The course is structured in three independent parts:

Part I: Curves in construction and architecture.

Part II: Curves in road safety.

Part III: Curves in industrial design and manufacturing.

Each part consists of three modules with the following structure:

#1. The first, introductory, module describes the practical setting and a real world example or problem whose study involves curves.

#2. The second module presents the materials, ideas, and methods that will be used.

#3. The third module serves to deepen understanding and describe connections with related topics. Some modules finish with a collection of links to go further and some videos to know more about curves and surfaces in connection with sustainability issues.

Assessment: This MOOC comprises 9 modules and mandatory evaluation test are – Test 1 and test 2 for modules 1, 2, 4, 5, 7 and 8. Test 1 for modules 3, 6 and 9.

Community	SSERIES: Science for Sustainably Envisioning Reality and Information for an Engaged Society		
Coordinator	mariajesus.vazquez@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2021-09-01	Ending date	2022-08-31
Target group	all	Teaching mode	Asynchronous remote
Link	https://community.eelisa.eu/activities/mooc-curves-in-engineering-and-architecture-upm/		

II

Description

This activity aims to foster the collaboration among students, academic staff in Mathematics and other disciplines, within the EELISA alliance and possibly interested external agents, by means of the realization of multidisciplinary projects.

It is meant to be a continuation of the Math4SDG project, carried out within the framework of the 1st EELISA Joint call.

In a first phase of this new activity, mixed groups formed by students in Mathematics, or closely related degrees, and other different disciplines will develop a project under the supervision of faculty members of the involved Universities, or an external agent.

Examples of possible collaborations are:

Mathematical models in population dynamics and/or epidemiology, with a biotechnology perspective

Mathematical models in civil engineering, with applications to dams

Interplay between different areas of mathematics

Mathematical approaches to Sustainable Development Goals

In the second part of the activity, the teams will present their work in a joint workshop, whose mode and organization will be defined once the participants will be identified.

The organization of this activity has been selected in the 2nd EELISA joint call and will take place until the end of September 2023. The realization of the activity will take place later, during the academic year 2023-2024, according to the needs of the participating institutions.

If you are a student, or a researcher/ professor, or an external agent interested in participating, please contact the coordinator of the activity, Andrea Tellini (UPM).

Community	SSERIES: Science for Sustainably Envisioning Reality and Information for an Engaged Society		
Coordinator	andrea.tellini@upm.es	ECTS	
Kind of activity	Challenge		
Principal SDG	SDG 4 - Quality Education	Others SDG	
Starting date	2023-09-01	Ending date	2024-06-30
Target group	master bachelor phd researcher educator society	Teaching mode	Hybrid
Link	https://community.eelisa.eu/activities/math4mp-mathematical-approaches-for-multidisciplinary-projects/		

Urban Mobility Solutions for Liveable Cities: The challenge of low emission zones

Description

Documentary and educational dance show in which the relationship between dance and science is developed.

Mathematical dissemination through dance.

The students will participate in the search for documentation and in the development of the documentary-show.

Deliverables: The student will develop a report on their participation in the activity and their learning. They will conduct various surveys. They will participate in the drafting of articles and documents on the activity carried out

Community	SSERIES: Science for Sustainably Envisioning Reality and Information for an Engaged Society		
Coordinator	marilo.lopez@upm.es	ECTS	
Kind of activity	Challenge		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG 5 - Gender Equality
Starting date	2021-09-01	Ending date	2022-12-31
Target group	master bachelor	Teaching mode	In person
Link	https://community.eelisa.eu/activities/math-and-dance/		

International Open Access Week 2022: Open Access Lecture- Legal Issues, Quality Criteria, Funding at FAU online

Description

Service learning project where students will participate to bring knowledge to all audiences. They will develop workshops, courses, talks and fun activities related to science.

They will collaborate with social centers and organizations.

