# I EELISA INTERNATIONAL CONFERENCE BECOMING THE ENGINE THAT LEADS TO A NEW FUTURE

# PROGRAMME



### **INTRO**

The 1st EELISA International Conference aims to celebrate achievements, share outcomes, and assess the impact of the Alliance's first three years. This remarkable event also serves as an opportunity to analyse and reflect on key aspects related to the European Universities initiative and the transformative vision of European Higher Education Area. The conference will feature inspirational keynote speakers, engaging round tables, hands-on workshops, open dialogues, special presentations, and exhibitions—all designed to create a unique programme of activities aimed at fostering cooperation and developing a shared understanding of the context and perspectives of EELISA 2.0.

All the sessions will take place in Eastern European Summer Time (CEST+1 / UTC+3)

### PROGRAMME AT A GLANCE

Day 1 4th October, 2023 P.2

Welcome, registration, exhibition, and film screening

Day 2 5th October, 2023 P.3

Plenary 1: "The EELISA's pioneering journey and the context of the European
Universities Initiative"
Parallel sessions
EELISA Closed Governing Board Meeting

Day 3 6th October, 2023 P.9

Plenary 2: "The role of European Universities Alliances in the orchestration of the systemic changes needed to tackle climate change"

Parallel sessions

Closing ceremony



15:30- 18:00

Opening of the registration desk

**Q** Aula Conference Centre

16:30 - 17:00

Welcome words by Mihnea Costoiu, Rector of UNSTPB for the opening of "My European University Exhibition"

Aula Conference Centre

This exhibition showcases the faces and names of the individuals behind the EELISA institutions, who have contributed to making EELISA a reality.

17:00 - 19:00

Screening of the documentary film "The Great Green Wall" (dir. Jared P. Scott, 2019, 1h 30 min) and roleplay session

Aula Conference Centre

EELISA Special mention 2023 winner. This is a recognition that was awarded by a jury of experts during the celebration of the Sustainability and Film Festival of Madrid (Another Way Film Festival) with the aim to expose STEM students to different narratives and explore storytelling as a tool for awareness. This is part of the EELISA Loves Arts campaing, an initiative linked to the European Comission's strategy to build connections between Arts, Humanities and STEM.

#### **PARALLEL SESSIONS TOPIC GUIDE**

European Engineer

The University of the Future

Gender Equality, Diversity and Inclusion

Innovative Pedagogies

Impact for Society

Entrepreneurship and Innovation

Convergence of Science and Arts

Building Sustainable Cooperation

08:00- 09:30

**Welcome and Registration Desk** 

Aula Conference Centre

09:30-10:00

#### **Opening Ceremony**

Aula Conference Centre

- Mihnea Costoiu, UNSTPB Rector
- Ligia Deca, Romanian Minister of Education
- Bogdan Gruia Ivan, Romanian Minister of Research, Innovation and Digitalisation

10:00- 11:00

Plenary 1: The EELISA's pioneering journey and the context of the European Universities Initiative

Aula Conference Centre

This opening plenary session of the conference is dedicated to reflecting on EELISA's pioneering journey and on the context of the European Universities Initiative, seeking to create a space for sharing and debating on how to make this ambitious endeavour a reality for each of the individuals involved.

Chair of the session: Mihnea Costoiu, UNSTPB Rector

- Vanessa Debiais-Sainton, Head of Higher Education Unit, DG EAC, European Commission Online Connection
- Ligia Deca, Minister of Education, Romania
- Bogdan Gruia Ivan, Minister of Research, Innovation and Digitalisation, Romania
- Markus González Beilfuss Undersecretary, Spanish Ministry of Universities, Spanish
   Presidency of the EU
- Madlen Şerban, Secretary General, National Commission of Romania for UNESCO
- Radu Văcăreanu, Rector, Technical University of Civil Engineering Bucharest, Vice-Chair of the Governing Board EU - CONEXUS
- Marie-Christine Bert, Director of International Relations, École des Ponts Paris-Tech
- Thimothée Toury, Secretary General, European University of Technology (EUt+)
- Wendy M. Purcell, Harvard University Research Scholar exploring 21st century leadership & governance, sustainability & the SDGs and global higher education

