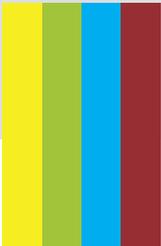


2022

Annual Report



Message from the ESEIA President



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Harald Kainz
ESEIA President

As President of ESEIA and Rector of TU Graz, I have actively contributed to the RE4Industry Knowledge Transfer Seminar held in Graz. In cooperation with the Federation of Austrian Industries Styria and Carinthia, TU Graz and ESEIA have explored solution packages for **100% renewables in energy-intensive industries**. I am proud this hybrid event reached more than 100 participants from Austria and abroad. 📌

As the need to mitigate climate change and the cost of fossil fuels grows increasingly, renewable energies become an essential driver of the shift towards a low-carbon future. **Two RE4Industry Knowledge Transfer Seminars** in Graz, Austria and Varkaus, Finland provided a platform to debate how to accelerate the transition towards 100% renewable energy solutions in energy-intensive industries (EIs). Funded by Horizon Europe, the two seminars provided a comprehensive overview of European success cases, best practices, policy recommendations, and technological roadmaps for promoting renewable energy adoption.

To debate smart solutions with the general public in an unbiased, scientifically informed way, I have initiated a new **hybrid lecture series** titled Sustainable Energy Innovation Systems for Climate Neutrality. I am proud to have hosted **two lectures** in the past fall on the topics of **PV systems** and **Repower Europe**. Thank you to my fellow ESEIA Governing Council (GC) members Brian Norton, IERC, Ireland and Teresa Ponce de Leão, LNEG, Portugal who came to TU Graz to give much-appreciated guest lectures.

My special thanks and congrats also go to the Chair Fabio Montagnino of the **5th ESEIA International Conference** titled Towards Climate Neutral Energy Communities held at The Cyprus Institute in Nicosia, Cyprus. We were pleased to welcome more than 70 participants and see about 50 organisations, of which 11 are ESEIA members, represented at the event.

To complement our outreach events, ESEIA members have also set up **two summer schools**, one of which with our sister organisation EPNOE. Thank you to EPNOE President Pedro Fardim, KU Leuven, for his cooperation. Thank you to the ESEIA GC member Markku Huhtinen for setting up a wonderful summer school and an excellent industry seminar.

Finally, let me thank the **ESEIA Working Group Coordinators and members** who have managed to submit **eight EC HEU funding proposals** for pioneering sustainable energy solutions. We have deepened our cooperation and our portfolio in ESEIA this past year which is a great achievement.

It needs a **great Team** to keep it all together. Thank you to the ESEIA Director and her Team for incessantly infusing team spirit in all of us.

Graz, December 2022

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Introduction by the ESEIA Director

The world quite visibly is in a state of transformation. While some simply get scared, others revolt against poverty, lack of food and fresh water, limited access to education and health services, social inequality, and the unsustainable exploitation of our planet. Again, other people try to actually change things for the better.

Thank you to all Working Group members for a wonderful year of cooperation. Special thanks to the ESEIA Team members (in alphabetical order), namely **Hana Lee**, ESEIA Project Manager, **Christina Tansek**, ESEIA Office Manager, **Richard Wheeler**, Chief Acquisition Advisor, and **Viktoriya Zoriy**, ESEIA Communications Manager.



Copyright © 2022 BH

Brigitte Hasewend
ESEIA Director

When I look at ESEIA cooperation in this past year, I think we have taken fruitful steps towards climate neutrality by exploring novel solutions for 100% renewables for the energy-intensive industry in our RE4Industry Knowledge Transfer Seminars, by building water-energy-food nexus communities and distributed energy storage systems, as well as by exploring carbon-negative biofuel production processes, and redesigning urban space for more quality of life. 📌

About ESEIA

At ESEIA, we strive to create a more efficient, affordable and sustainable energy system in Europe and we believe that collaboration is key to making this happen.

The ESEIA Working Groups are the driving force of our organisation. The 5 WGs, made up of around 300 experts across our membership, bring their knowledge and experience to help deliver the Green Deal and its Fit for 55 targets.

In 2022, the ESEIA WGs submitted eight project proposals for Horizon Europe and other EU-funded programmes, making significant contributions to the advancement of sustainable energy, and set up seven cooperative practice-oriented training events across Europe, benefiting 250+ students, young scientists and professionals.