Deliverables: The student will develop a report on their participation in the activity and their learning. They will conduct various surveys. They will participate in the drafting of articles and documents on the activity carried out

Community	SSERIES: Science for Sustainably Envisioning Reality and Information for an Engaged Society		
Coordinator	marilo.lopez@upm.es	ECTS	
Kind of activity	Challenge		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG 5 - Gender Equality
Starting date	2022-01-01	Ending date	2022-12-31
Target group	master	Teaching mode	In person
Link	https://community.eelisa.eu/activities/matcultu-math-for-everyone/		

How to set up a citizen laboratory (CL)?

Description

Collaboration in the Aula Taller Museo de las Matemática is a space dedicated to science that works with all types of public. Activities are carried out to approach the university, promote technological vocations, conferences, courses, workshops, etc. Students will participate in all actions.

Deliverables: The student will develop a report on their participation in the activity and their learning. They will conduct various surveys. They will participate in the drafting of articles and documents on the activity carried out

Community	SSERIES: Science for Sustainably Envisioning Reality and Information for an Engaged Society		
Coordinator	marilo.lopez@upm.es	ECTS	
Kind of activity	Challenge		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG 5 - Gender Equality
Starting date	2021-09-01	Ending date	2022-08-31
Target group	all	Teaching mode	In person
Link	https://community.eelisa.eu/activities/aula-taller-museo-de-las-matematicas/		

3VIA 2022: A trivia night on the circular economy @ European Researchers' Night 2022

Description

The Journal of Educational Research and Innovation “Pensamiento Matemático” (PM) is the journal of the Educational Innovation Group- (GIE) “Pensamiento Matemático”, both of the Universidad Politécnica de Madrid -Polytechnic University of Madrid- (UPM).

It is an online free access scientific publication, biannual until 2021 and anual thereafter. It is currently run through the Escuela Técnica Superior de Ingenieros de Caminos, Canales y Puertos of the UPM (Madrid, Spain).

Its main purpose is to contribute to the scientific and educational advance in the field of mathematics, by presenting research and innovation papers carried out in the teaching of this science, which therefore contributes to the professional development of the teachers.

A new section has been created in the magazine: Mathematics for sustainability. This section includes works where mathematics is put at the service of sustainability, contributing to the optimization of economic, environmental and social aspects.

The proposal is that this section be managed by the students of the Alliance.

Assessment: Global evaluation of all learning based on active participation; content creation and evaluation.

Deliverables: The student will prepare a report on their participation in the activity and their learning. You will conduct various surveys. Participate in the writing and evaluation of journal articles

Community	SSERIES: Science for Sustainably Envisioning Reality and Information for an Engaged Society		
Coordinator	marilo.lopez@upm.es	ECTS	
Kind of activity	Challenge		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG 5 - Gender Equality
Starting date	2021-09-01	Ending date	2022-08-31
Target group	master bachelor	Teaching mode	Synchronous remote
Link	https://community.eelisa.eu/activities/journal-of-educational-research-and-innovation-pensamiento-matematico/		

Art &

Description

Art & is an activity of the SSERIES community, organised jointly with the National Institute of Nuclear Physics and the CERN in Geneva, to promote scientific culture among students, combining the languages of art and science, two tools of knowledge among the highest expressions of human creativity.

The project is aimed at secondary and high school students from the Madrid region, who will be mentored by university students from the EELISA Alliance. The aim: the dissemination of science through art.

If you are a bachelor's or master's student at any of the ELISA Alliance universities, we encourage you to collaborate with ART&SCIENCE.

All you have to do is sign up as a mentor individually or in a team (each mentoring team can be a maximum of three students).

You will be assigned a participating team of ESO and Bachillerato students whom you will accompany throughout the project.

Your collaboration will consist of:

Helping with the activities to be carried out: talks, visits, workshops...

Advising the team with their project: guiding them, advising them and solving their doubts.

Find more info here

A Summation will be held in Madrid on April 21 and 22, 2023, as an international face-to-face event for presentation of results and awards ceremony of this activity among others SSERIES activities selected to be financed by the First EELISA Joint Call.

For attending the Summation, please fill in this registration form until April 14, 2023.

The event will take place at the ETSI Caminos, Canales y Puertos, University City Site Building, Universidad Politécnica de Madrid. You can check the preliminary program here.