  Online Connection

11:00- 11:30

**Coffee Break** 

Aula Conference Centre

11:30- 13:00

**EELISA GOVERNING BOARD MEETING** 

**♀** Faculty of Transport - Council Room

PARTICIPATION EXCLUSIVELY UPON INVITATION



11:30-13:00

#### **PARALLEL SESSIONS**

Roundtable

Orchestrating Change through Boundary Spanning in Sustainability-Oriented Partnerships (I)

Chair of the session: Supriya Singh (FAU)

Central Library - Room 3.1

The session will focus on three issues – (a) Understanding drivers of transformational partnerships at three levels – individual, organisational and societal (b) Potential of boundary spanning in such partnerships for learning, innovation and knowledge production (c) Challenges of sustaining and institutionalising partnerships especially the challenge of supporting the vision with operational excellence.

- Leda Stott, European Community of Practice in Partnership (ECoPP)
- Fiorenzo Polito, Doctoral Researcher (SNS)
- Valerii Saenko, Doctoral Researcher, (SNS)
- Supriya Singh, Doctoral Researcher, (FAU)

Norkshop

Sustainability upskilling in engineering education - barriers and opportunities from teaching perspectives

Chair of the session: Mária Szalmáné Csete (BME)

Central Library - Room 3.2

This world café session will deep dive in the research questions and answers from the EELISA SusCo study: level of change of universities in teaching sustainability; current state, barriers, and opportunities; sustainability upskilling teaching practices; collection of good practices to improve sustainability skills of engineering students; integration of interdisciplinarity into engineering curricula; barriers and opportunities.

**Workshop facilitator Orsolya Barna,** Department of Environmental Economics and Sustainability, Faculty of Economic and Social Sciences, Budapest University of Technology and Economics

Abstracts Presentation **EELISA Communities - Showcasing how education, research, innovation and society connect** 

Chair of the session: Zoltán Dubéczi (Secretary General, Hungarian Rectors' Conference)

Aula Conference Centre - Room 2.1

- An inclusive project: join our mission to revolutionize home energy efficiency by Patricia Aguilera Benito (UPM)
- EELISA ESCE Community. Considering the societal impact of innovation by Sergio D'Antonio Maceriras (UPM)
- Inquiring into the footprint of EELISA activities by Javier García Martín (UPM)
- Where sustainability and happiness coexist: a science mapping analysis by Jaime González-Masip (UPM)



11:30- 13:00

#### **PARALLEL SESSIONS**

Abrstracts Presentation Innovative pedagogies mushrooming at alliance level: key examples from EELISA

Chair of the session: Alfredo Soeiro (University of Porto)

Central Library - Room 4.1

- Elevators pitch contest as a methodology of creativity and gamification in the learning of engineers through SDG challenges by Juan José Morillas Guerrero & Ana M. Martín Castillejos (UPM)
- Harnessing engagement and effectiveness in EELISA activities through game-based learning: examination of a workshop series by the circular EELISA community by Aysegul Akcay Kavakoglu (ITÜ)
- Research-based learning: learning, current status across EELISA, challenges, opportunities, and the path towards life-long learning by Mehmet Akif Yazici (ITÜ)
- The Learning Station Model: A New Approach for Transforming the Learning Landscape in Higher Education by Merve Çalmli Akgün (ITÜ)

Projects Presentation When Art meets Science (I): "From the streets to the lab"

Chair of the session: Yolanda Pividal (EELISA Central Office)

• Conference Centre - Room 2.2

In this session we invite participants to dive into actions that promote sustainable mobility involving art and children, never seen before landscapes of Bucarest with Al algorithm, and dancers who create mathematic formulas through movement.