Furthermore, through our various WGs and initiatives, we were able to bring together experts from a wide range of disciplines and sectors, including government, academia, industry, and civil society, to tackle the most pressing energy challenges of our time.

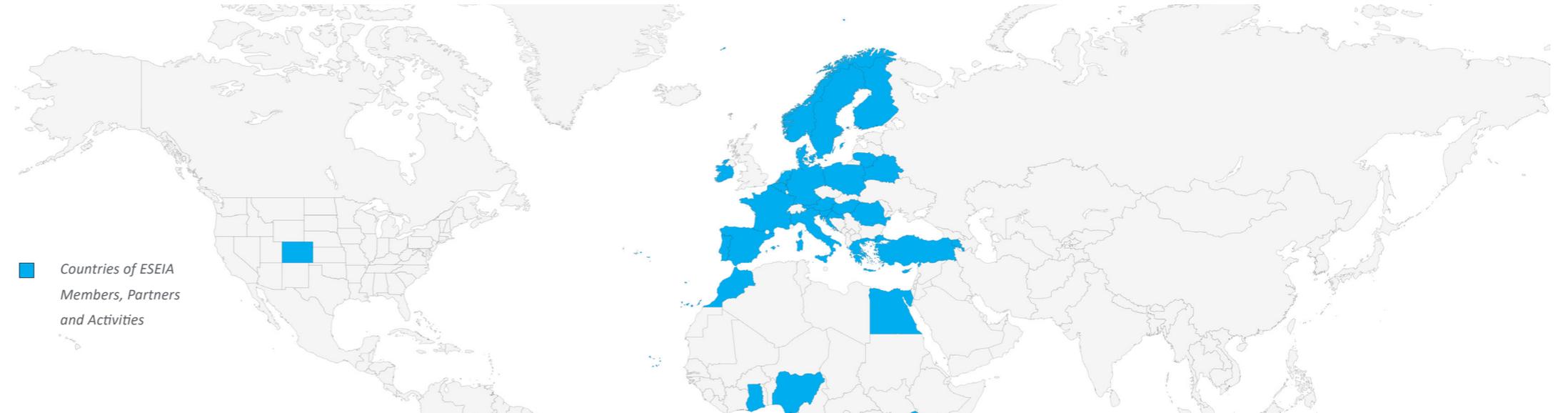
VISION

The vision of ESEIA is to be the first European address for sustainable energy systems innovation.

MISSION

By 2030 we will have enabled Europe to reach its energy targets by contributing research, education and training on innovative sustainable energy systems.

Highlights of the Year



Strengthening cooperation with members

In 2022, ESEIA welcomed the **Technical University of Denmark (DTU)**, a research-based polytechnic university renowned for its focus on sustainability, as a new member. With this new partnership and the high engagement of our members in project proposals, we look forward to greater success in driving innovation forward.

Strengthening cooperation with industry

As part of the Horizon 2020-funded project RE4Industry, we initiated the **RE4Industry Knowledge Transfer Seminar Series**. The first two seminars organised in Austria and Finland brought together experts from industry and academia to share knowledge and best practices on the integration of renewable energy in Energy-Intensive Industries (EIIs).

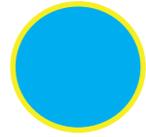
Strengthening cooperation with general public

To increase engagement with the general public, we launched the **ESEIA Lecture Series 'Sustainable Energy Innovation Systems for Climate Neutrality'**, a series of in-person and online lectures hosted by TU Graz in Austria. Each lecture is composed by a panel of three speakers, who together promote a debate on what must be done to achieve climate neutrality by 2050.

Strengthening cooperation worldwide

To build bridges across borders, we took part in the Trans-Atlantic Research and Development Interchange on Sustainability (**TARDIS**) conference in Hungary. It is a three-day international scientific event designed to discuss multidisciplinary issues of sustainability, held every two years since 2004, alternating between Europe and the United States.

ESEIA Working Groups



WG 1 Bioresources, Biobased Economy and Bioresource Utilization

The ESEIA WG 1, coordinated by **Michael Bongards**, TH Cologne, DE, integrates three Focus Groups: Biorefineries and Biobased Industrial Products; Bioeconomy and Circular Economy; and Bioenergy use of Biobased Fuels and Biowastes. In 2022, the ESEIA WG 1 submitted three proposals under the Horizon Europe Programme:



SYBIOFUEL proposed to establish an industrial symbiosis between the two biofuel industries (bioethanol and biodiesel) to generate negative emissions from biofuel production. By utilising the circular economy concept, this symbiosis would allow for the conversion of one industry's waste into raw materials of the other, ultimately achieving zero waste production processes.