Community	SSERIES: Science for Sustainably Envisioning Reality and Information for an Engaged Society		
Coordinator	marilo.lopez@upm.es	ECTS	
Kind of activity	Contest		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG 5 - Gender Equality
Starting date	2022-10-01	Ending date	2023-08-31
Target group	master bachelor	Teaching mode	Hybrid
Link	https://community.eelisa.eu/activities/new-edition-of-artscience-contest/		

Workshop: "New occupation and qualification in green and smart air transport"

Description

The spread of disinformation and misinformation has become a complex social challenge that can negatively affect health, climate, environment, economy and institutions.

Helps us to overcome this challenge by participating in this SSERIES activity organized by four EELISA universities (École des Ponts, ParisTech, Friedrich-Alexander-Universität, Istanbul Teknik Üniversitesi and Universidad Politécnica de Madrid). You can start by filling the registration form in a few minutes and we will contact you shortly with more information.

You can participate into this activity by any of these two actions:

1) Feeding a database of news classified by their verified level of veracity. In a crowdsourcing process, each person should look for at least 5 news linked to sustainability and information enough to check their level of veracity, uploading all this onto a web platform through a suitable online form. Faculty members will curate this info. This can be done from December, 1, 2022 to March, 7, 2023.

2) Participating in an intercampus teams championship against disinformation: in March, 23, 2023, the teams would attend the championship in person at their own campus to connect online with the rest of the participants. Students should register themselves in teams of 3 people (until February, 28, 2023) to participate in this debate league in which they develop their arguments to convince about the level of veracity of certain news.

Check here the rules of the Championship!

[Championship_against_disinformation_RULES_2023](#)Download

There will be an awards ceremony for the March 23 championship winning teams to be held in Madrid, in April 2023, as part of an international "Summathon" to be held in Madrid, on April 21 and 22, 2023. Moreover, a new face-to-face edition of the championship will be celebrated on April 22, as part of the Summathon.

This Summathon will be a joint event with other two EELISA activities organized by SSERIES. In this way, it will be a good occasion to meet other EELISA people and to explore future collaborations.

Here you can check the details of the Summathon and register:

And if you are an EELISA student, this opportunity to combat disinformation and to gain an EELISA credential signed by the EELISA alliance of European universities is waiting for you!

Community	SSERIES: Science for Sustainably Envisioning Reality and Information for an Engaged Society		
Coordinator	mariajesus.vazquez@upm.es	ECTS	
Kind of activity	Contest		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG 5 - Gender Equality SDG16 - Peace, Justice & Strong Institutions
Starting date	2022-09-01	Ending date	2023-08-31
Target group	all	Teaching mode	Hybrid
Link	https://community.eelisa.eu/activities/championship-against-disinformation/		

Research Assistant / PhD student (f/m/d) in the field of Applied Quantum Technologies at FAU

Description

Solar Decathlon (SD) is a university competition created by the U.S. Department of Energy in 2002, and nowadays extended to the whole world along different editions held in Europe, China, Middle East, Latin America and Africa. Its main objective is to educate the next generation of architects and engineers, making them and the public aware of the efficient use of energy, and promoting the development of integrated solar energy in houses.

The competition consists of designing, building and operating a prototype of energy self-sufficient housing, powered by the sun, and equipped with all of the technologies that allow maximum energy efficiency. The prototypes have to be assembled in a "Solar Village" for exhibition and they have to participate in 10 different contests that make up the Competition (a decathlon).

ITÜ Solar Team will be competing in SD Europe 2022. UPM has applied to enter the competition in SD Europe 2023. Both universities are members of EELISA Alliance and both have previous experiences in Solar Decathlon. The activity plan is to send a student's patrol to collaborate and to learn and gain experience with a host team. So, ITÜ SD Team will host the UPM SD Team Patrol in 2022 while competing in SDEurope 2022. UPM SD Team will host the Team Patrol from the EELISA institution entering the 2024 or subsequent editions while competing in SDEurope 2023.

This way, the extraordinary experience gained by entering a Solar Decathlon will not only remain in the institution which competes, but will be shared by EELISA institutions by concatenating the different patrols and students teams.

Deliverables:

Travel plan report and agreement with host team works schedule.