Guest speakers: BME Art Residency programme's curator Anna Gács and former resident artists Olga Kocsi, Ádam Boruzs

- STEPART with Enrique Teja (UPM)
- Bucharest through the eyes of AI with Emirhan Zor (ITÜ)
- · Math and danc with Mariló Sánchez (UPM) and Miguel Ureña (UPM)

EELISA GOVERNING BOARD MEETING

**♀** Faculty of Transport - Council Room

PARTICIPATION EXCLUSIVELY UPON INVITATION

14:00- 15:30

14:00-15:30

#### **PARALLEL SESSIONS**

Abrstracts Presentation Innovative pedagogies for Engineering Education

Chair of the session: Justo García-Navarro (UPM)

Central Library - Room 4.1

- Challenge-based learning in the Health in the City EELISA Community: key success factors and challenges by Teresa Sánchez Chaparro (UPM)
- Involving students in EELISA community activities by offering an MSc optional course by Tamas Lovas (BME)
- Think tank on Sustainable Buildings. European Space Agency Sustainable BCC Community by Sergio Vega Sánchez (UPM)
- Teacher mindset: from a teaching to a learning perspective by Adeline Favier & Mattias Mano (PSL)



14:00-15:30

#### **PARALLEL SESSIONS**

Roundtable

Orchestrating Change through Boundary Spanning in Sustainability-Oriented Partnerships (II)

Chair of the session: Supriya Singh (FAU)

• Central Library - Room 3.1

The session will focus on three issues – (a) Understanding drivers of transformational partnerships at three levels – individual, organisational and societal (b) Potential of boundary spanning in such partnerships for learning, innovation and knowledge production (c) Challenges of sustaining and institutionalising partnerships especially the challenge of supporting the vision with operational excellence.

- Leda Stott, European Community of Practice in Partnership (ECoPP)
- Fiorenzo Polito, Doctoral Researcher (SNS)
- · Valerii Saenko, Doctoral Researcher, (SNS)
- Supriya Singh, Doctoral Researcher, (FAU)

Presentation + Discussion Building diverse and inclusive research and innovation communities

Chair of the session: Isabel Salgueiro (UPM)

**Q** Central Library - Room 3.2

The first part will be dedicated to the presentation of the selected best practices. The second part will consist on a debate on how to build diverse and inclusive research and innovation communities and will be moderated by Maria Dijmărescu, UNSTPB.

- Ionescu Andrei', Student President of the Students Union (UNSTPB)
- Mariló López González, Teaching and research staff (UPM)
- Hatice Kose, Full-time Professor, Chair of the department (ITÜ)
- Firmin LANDRÉ, Project manager (ENPC)
- Paola Tricomi, (Ex) PhD student (SNS)
- Kristina Giesel and Sandra Zech, Working group on Gender and Diversity of professors, permanent scientific & administrative staff and doctoral researchers (FAU)
- Ildikó Furka, PhD, Senior lecturer (BME)
- · Alessandro Gazzetti, undergraduate (SSSA)

Abstract Presentation Pro

Promoting an entrepreneurial and innovation-driven culture and ecosystem

Chair of the session: Petra Moog (ZHAW)

**Q** Central Library - Room 4.2

- An innovative project "Multi-purpose nuclear town" by Mahmut Cüneyt Kahraman (ITÜ)
- SUSBCC PEHK: Proptech Entrepreneurship Hackathon by M. Carolina Hernández Martínez (UPM)
- Sustainable Business models assessment on impacts and stakeholders motivation by Jaime González-Masip (UPM)
- Social entrepreneurship in chemical engineering degree. An environmental approach to the EELISA Communities by Isabel Carrillo (UPM)



14:00-15:30

#### **PARALLEL SESSIONS**

**Projects Presentation** 

When Art meets Science (II): "From nano to macro"

Chair of the session: Yolanda Pividal (EELISA Central Office)

Aula Conference Centre - Room 2.2

From the cellular-size structures that make up an artistically exquisite poster, to the interaction of human feelings and experimental sounds, to troupe "Artists STEAM Mediators" taking on the streets of Madrid's most diverse neighborhood.

Guest speaker: Mutant Institute of Environmental Narratives Director Amanda Masha

- EELISA4G with Gao Nuofan (SSSA)
- No more, for video and sound with Manolis Ekmektsoglou (ITÜ)
- Es nuestro with Óscar Santos-Sopena (UPM)

15:30-16:00

**Coffee Break** 

• Central Library, 4th Floor

16:00-17:30

#### PARALLEL SESSIONS

Presentation + Discussion Al in University and Research: challenges, opportunities and Ethos+Tekhne

Chair of the session: María Navas Loro (UPM)

• Central Library - Room 4.1

The session will comprise two parts. The first part will consist on a general discussion on how AI can shape learning and teaching in the University, in order to build a network of people (both students and professors) interested in the topic. The second part will be dedicated to present the "Ethos+Tekhne" EELISA school for young AI researchers and will welcome feedback and collaborations for its second edition.