Coordinator: Ana Machado, NOVA, PT.



We live in a world of crises. Crises contain risks but also many chances. I feel excited about the upcoming chances.

- Michael Bongards



OpenBioH2 proposed to develop an innovative open-hardware H₂ production method that is both highly efficient and carbon negative.

This method would integrate Dark Fermentation, Microbial Electrolysis, and Biophotolysis processes, and would be aimed at minimising the drawbacks of each one of them, whilst maximising their synergies. To make H₂ a sustainable solution, it is critical to develop a truly green, sustainable H₂ production that does not generate huge amounts of CO₂ and other GHGs in the process.

Coordinator: H. Himanshu, TH Cologne, DE.



CANOVA proposed to develop novel processes and technologies to enable CO₂ and N management/valorisation, whilst reducing greenhouse gas

(GHG) emissions and nitrogen losses (mainly due to agricultural practices). Furthermore, the proposal aimed at minimising the impact from the energy, industrial, agricultural, and livestock sectors on soil and water.

Coordinator: Ana Machado, NOVA, PT.



- ESEIA International Summer School
- ESEIA International Student Camp
- ESEIA Lecture Series
- ESEIA International Conference



WG 2 Energy Transition in Urban Regions

The ESEIA WG 2, coordinated by **Goran Krajačić**, Uni Zagreb, HR, is concerned with energy transition in cities and their hinterland. The WG integrates four Focus Groups: Smart Mobility; Smart Grids; Smart Energy Efficiency Buildings; and Advanced Computing for Energy Transition. In 2022, the ESEIA WG 2 submitted five project proposals:



RAMP proposed to demonstrate how open hardware solutions within the Water-Energy-Food (WEF) Nexus could improve African food chains

by focusing on innovation in the marketplace. The project addressed the issues of energy deficiencies in local agriculture and inadequate supply chain infrastructure, specifically addressing post-harvest losses.

Coordinator: Nicolas Jarraud, CYI, CY.



RE4Industry facilitates for the EII sector in Europe a smooth and more secure transition to the adoption of renewable energies in their production processes and facilities. Under the motto 100% Renewable Energies for EIIs, the RE4Industry Knowledge Transfer Seminar Series, which is being carried out by ESEIA and partner organisations, aims to provide a platform to debate how EIIs can succeed in the energy transition.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 952936.



WEFE4MED proposed to improve countries' readiness to address the socio-economic vulnerability and resilience in the Water-Energy-Food-Ecosystems (WEFE) sectors. This will be achieved by aligning and coordinating agricultural, energy, and nature management options and policies across sectors, to alleviate the situation and promote a green economy and the achievement of the Sustainable Development Goals. The 4-year project, coordinated by The Cyprus Institute, was funded in the amount of 2 million euros by PRIMA.

Coordinator: Fadi Comair, CYI, CY.



EMERGE proposed to strengthen the activities of the AU-EU Research & Innovation Partnership on Climate Change and Sustainable Energy (CCSE)

in the long-term, by contributing to R&I strategy and policy-making, through the sharing of knowledge and scientific energy system modelling as an evidence base, and information of the environmental, social, and economic trade-offs.

Coordinator: Marko Mimica, Uni Zagreb, HR.

ESEIA Working Groups



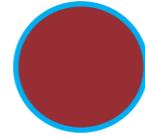
SEAMLESS proposed to develop interoperable distributed storage technology to enable the seamless utilisation and monetisation of storage flexibility within a real life environment. This included Battery Energy Storage Systems (BESS) and Hybrid Energy Storage Systems (HESS) solutions within home, building, community and standalone and power grid connected together with TSO and/or DSO.

Coordinator: Bernard Zenko, JSI, SI.



COM-Ars was proposed within the scope of the New European Bauhaus (NEB) project, which pretends to be the bridge between the worlds of science and culture. The project's goal is fostering inclusion, participation, and the creation of more resilient communities, by leveraging the potential of art and culture in contemporary societies. The project depends on its ability to harness the power of creativity and innovation from architects, designers, and artists to create a more sustainable way of living, promoting and requiring citizen ownership of the Green Deal goals.