Active patrol supporting the Solar Decathlon team during assembly works and competition.

Report including lessons learnt, recommendations for the next patrols and conclusions.

Community	Sustainable Buildings, Cities and Communities		
Coordinator	mcarolina.hernandez@upm.es	ECTS	
Kind of activity	Challenge		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG 7 - Affordable & Clean Energy SDG11 - Sustainable Cities & Communities
Starting date	2022-01-01	Ending date	2022-12-31
Target group	master bachelor	Teaching mode	In person
Link	https://community.eelisa.eu/activities/solar-decathlon-patrols/		

ISMT conference with travel awards for EELISA guests

Description

First held in 2021 as part of the European Researchers' Night, ScapeRoom 2022 is the second public activity of the gamification trilogy titled CIRCULAR IN PLAY, which is a recipient of the first EELISA Joint Inter-institutional Activities in Communities fund. This year, ScapeRoom was held during the 2022 Madrid Science and Innovation Week. The Circular EELISA Community organizes the activity in which teams of students participate in different challenges, 3R Pictionary and Earth' Defenders, with the aim of awakening curiosity and interest around the Circular Economy and social and civic skills. The event also includes short informative presentations and discussion sessions geared towards first- and second-year university students from diverse countries. Besides a brief presentation of the basics on the concept of the circular economy, and an introduction to the EELISA Alliance. Up to 51 participants (among them, 29 students) from different universities and countries joined the meeting and formed groups to solve the quizzes. Attendees are eligible for an EELISA Discovery badge.

The host universities include Universidad Politécnica de Madrid (UPM), Istanbul Teknik Üniversitesi (ITU), Universitatea Politehnica din Bucureşti (UPB), and Scuola Superiore Sant'Anna Pisa (SSSA).

Community	Circular EELISA Community		
Coordinator	circular.community@upm.es	ECTS	
Kind of activity	Contest		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG 8 - Decent Work & Economic Growth SDG12 - Responsible Consumption & Production
Starting date	2022-11-18	Ending date	2022-11-18
Target group	master bachelor	Teaching mode	Synchronous remote
Link	https://community.eelisa.eu/activities/scaperoom-2022-a-vigorous-escape-from-linear-economy-via-international-collaboration/		

Knowledge Bites #13 : Basics of Open Science and why you should become an advocate.

Description

General information about UPM International Summer Schools

The UPM International Summer Schools are multilingual study abroad programmes. They address some of the latest trends in engineering and architecture, combined with a taste of Spanish language and culture in one of Europe's most cosmopolitan cities.

The UPM International Summer Schools reach out to a worldwide audience by combining courses taught in English (Anglotech) and Spanish (Hispanotech).

Students of the UPM International Summer School will:

Get acquainted with the latest technological trends, visit laboratories and benefit from the insight of industry experts

Gain access to advanced knowledge on architecture and engineering, and visit notable buildings and sites

Experience learning in a multicultural classroom with peers from different parts of the world

Get a feeling for Spanish language, an appreciation of Spanish culture and enjoy the Spanish way of life

The UPM International Summer Schools offer face to face courses on one of the UPM's campuses. They also offers an interesting cultural and social programme, including day trips to world heritage sites like Toledo, Segovia, and guided walks around Madrid and visits to the Prado and Reina Sofia Museums.

Registration deadline:

Until 30 April 2023.

Subtopic 1:

Artificial Intelligence

Artificial Intelligence refers to intelligence that allows machines to emulate intelligent behavior or to do things that, most of the time, people do better. AI technologies have a major impact on our daily activities in business, as individuals, and as a society.

Contact Hours 10 Dates 17, 18 & 21 July Director Asunción Gómez

Subtopic 2:

Data Science Fundamentals

Data Science is concerned with extracting the value potentially hidden in data to support decision-making processes. Challenges include analysis, capture, data curation, search, sharing, storage, transfer, visualization, querying, updating and information privacy.