- María Navas Loro, (UPM)
- Stefano Vrizzi, (PSL)
- Stefano Tramacere, (SSSA)
- Guido Cassinadri, (SSSA)
- Konstantinos Parginos, (PSL)
- Giovanna Failla, Università Cattolica del Sacro Cuore
- Othmane Hayoun Mya, Barcelona Supercomputing Center
- Dumitru Denis, (UNSTPB)



16:00-17:30

#### **PARALLEL SESSIONS**

**Abrstracts Presentation** 

**Building Sustainable Cooperation in EELISA** 

**Chair of the session: Claudia Lehmann**, HHL Leipzig Graduate School of Management

Central Library - Room 3.1

- BEE'NOME: A Stakeholder Engagement Tool for Improving the Quality of Learning and Teaching in the Higher Education Ecosystem by Hakan Yorulmuş (ITÜ)
- Facilities 4 EELISA Collaborations by Antoine Mercier (PSL)
- Partnerships orchestrating sustainability transformations (POST): results and opportunities for future collaborations by Supriya Singh (FAU)
- The ideation process of the hackathon as an educational practices of integrating university, companies and community learning by Oscar O. Santos-Sopena (UPM)

Workshop

**Exploring the Theoretical Frame and Cases of Disciplinary Broadening in Higher Education** 

Chair of the session: Roland Thormey (EPFL + SEFI)

• Central Library - Room 3.2

This session explores innovative models for multiskilling and hybridisation of non-engineering and engineering disciplines and their impact on society. It draws from experience in the EELISA European University Alliance and aligns with the Conference topics of engineering education and innovative pedagogies.

- Rossella Raso, SSSA
- Björn Kjellgren, KTH Royal Institute of Technology, UNITE! Alliance
- · Ayse Kilic, TU/e Eindhoven School of Education
- Scott Strachan, Strathclyde University, VIP4SD Programme

**Abstracts Presentation** 

**Engineering Education: sharing practices** 

Chair of the session: Pascal Bigey (PSL)

Aula Conference Centre - Room 2.1

- Developing an interactive simulation environment for teaching applied of manufacturing engineering subjects Piera Maresca (UPM)
- Report on the 1st EELISA Scientific student Competition by Balázs Kövesdi (BME)
- Research-based learning for obtaining a new sustainable material from local organic wate within a circular economy framework by Cristina Moreno-Díaz (UPM)



16:00-17:30

#### **PARALLEL SESSIONS**

Abstracts Presentation The European Universities Initiative as a pioneer of the university of the future

**Chair of the session: Julia Funaki**, American Association of Collegiate Registars and Admission Officers (AACRAO)

Aula Conference Centre - Room 2.2

- Assessmnet of tangible and intangible activity impacts across and beyond the EELISA ecosystem: implications of the "Circular in Play" project by Imge Akcakaya Waite (ITÜ)
- Higher Education 4.0 and its reflections on European Universities: the case of EELISA Nilüfer Ülker (ITÜ)
- Implementing EELISA Sustainable BCC Comunity Activities Approach by M. Carolina Hernández Martínez (UPM)
- SSERIES community: Interdisciplinary Science in EELISA by María Jesús Vazquez (UPM)

Roundtable

Building an Innovation and Entrepreneurial Ecosystem: Effective Strategies for Implementing Best Practices at Universities

Chair of the session: Caudio Feijóo (UPM)

**Q** Central Library - Room 4.2

The session will provide participants with insights into effective strategies and best practices for creating and implementing a supportive environment for innovation and entrepreneurship at the university level. It will consist on a debate among 5 experts from leading European universities in creating innovation and entrepreneurship ecosystems.