Coordinator: Gintaras Stauskis, VGTU, DL.



WG 3 Smart Energy Materials

The ESEIA WG 3, coordinated by **Tina Zužek**, JSI, SI, addresses the synthesis, processing and application of advanced energy materials to be used for improving the energy efficiency of renewable energy production, harvesting, and storage systems.

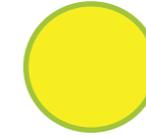
In 2022, the ESEIA WG 3 was mostly involved in Education and Training activities, and in addition to contributing to the organisation of the ESEIA Conference 2022, led by WG 5, it organised, in collaboration with the European Polysaccharide Network of Excellence (EPNOE), an International Summer School (SURE2022) in Barcelona, Spain.

The Chair of SURE2022 was Anna Roig, a member of EPNOE and leader of the Nanoparticles and Nanocomposites (NN) group at the Institute of Materials Science of Barcelona.



Pursuing smart materials and their circular economy is of the topmost importance that brings results in the near future.

- Tina Zužek



WG 4 Governance, Business Models and Legal Frameworks

The ESEIA WG 4, coordinated by **Michiel Heldeweg**, UTwente, NL, focuses on the radical shifts that energy transition brings about in governance, social and business models, and related regulatory and legal regimes.

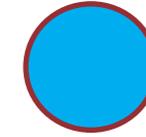
In 2022, the ESEIA WG 4 was involved in the OpenBioH2 proposal together with WG 1. The proposal aimed at developing open hardware and sustainable biological hydrogen production using an innovative three-stage process and enabling a faster transition to a net-zero greenhouse gas emissions EU economy by 2050.

Additionally, it contributed to the organisation of the ESEIA Conference 2022, led by WG 5.



The WG's strength is to link hi-tech opportunities for making/fostering an energy transition to social concerns and considerations – i.e., business, law, and governance.

- Michiel Heldeweg



WG 5 Education and Training

The ESEIA WG 5, coordinated by **Fabio Montagnino**, CYI, CY, conceives and implements cooperative training courses under the ESEIA Education and Training Programme, namely International Summer Schools, Student Camps, and ESEIA Conferences.

In 2022, the ESEIA WG 5 was involved in the submission of the COM-Ars proposal together with WG 2. Moreover, it was also involved in the organisation and coordination of the entire ESEIA Education and Training Programme – total of seven training events. Of note, was the organisation of the ESEIA Conference 2022.

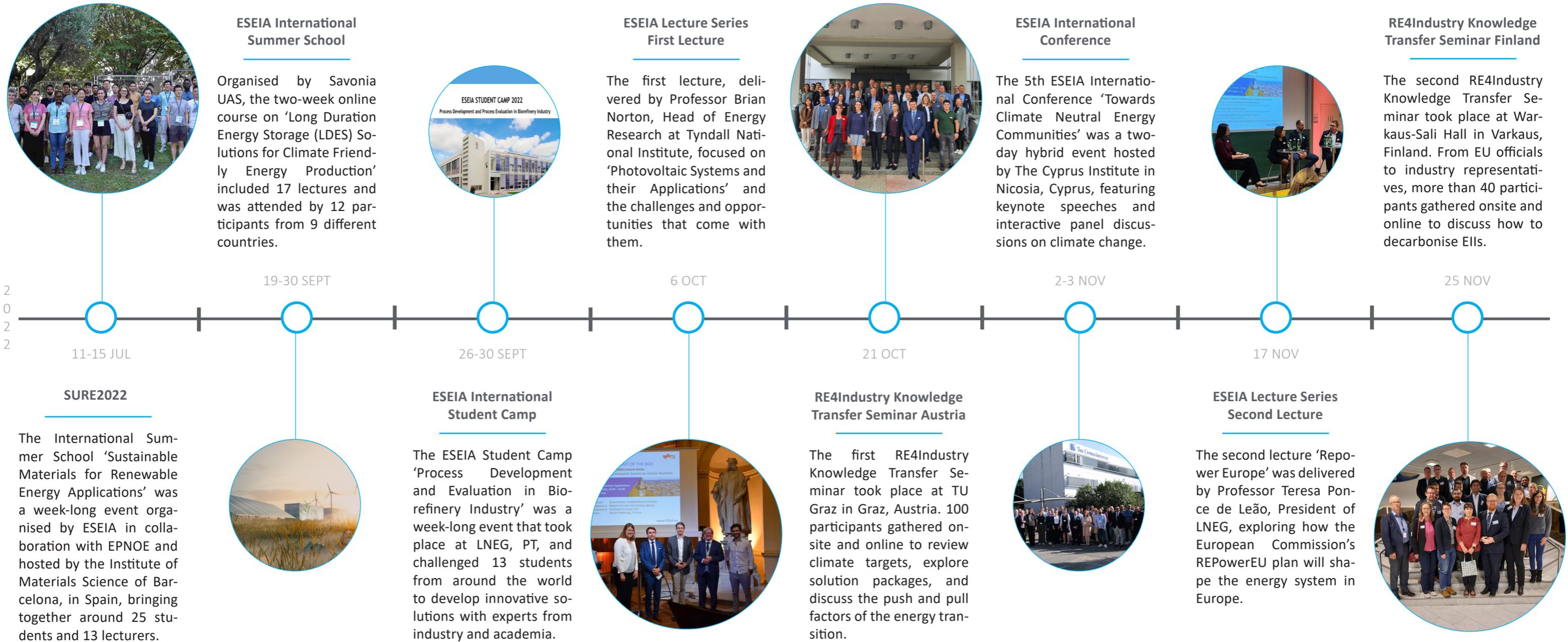
The Chair of the 5th ESEIA International Conference was Fabio Montagnino, Head of Innovation & Entrepreneurship at The Cyprus Institute, and the Co-Chair was Salvatore Carlucci, Head of the Sustainable Built Environment Group at The Cyprus Institute.