Contact Hours 10 Dates 19, 20 & 21 July Director Ernestina Menasalvas

Reduced participation fees, travel and subsistence support

With regard to the registration fee, UPM offers students from EELISA universities (BME, ENPC, ITU, PSL, SNS, SSSA, FAU, UPB, UPM) a discount which consists in the payment of 50% of the registration fee. A discount and support for travel and accomodation cannot be granted twice to the same EELISA applicant for UPM international summer schools 2023. UPM decides on the final assignment of spots and fees. Travel and accommodation might be supported by your EELISA institution, please contact your local EELISA project coordinator.

Community	AI4manufacturing AI4Health SSERIES: Science for Sustainably Envisioning Reality and Information for an Engaged Society DIGITAL4PPP (People Planet Performance)		
Coordinator	info.summer.school@upm.es	ECTS	
Kind of activity	Summer / Winter / Seasonal schools		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG 9 - Industry, Innovation & Infrastructure
Starting date	2023-07-17	Ending date	2023-07-21
Target group	master bachelor	Teaching mode	In person
Link	https://community.eelisa.eu/activities/international-summer-school-artificial-intelligence-at-upm/		

Fusion of Satellite Image Time Series and Multimodal Data for Urban and Forestry Sustainable Development

Description

| Date: 03-05 July 2023, Madrid, Spain

| Place: Universidad Politécnica de Madrid (UPM), Escuela Técnica Superior de Ingeniería Agronómica, Alimentaria y de Biosistemas (ETSIAAB). Av. Puerta de Hierro, 2, 28040 Madrid.

Circular Models an event that seeks to promote research and innovation in the field of circular economy. This workshop brings together researchers, academics, and business representatives to explore innovative, inclusive and circular solutions. In this two-and-a-half-day event, key topics related to the circular economy will be addressed, such as culture, creativity and inclusive society, advanced materials science, and climate change, energy and sustainable mobility. Through expert panels, thematic round tables and interactive sessions, participants will be able to share knowledge, experiences, and good practices.

The main objective of the workshop is to promote the generation of collaborative research projects and strengthen alliances between universities, companies and other institutions. It also seeks to generate opportunities to present proposals that allow establishing collaboration channels and alliances for future interuniversity collaborations at European level such as: seasonal school, blended intensive programs (BIP) or joint degrees (master, doctorate). This event also seeks to engage young researchers, including master's and doctoral students, to bring them closer to research projects, the development of social and sustainable competences, and the resolution of global challenges.

Join us in building a more circular and sustainable future! We invite academics, researchers, companies and other interested parties to participate in this workshop and contribute their knowledge and experiences. Together, we can drive research, innovation and collaboration towards a circular economic model.

Interested professors and researchers must confirm their availability and desire to participate, as well as send their contact details to: circular.community@upm.es.The budget to support travel and accommodation expenses will be distributed considering the objectives and goals of the workshop, and to have the representation of all EELISA partners in a balanced manner. In addition, it will also be assigned in strict order of application.

Community	Circular EELISA Community		
Coordinator	circular.community@upm.es	ECTS	
Kind of activity	Workshop		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG 9 - Industry, Innovation & Infrastructure SDG11 - Sustainable Cities & Communities SDG12
Starting date	2023-07-03	Ending date	2023-07-05
Target group	phd researcher business	Teaching mode	In person
Link	https://community.eelisa.eu/activities/circular-models-research-innovation-and-partnerships-towards-circularity/		

The Perfect Circle: learning how regeneration expands plastics lifespan

Description

This Hackathon consists of a competition during which students, working in groups, will have to solve a technological challenge with social impact. During the challenge development, each team has a mentor from the collaborating companies. The hackathon takes place during a day, following 4 phases:

Research: The day of the Challenge, students will receive specific information about the challenge they have to solve. In this phase, they will have to research and look for information about the challenge. For that purpose, they will receive a questionnaire on the minimum information required to continue the Challenge.

Ideation: Once the previous phase is finished, participants will be provided with the answers, as well as some additional information to continue the Challenge. Next, students should find a possible solution to the issue raised and they will present it to all groups and mentors in 1-2 minutes as a "speech". This phase will be assessed by members of the companies acting as mentors for the teams.

Evolution: The selected finalist teams will have time to evolve their idea and prepare a 4-5 minutes presentation. A jury will evaluate the solutions, which will be presented to all groups. Meanwhile, the teams that have not reached the final will receive feedback from the mentors, and later on, they should attend their colleagues' presentations.