- Frederik Kaul, CSO from Acalta GmbH, (FAU)
- Davide Paparo & Ian Häusler, CEO and Co-founder & CTO and Co-founder, (ZHAW)
- Yaren Özdemir & Kaan Yapıcı, Co-Founder of Beespenser (ITÜ)
- Francesco Lunardelli, PhD Student (SNS)



08:00-09:30

**Opening of the Registration Desk** 

09:30-11:00

Plenary 2: "The role of European Universities Alliances in the orchestration of the systemic changes needed to tackle climate change"

Aula Conference Centre

Chair of the session: Christian Lerminiaux, Director Chimie ParisTech - PSL

Taking into account the context set by the EU Mission 100 Climate-Neutral and Smart Cities and by bringing together city and university representatives, this plenary session opens a space for a dialogue on experiences, opportunities and perspectives on the role of "city-university" pairs in contributing to solving complex challenges. It will also explore key aspects for solid strategic partnerships and showcase how EELISA is a platform for education and innovation that facilitates dialogue and orchestration at European level.

- Tudor Prisecaru, State Secretary of the Ministry of Research, Innovation and Digitalization,
   President of the UNSTPB Senate
- Răzvan Nicolescu, Member of European Institute of Innovation and Technology (EIT)
   Governing Board
- Halil Hasar, Director of Climate Change at the Ministry of Environment, Urbanization and Climate Change of Turkey
- Florin Drăgan, Rector of University Politehnica Timișoara, E³UDRES² alliance member
- Ahmet Duran Şahin, Vice Rector, Meteorological Engineering Department of ITÜ
- Sorin Costreie, UNICA President, member of CIVIS alliance, Vice Rector of University of Bucharest
- György Alföldi, Dean of the Faculty of Architecture at BME
- Julio Lumbreras, Leading the implementation of the Spain mission and ex-Member of the EU Mission Board on Climate Neutral and Smart Cities
- · Ciprian Ciucu, Mayor of 6th District Hall of Bucharest
- · Ionuţ Pucheanu, Mayor of Galaţi
- François Croquette, Director of Ecological Transition and Climate, City of Paris
- Etienne Riot, "Ville-Métabolisme" Chair at PSL Director of applied Research and Innovation

11:00- 11:30 Coffee Break Aula Conference Centre



11:30- 13:00

#### **PARALLEL SESSIONS**

Roundtable

SEFI and the European Universities: Building Sustainable Engineering Education Futures Together

Chair of the session: Balázs Vince Nagy, SEFI President

**Q** Central Library - Room 3.1

This session brings together representatives from SEFI and European University alliances, from universities, students and industry, to discuss how the Alliances can benefit from the new educational models and approaches being developed, researched and disseminated through the SEFI community.

- · Alex Tarchini, SEFI Board & MathWorks
- · Ljiljana Kheirawi, BEST
- Raffaella Manzini, SEFI Board & Università Cattaneo, Italy
- · Sophie Griveau, Dean of Studies EELISA (PSL)
- Timothée Toury, Secretary General Eut+ European University Alliance

Abrstracts Presentation Engineering

**Engineering Education: developing future proof skills** 

Chair of the session: José Carlos Quadrado, ENAEE President

Q Aula Conference Centre - Room 2.1

- The design of Engineer Profile in EELISA Alliance by Morris Villaroel (UPM) and Sophie Griveau (PSL)
- Development of an evaluation tool of the acquisition of social, citizenship and sustainability competences in circle and EELISA Circular Experiences. Case Study on UPM Athens 127 Course by Beatriz Martin Bautista Cerro (UPM)
- EELISA Mobility Scheme for Chimie Paris-Tech PLS Engineers by Antoine Mercier (PSL)
- IIntegration of satellite image time series and field woerk for the metropolitan forest (Madrid) by Silvia Merino De Miguel (UPM)

Challenge

Building a Circular future - The university of the future

Chair of the session: Diana Cocârță (UNSTPB)

Central Library - Room 4.1

This session aims to engage students in co-creating contributions based on the topic of The University of the Future. Among its goals, are to raise awareness and knowledge about the importance of quality education and acquisition of skills in the context of a circular economy; share experiences and best practifices; encourage the creation of synergies between different actors; build a circular economy model; and promote the integration of such concepts and good practices in challenges linked to the topic.