I think the ESEIA Conference has been a good arena for us to exchange ideas and set a common agenda about the challenge of making our communities more sustainable.

- Fabio Montagnino

Events Timeline



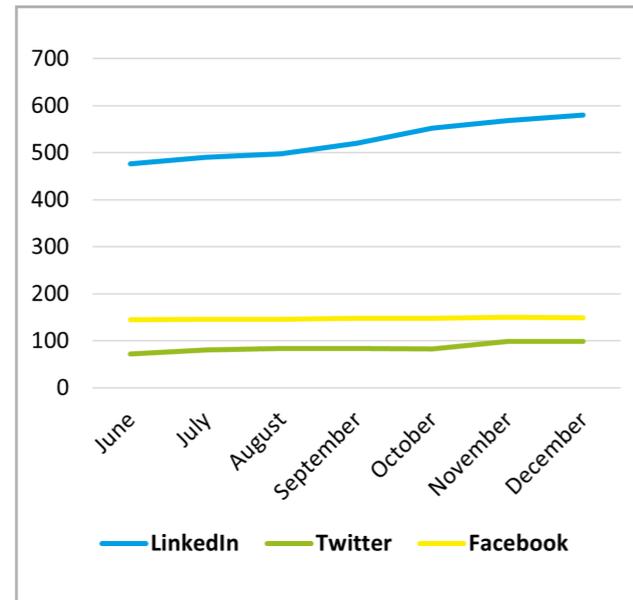
ESEIA on Social Media

In the past year, we have been able to improve ESEIA's online presence by consistently publishing high-quality content across various social media platforms that allowed us to build and engage a growing community of followers: a 32% increase on LinkedIn, a 44% increase on Twitter, and a 3% increase on Facebook.

The continued growth of our audience is a reflection of a strategy based on the monthly production of a content plan tied to ESEIA's numerous projects and activities, such as providing updates on WGs' activities and achievements or announcing new initiatives and sharing their impact. We made sure to diversify our content, including photos, graphics, and written updates, and publish it regularly where our audience is most active (LinkedIn).

Additionally, we actively engaged with ESEIA's members and partners across social media platforms to extend the visibility and reach of our organisation and encourage them to join us in our effort to build a wider community invested in our work.