Decision: The jury of experts and professionals will have time to deliberate and choose the winning teams for the different categories. There will also be a popular prize awarded by all the participants. After the award ceremony where different companies offered their prizes, the day will end with a time/space for networking with the companies' professionals and HR personnel who have been attending the competition. It should be noted that, prior to the hackathon, training activities are organized by companies aimed at preparing the teams.

After the excellent response by both students and companies, there will be a further edition next year. On this occasion, teams from different UPM schools and other universities from the EELISA Alliance will be included.

Community	Egalitarian Societies: Opportunities for Everyone (ES: O4E)		
Coordinator	consuelo.fernandez@upm.es	ECTS	
Kind of activity	Challenge		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG 9 - Industry, Innovation & Infrastructure SDG17 - Partnerships for the Goals
Starting date	2021-10-01	Ending date	2021-10-31
Target group	master bachelor	Teaching mode	In person
Link	https://community.eelisa.eu/activities/idea-challenge-hackathon/		

Our Office Workshop research

Description

Our first flagship project of the second Call of EELISA will consist of several activities, with a level 3 impact (commitment) and will be recognised as such with a badge for your EELISA Credential.

We are happy to announce our first activity of the year:

4 April, 11.30 AM

Escuela de Ingenieros de Caminos, Canales y Puertos, c/Profesor Aranguren, Ciudad Universitaria, Madrid—Sala José Echegaray, First floor.

CHALLENGES OF URBAN MOBILITY

Lecture by Prof, Susan Handy, Department of Environmental Science and Policy, University of California at Davis.

Dr. Susan Handy is internationally known for her research on the relationships between transportation and land use, particularly the impact of neighborhood design on travel behavior, and on strategies for reducing automobile dependence. Her recent work includes a series of studies on bicycling in Davis, in addition to projects for the California Air Resources Board and Caltrans on methods for evaluating the impacts on vehicle travel of proposed land development and transportation projects.

[Click to see and download programme here.](#)

REGISTRATION: To register, please write to: eemove.community@a-sierraalumnos-upm-es

SCHEDULE

4. April 2022: Input lecture by Professor Susan Handy - Department of Environmental Science and Policy - University of California Davis

11:30-13:00: Challenges of urban mobility: the problem of car use and how to deal with it

13:00-13:30: Light lunch break

13:30-15:00: Creating low car-dependent cities. International good practices.

EELISA CREDENTIAL

This activity is at the learning outcome level of commitment (level 3), which means that the work carried out will be recognised with a badge for you EELISA Credential.

The EELISA Credential is the academic recognition system of EELISA for the participation in innovation-based activities organized by EELISA Communities such as EELISA-on-the-MOVE.

Don't hesitate and start collecting badges for your credential!

Community	EELISA-on-the-MOVE		
Coordinator	eemove.community@upm.es	ECTS	
Kind of activity	Challenge		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG 9 - Industry, Innovation & Infrastructure SDG17 - Partnerships for the Goals
Starting date	2022-04-04	Ending date	2022-04-04
Target group	all	Teaching mode	In person
Link	https://community.eelisa.eu/activities/challenge-of-urban-mobility/		

High-tech Entrepreneurship: Lecture #6 - Tips and tools for valorization of results in the LS sector

Description

TejeMat is an activity of the SSERIES community within the European University Alliance EELISA and the UPM Mathematical Thinking GIE, organized in collaboration with the Association of Solidarity Crafts La IAIA and Katia, a brand of textile crafts. Its purpose is to promote scientific culture among students, combining the languages of crochet and mathematics, two tools linked to human creativity.

Community	SSERIES: Science for Sustainably Envisioning Reality and Information for an Engaged Society		
Coordinator	ester.patino@upm.es	ECTS	2
Kind of activity	Workshop		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG10 - Reduced Inequalities
Starting date	2023-10-18	Ending date	2023-12-21
Target group	master bachelor phd researcher educator alumni	Teaching mode	In person
Link	https://community.eelisa.eu/activities/tejemath-mathematical-crochet/		

Can AI counteract discrimination against women?