- Alberto Garrido Colmenero, Vice Rector of Quality & EELISA Coordinator (UPM)
- Meryem Birgül Çolakoğlu, Profesor (ITÜ)



11:30-13:00

#### **PARALLEL SESSIONS**

Roundtable

Crossed perspectives on the challenges of intra-alliance recognition: extracurricular activities, academic mobility and joint degrees

Chair of the session: Thibaut Skrzypek (ENPC)

**Q** Central Library - Room 4.2

This session will present contributions on the topic Building Sustainable Cooperation of the EELISA Conference. The session aims to compare EELISA and other alliance(s) recognition tools for extra-curricular activities, mobilities and attached degrees and their limitations, confront these offers with student demand and draw up common perspectives for improvement.

- Myriam Maumy (UTT)
- Valentin Navrapescu (UNSTPB)
- Florin Baltaretu or Anca Margineanu (UTCB)
- Edoardo Bonura (SSSA)

Workshop

Student participation at all levels of the alliance

Chair of the session: Catalin Burtea (UNSTPB)

Aula Conference Centre - Room 2.2

In this interactive panel discussion, the aim is to present and reflect on the work of the EELISA Student Council in the past two years. Amplify the voices of EELISA Students who participated in EELISA activites and reflect on the impact EELISA had on their life and academic journey.

- Johanna Hojer (FAU)
- Lara Ebbinghaus (FAU)
- Semanur Arpaci (ITÜ) EELISA Student Council Member
- · Vagisha Aggarwal (PSL) EELISA Student Council Member
- Antonia Ernstberger (FAU) EELISA Student Council Member
- Sonia Maer (UNSTPB)

Presentation + Discussion

The role of mathematics in EELISA

Chair of the session: Andrea Tellini (UPM)

Central Library - Room 3.2

This session is dedicated to the European Engineer topic, gathering mathematicians and stakeholders involved in mathematics-related activities within EELISA institutions. The session aims to encourage collaboration and ideasharing on mathematics projects, foster relationships within the mathematics community, and promote the development of new initiatives within the EELISA European University.

- María Jesús Vázquez Gallo (UPM)
- Juan Carlos Sanz Nuño (UPM)
- Mariló López & Miguel Ureña (UPM)
- Andrea Tellini (UPM)



13:00-13:30

Closing ceremony and EELISA Diversity Award by EELISA InnoCORE

Aula Conference Centre

Opening of the session Mihnea Costoiu UNSTPB Rector, Conference Chairman

Closing ceremony keynote speech and kick-off of EELISA 2.0 Guillermo Cisneros UPM Rector

**EELISA Diversity Award** 

Handed by Tudor Prisecaru, President of the UNSTPB Academic Senate

Closing speech of the 1st EELISA International Conference

Mihnea Costoiu UNSTPB Rector, Conference Chairman

13:30- 14:30

Lunch

Aula Conference Centre

14:30-16:00

**SEFI Satellite Meeting** 

Engineering competences development through the prism of Life-Long Learning

Central Library - Room 3.2

### **Special activities**

**Bucharest Urban Acupuncture: International Students EELISA Workshop** Central Library - Room 4.2 Oct 5th | 11:30 - 13:00 **OPTIONAL** Visit to the Palace of the Parliament **Bucharest Palace of Parliament** Oct 5th | 17:30 - 19:00 Only for registered and confirmed participants **Bucharest Palace of Parliament** Oct 5th | 19:00 Circular infographics: Towards more sustainable communities Aula Magna Hall Oct 5th and 6th **EELISA Communities Posters Central Library Hall** Oct 5th and 6th





## MORE INFO

Visit our website to learn more about EELISA and our 1st International Conference

Stay posted through our social media, we are on <u>Twitter</u>, <u>LinkedIn</u> and <u>Instagram</u>

You can also subscribe to our Newsletter

www.eelisa.eu



EELISA has received funding from the European Union's Erasmus+ programmeme under GA No. 101004081 EELISA-InnoCORE has received funding from the European Union's Horizon 2020 R & I programmeme under GA No. 101035811