Follower Growth June-December 2022



+32% on LinkedIn | +44% on Twitter | +3% on Facebook



Gloria Nicastro • 3rd+

PhD Student in Industrial Chemistry and Chemical Engineering

Reshared from INSTITUT DE CIÈNCIA DE MATERIALS DE BARCELONA (ICMAB-CSIC) • 6mo • 🌐



Last week I had the opportunity to participate at the SURE2022 Summer School hosted by INSTITUT DE CIÈNCIA DE MATERIALS DE BARCELONA (ICMAB-CSIC). It was an amazing experience! Thanks EPNOE Association and ESEIA - European Sustainable Energy Innovation Alliance for organising it. 🌱 🌍

#sure2022 #sustainablematerial #renewableenergy



Peter Nagovnak • 2nd

Research Scientist & PhD Candidate Montanuniversität Leoben

Reshared from ESEIA - European Sustainable Energy Innovation Alliance • 3mo • 🌐



Last week I had the privilege of serving as a panelist at the #RE4Industry Knowledge Transfer Seminar at TU Graz! Thank you Brigitte Hasewend/ESEIA - European Sustainable Energy Innovation Alliance and Marlene Kienberger for the invitation and Thomas Timmel for the lively moderation. My fellow panelists and I discussed several important aspects of energy efficiency on a multitude of levels of resource use, including circular bioeconomy, exergy supply and demand, and product properties in manufacturing.

Key Objectives

For an organisation such as ESEIA, having a strong social media presence is essential to connect with its audience and increase its reach. That is why we have set three specific objectives to help us maximise the use of social media as an effective tool for enhancing ESEIA's positioning as a reliable partner in sustainable energy systems. To achieve these objectives, we will keep implementing strategies such as actively engaging with industry experts, sharing relevant and engaging content, and leveraging our existing network to amplify our message.



Viktoriya Zoriy
ESEIA Communications Manager

01

Brand Awareness

Increasing followers on LinkedIn, Twitter, and Facebook by 50% by the end of Q4 2023 will help us to reach new audiences and expand our network.

02

User Engagement

Increasing engagement by 10% by the end of Q4 2023 will help us to foster a sense of community and enhance thought leadership in our field.

03

Website Traffic

Increasing website traffic by 10% through social media by the end of Q4 2023 will help us promote our vision and mission and generate leads.

ESEIA Members and Membership Benefits

ESEIA Members

In 2022, ESEIA had a total of **27 member organisations** in 12 European countries, representing 15 Higher Education Institutions, four research organisations, and eight businesses, of which one is a cluster. The newest member of the Alliance is the **Technical University of Denmark (DTU)**. Thanks to Goran Krajačić from UZagreb FSB, DTU joined ESEIA in July 2022, represented in the ESEIA General Assembly by the Head of DTU Compute Henrik Madsen.



New Membership Enlargement Strategy

ESEIA is committed to enhancing its relevance and growing its membership. To do this, the ESEIA Governing Council decided to implement a new membership recruitment strategy, focusing on sectors included in the new generation of Horizon Europe calls. They appointed ESEIA Promoters to approach potential new members from project and proposal work and training activities. To support their efforts, the ESEIA Team created a detailed recruitment table and a Membership Acquisition Package.



ESEIA Membership Benefits

Joint ESEIA Work Programme

ESEIA provides a yearly Work Programme where members join together in ESEIA Working Groups on a number of strategic projects and initiatives. These projects focus on the member's expertise in renewable energy systems.

Long-Standing European Cross-Sector Partnership

ESEIA is a long-standing membership alliance of European organisations working in the field of renewable energies. Long-term cooperation between members strengthens the ability for future collaboration and opportunities.

Information Sharing Among Members

ESEIA provides members with a platform to share information on joint innovation projects through a variety of methods, including video conferences, regular business meetings, and interactive workshops at European events.

Involvement in EC Policy-Making

Through the close contact with the European Commission strengthened by the ESEIA desk in Brussels, ESEIA is involving its experts in policy-making, as well as EC project and programme evaluation.

Access News from the Grapevine

ESEIA provides members with firsthand know-how and access to the latest news from the grapevine on EC funding opportunities of relevant call information, individual funding advice and access to EC experts.

Coordination of Large-Scale EC Proposals

ESEIA is pleased to support the ESEIA Working Groups in the generation of proposals for funding by team building for proposal consortia, proposal management, provision of financial and work package models or proposal quality control.

In-Project support for EC Projects

ESEIA provides project management expertise for running EC projects, including support during negotiation phase of the Consortium Agreement.

Dissemination and Exploitation of Project Results

Building on her European outreach platform, ESEIA provides members with a number of dissemination and exploitation tools like ESEIA media channels, bi-annual conferences and exploitation of research results.