Description

Global Challenge is an inter-university transformative learning program that fosters competencies in sustainability, creating meaningful learning environments that are committed to student engagement and empowerment, innovation and care. The objective is to address the questioning of the beliefs that support the current paradigms on inequalities, our relationship with nature, well-being, our capacity to transform reality, and people's empowerment to collectively lead initiatives for change.

Methodology: transgressive learning

Integration of dynamic, disruptive and emotional contexts: thought-provoking, fun, challenging and able to activate emotional and critical elements. Formation of multidisciplinary teams to promote an inter-campus program of reflection and collective action in the face of the global sustainability crisis. Commitment to the empowerment and leadership of the students, so they are the ones who make the decisions, lead the activities and work in co-responsibility with other University stakeholders. Bringing the university closer to the local community of which it is a part, participating and learning from actors and processes involving real change.

Learning approaches

Training program in sustainability competencies: global poverty, climate emergency, human mobility, feminism, human mobility, caregiving, sustainable economic models, inequality, etc. Inter-university events for encounter, exchange, learning and reflection, in which students with an active interest in climate emergency and human rights from the participating universities spend a weekend together. Space for participation and activism (Motor Group), in which students are supported by a mentor in their participatory action research (PAR). It implies:

Weekend training meeting

Weekly teamwork sessions

During the academic year, different topics will be worked on to develop a concrete action.

Community	Ethics, Social Commitment & Entrepreneurship Tech Diplomacy & International Cooperation		
Coordinator	globalchallenge.ongawa@gmail.com	ECTS	
Kind of activity	Challenge		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG10 - Reduced Inequalities SDG13 - Climate Action SDG17 - Partnerships for the Goals
Starting date	2022-10-01	Ending date	2023-05-31
Target group	master bachelor	Teaching mode	In person
Link	https://community.eelisa.eu/activities/global-challenge-action/		

Third CO-CREATION SEMINAR: URBAN MOBILITY SOLUTIONS FOR LIVEABLE CITIES: THE CHALLENGE OF LOW EMISSION ZONES

Description

The students completed a series of activities in gymkhana or parkour format, answering questions and challenges based on the Circular Economy. The students worked in groups to solve the proposed challenges, using their creativity they solved sustainability problems with a Circular Economy mentality.

The EELISA Circular Community organized in September the activity “SPARKS: An international parkour around Circular Economy” as part of the European Researchers’ Night. SPARKS was jointly undertaken by the Universidad Politécnica de Madrid, the Istanbul Technical University and the Universitatea Politehnica din București. This event was both an educational and networking opportunity for European university and high school students. The parkour aimed at raising awareness on Circular Economy through the completion of three pedagogical challenges (Puzzle!, Earth’s Defenders, and 3R Pictionary). Up to 57 participants (among them, 35 students) joined the event and formed groups to solve the proposed challenges and to use their creativity in order to address sustainability problems with a Circular Economy mindset. At the end of the event, the organizers presented the participants the EELISA Alliance.

20 hours of preparation; 2,5 hours for development.

Community	Circular EELISA Community		
Coordinator	justo.gnavarro@upm.es	ECTS	
Kind of activity	Course / Seminar		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG11 - Sustainable Cities & Communities SDG12 - Responsible Consumption & Production
Starting date	2021-09-24	Ending date	2021-09-24
Target group	master bachelor	Teaching mode	Synchronous remote
Link	https://community.eelisa.eu/activities/sparks-an-international-parkour-around-circular-economy/		

Knowledge Bites # 14 : Open Innovation in Sustainability Context

Description

Period: 27-28 september 2023

Place: Universidad Politécnica de Madrid

Organisers: University POLITEHNICA of Bucharest (UNESCO Chair), Universidad Politécnica de Madrid, Université de Strasbourg, Airport College International Ltd and Menzies Aviation Romania SA.

The aviation industry is evolving rapidly with the advent of new technologies and the urgent need to address environmental issues. Therefore, there is a growing demand for professionals with new skills and qualifications in the field of green and smart air transport.