ESEIA in the World

As the energy transition continues to be a primary focus for governments, businesses and communities worldwide, ESEIA is committed to exploring new opportunities for international cooperation and enduring partnerships. We focused on promoting synergies towards sustainable development in Africa by building up our portfolio of project proposals and took advantage of international events to promote ESEIA by showcasing our ongoing efforts to accelerate the energy transition.



University of Miskolc, Hungary

TARDIS 2022

ESEIA Director participated in the Trans-Atlantic Research and Development Interchange on Sustainability (TARDIS) conference, hosted by the University of Miskolc, in Hungary, from 14 to 16 September 2022. In her presentation, the ESEIA Director explained the concept of innovation ecosystems and provided an overview of the WEFE4MED project, coordinated by The Cyprus Institute, which tries to mainstream the rather novel Water, Energy, Food and Ecosystems Nexus approach in the Mediterranean.

KOSEAA Autumn Seminar 2022

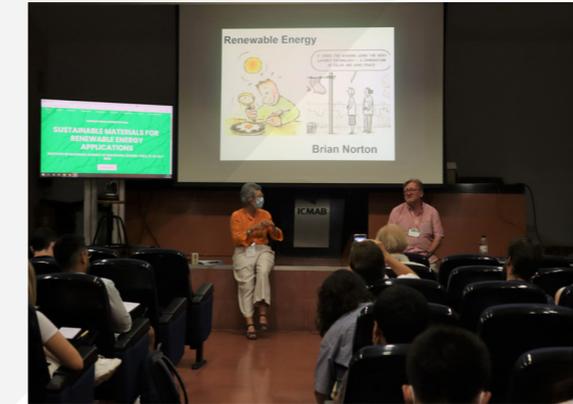
ESEIA Project Manager Hana Lee introduced ESEIA to the Korean Scientists and Engineers Association in Austria (KOSEAA) members at the Autumn Seminar, held 12 November 2022 in Linz, Austria. KOSEAA aims to support Korean scientists and engineers to connect and exchange knowledge and ideas with their peers in Austria and other European countries. During the seminar, Hana Lee gave a presentation about ESEIA and invited the attendees to get involved in its numerous activities.



ESEIA Project Manager Hana Lee at KOSEAA Autumn Seminar © 2022 ESEIA

Brussels Links

At ESEIA, we are committed to driving the energy transition forward through strategic partnerships. We see European Partnerships in Climate, Energy and Mobility, as well as in Bioeconomy and Natural Resources, as perfect sparring partners for our activities in terms of reaching out to key industrial players and stakeholders. In 2022, we have strengthened our partnerships to access new resources, expertise, and networks and are looking forward to continued collaboration in the coming year.



ESEIA Vice-President Brian Norton and Chair Anna Roig from EPNOE at SURE2022 © 2022 ICMAB-CSIC

ESEIA - EPNOE

EPNOE is a research, education and knowledge transfer network connecting companies, academic and research institutes in the field of polysaccharides. ESEIA and EPNOE share a common interest in R&I and E&T on sustainable energy materials. In 2022, the two organisations teamed up to organise the first International Summer School on Sustainable Materials for Renewable Energy Applications (SURE2022) in Barcelona, Spain. Moreover, we are continuously discussing future collaboration opportunities.

ESEIA - ERC

The European Research Council (ERC) is the premier European funding organisation for excellent frontier research. On 4 November 2022, the representative of ERC, Dr Gordana Popovic, took part in the ESEIA Proposal Workshop organised in Nicosia, Cyprus, providing an overview of the ERC funding schemes and offering advice on the preparation of successful applications. Through these fruitful exchanges, we have been able to offer better services to our members.



ESEIA Proposal Workshop © 2022 The Cyprus Institute

ESEIA General Assembly

The GA is the highest decision-making body and consists of one representative from each member organisation. The GA votes on decisions proposed by the Governing Council twice a year.

ESEIA Governing Council



Harald Kainz TU Graz, AT	Teresa Ponce de Leão LNEG, PT	Brian Norton TU Dublin, IERC, IE	Josef Füllinger RIC GmbH, AT	Spomenka Kobe JSI, SL	Costas Papanicolas CYI, CY	Monika Lichtigthagen-Wirths BAV, DE	Markku Huhtinen Savonia UAS, FI	Brigitte Hasewend ESEIA, AT
<i>President</i>	<i>Record Keeper</i>	<i>Treasurer</i>	<i>Vice-President</i>	<i>Vice-President</i>	<i>Vice-President</i>	<i>Vice-President</i>	<i>Vice-President</i>	<i>Director</i>

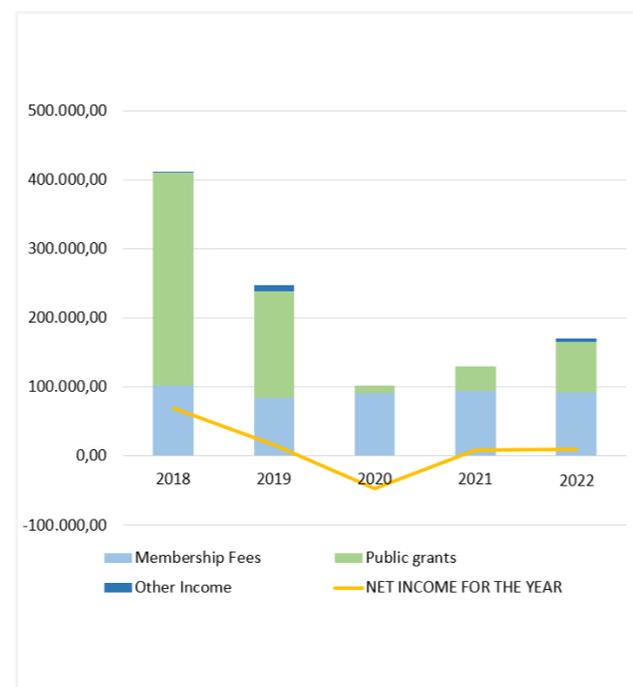
ESEIA Business Meetings

Aimed at providing updates on various aspects of the Alliance, the ESEIA Business Meetings took place **26 April 2022** online and **2 November 2022** in Nicosia, Cyprus and online. The GA adopted the Accounts Annual Report 21 in the spring meeting and the Work Programme and Budget 23 and the new membership enlargement strategy in the autumn meeting.

ESEIA Accounts

In 2022, the total ESEIA revenue was € 175,000 of which € 90,000 from membership fees, € 75,000 from project income for RE4Industry. Total expenditure was € 160,000 of which € 116,000 for personnel, € 8,500 for travel costs, and € 35,500 for other costs. In total, the ESEIA expenditure was lower than the income, which equals a positive net result. For a comparison of the P&L in the years 2018-2022, please refer to the table on the right.

Revenues and P&L 2018-22



Working Groups	Call/Topic	Action	Mil €
WG 1	HORIZON-CL5-2022-D3-03-07: Development of algal and renewable fuels of non-biological origin.	RIA	5
	HORIZON-CL5-2023-D3-02-08: Development of microalgae and/or direct solar fuel production and purification technologies for advanced aviation and /or shipping fuels.	RIA	4
	HORIZON-CL5-2023-D3-02-07: Development of next generation advanced biofuel technologies.	RIA	4
	HORIZON-CL5-2024-D3-02-03: Development of smart concepts of integrated energy driven bio-refineries for co-production of advanced biofuels, bio-chemicals and biomaterials.	RIA	3.5
WG 2	HORIZON-CL5-2023-D3-01-01: Renewable Energy Valleys to increase energy security while accelerating the green transition in Europe.	IA	20
	HORIZON-WIDERA-2023-ACCESS-03-01: European Excellence Initiative.	WIDERA	5-8
	HORIZON-CL5-2023-D5-01-01: User-centric design and operation of EV for optimized energy efficiency (2ZERO Partnership).	RIA	5
	HORIZON-CL5-2023-D4-02-01: Innovative uses of lifecycle data for the management of buildings and buildings portfolios (Built4People Partnership).	CSA	5
WG 3	HORIZON-CL4-2024-TWIN-TRANSITION-01-38: Hubs for circularity for industrialised urban peripheral areas (Processes4Planet partnership).	IA	15-20
	HORIZON-CL4-2024-RESILIENCE-01-04: Technologies for processing and refining of critical raw materials.	IA	7.3
WG 4	<i>The WG 4 will cooperate with the WG 1 and the WG 2 on the project proposals mentioned above.</i>	-	-
WG 5	HORIZON-CL5-2023-D3-02-16: Accelerating the green transition and energy access in Africa.	IA	5
5 Working Groups	12 Opportunities	Mil €	88.3

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