To meet this demand, there are a variety of new occupations and qualifications emerging in the industry. These include roles in sustainable aviation fuel production and distribution, electric and hybrid aircraft technology and data analytics for intelligent air traffic management.

Within the workshop "New occupation and qualification in green and smart air transport", the analysis carried out by the Erasmus+ project "Creative digital teaching and learning for green air transport and logistics" (AVIONIC) on the evolution of new occupations and qualifications in air transport link to the digitalisation is presented. At the workshop, organised also with the support of the "EELISA" project, representatives from European higher education institutions, airports, airline operators, air traffic control providers and students will be participants.

The workshop will be a challenge for a university-business dialogue in order to develop a modern internationalised aviation education, well attuned to the future requirements of air transport regarding the digitalisation of air transport and the reduction of environmental impact.

For registration and questions please send an e-mail to teodoradrian94@gmail.com (Teodor Gîrniță).

EELISA Travel and subsistence support

Travel and accommodation might be supported by your institution, please contact your local EELISA project coordinator.

Community	Sustainable Air Transport		
Coordinator	teodoradrian94@gmail.com	ECTS	
Kind of activity	Workshop		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG11 - Sustainable Cities & Communities SDG12 - Responsible Consumption & Production SDG13
Starting date	2023-09-27	Ending date	2023-09-28
Target group	master bachelor phd researcher alumni	Teaching mode	In person
Link	https://community.eelisa.eu/activities/workshop-new-occupation-and-qualification-in-green-and-smart-air-transport/		

MOOC 'Curves in Engineering and Architecture'

Description

General information about UPM International Summer Schools

The UPM International Summer Schools are multilingual study abroad programmes. They address some of the latest trends in engineering and architecture, combined with a taste of Spanish language and culture in one of Europe's most cosmopolitan cities.

The UPM International Summer Schools reach out to a worldwide audience by combining courses taught in English (Anglotech) and Spanish (Hispanotech).

Students of the UPM International Summer School will:

Get acquainted with the latest technological trends, visit laboratories and benefit from the insight of industry experts

Gain access to advanced knowledge on architecture and engineering, and visit notable buildings and sites

Experience learning in a multicultural classroom with peers from different parts of the world

Get a feeling for Spanish language, an appreciation of Spanish culture and enjoy the Spanish way of life

The UPM International Summer Schools offer face to face courses on one of the UPM's campuses. They also offers an interesting cultural and social programme, including day trips to world heritage sites like Toledo, Segovia, and guided walks around Madrid and visits to the Prado and Reina Sofía Museums.

Registration deadline:

Until 30 April 2023.

Topic:

Fundamentals of fashion design communication

This course offers students a thorough and hands-on immersion in the different areas of fashion design, from communication to the theoretical and practical knowledge required to face a creative process in fashion and the development of prototypes. Students will work on projects that will help them to express their creativity and gain the information and skills they need to engage in the fashion industry's creative process. Students will learn about cultural norms and standards unique to the field of fashion communication and the methodology of fashion research and the techniques for prototype development.

School specific information:

Contact Hours 20 Dates 3-7 July Director Guillermo García-Badell Price 300€

Reduced participation fees, travel and subsistence support

With regard to the registration fee, UPM offers students from EELISA universities (BME, ENPC, ITU, PSL, SNS, SSSA, FAU, UPB, UPM) a discount which consists in the payment of 50% of the

registration fee. A discount and support for travel and accomodation cannot be granted twice to the same EELISA applicant for UPM international summer schools 2023. UPM decides on the final assignment of spots and fees. Travel and accommodation might be supported by your EELISA institution, please contact your local EELISA project coordinator.

Community	Biobased alternative materials in textile IndustrialDesign4Human - ID4H		
Coordinator	info.summer.school@upm.es	ECTS	
Kind of activity	Summer / Winter / Seasonal schools		
Principal SDG	SDG 4 - Quality Education	Others SDG	SDG12 - Responsible Consumption & Production
Starting date	2023-07-03	Ending date	2023-07-07
Target group	master bachelor	Teaching mode	In person
Link	https://community.eelisa.eu/activities/international-summer-school-fundamentals-of-fasion-design-communication-at-upm/		