EEDA

EXPLORE ENERGY DIGITAL ACADEMY

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NEWSLETTER

IN THIS EDITION

A WORD FROM

THE EDITOR

Education is the cornerstone of progress, and in a world that's evolving faster than ever, modernising education is no longer an option—it's a necessity.

At EEDA (Explore Energy Digital Academy), we are proud to be at the forefront of this transformation through our Erasmus+ projects, which are shaping the future of learning across the globe.

This month, we are reminded of the real-world impact of these initiatives through the voices of students who have participated in MSc courses offered by our partner universities. Their testimonials are not just stories; they are proof of how education can empower individuals, open doors to new opportunities, and drive meaningful change. From gaining cutting-edge knowledge in renewable energy to securing internships at leading firms, these students are living examples of what modernised education can achieve.

As we step into 2025, we are filled with optimism and excitement for what lies ahead. Our projects continue to break new ground, fostering collaboration, innovation, and inclusivity in education. While this edition highlights the achievements of our partners, we look forward to sharing even more updates, milestones, and success stories in the months to come.

Thank you for being part of this journey. Together, we are not just modernising education—we are building a brighter, more sustainable future.

Stay tuned for updates, and as always, feel free to share your stories with us.

FIRST EEDA MEETING JUNE 09-13, 2025.

On June 09-13, 2025, there will be a first combined gathering of three Erasmus+ Capacity Building in Higher Education projects (EDU-ABCM, EU-ZW and EU-AGM) in Stockholm, Sweden. All other "EEDA-educators" are of course also very welcome to participate.

This will allow educators from these three projects (and others) to get together and experience a large "educator-to-educator" collaboration in the energy area.

More information will follow.

From Sri Lanka to the World: EEDA's Impact on Energy Education and Sustainability


Snr. Prof. P.M.C. Thilakerathne

Pioneering Leadership in Energy Sustainability and Education

"The EXPLORE Energy Digital Academy (EEDA) continues to serve as a global beacon for collaboration and innovation in energy and sustainability. By connecting academic institutions, researchers, and organizations worldwide, EEDA fosters knowledge exchange and capacity building to tackle the pressing challenges of energy transition and advance climate resilience.

As Vice-Chancellor of The Open University Sri Lanka and Program Director of the MSc in "Energy for Circular Economy" (MECE), run as a joint program between four universities in Sri Lanka) I fully embody EEDA's mission through its outstanding contributions to sustainable energy education and capacity building.

The MECE program, being a result of the EUSL-Energy project, equips students with cutting-edge knowledge to drive the global transition toward a sustainable energy future. As OUSL we are very excited to participate in this journey towards excellence in global higher education, shaping the future of energy education and future leaders in the field.

The MECE program, with all the learning resources in the EEDA, has definitely elevated Sri Lanka's role in the global energy landscape and inspires the next generation of energy professionals. The program continues to champion the integration of sustainability into education and policy, ensuring a resilient and energy-secure future for Sri Lanka and beyond."

As we look ahead, the potential of the MECE program and EEDA's initiatives is truly limitless, offering boundless opportunities for growth, innovation, and transformation. Together, we are not just shaping an educational framework—we are laying the foundation for a future where energy education becomes a driving force behind global progress. Every graduate emerging from these programs is more than just a professional; they are empowered change-makers, equipped with the knowledge and skills to revolutionize the energy landscape.

Revolutionising Classrooms: NUST Embraces Flipped Learning and Remote Labs

EU-ZW Project Partner NUST Commemorate International Education Day (24th Jan) Through Innovative Teaching Methods Awareness.

On January 24th, 2025, the Industrial and Manufacturing Engineering Department and Faculty of Science and Technology Education at the National University of Science and Technology in Zimbabwe, hosted a workshop to celebrate International Education Day.

Led by Professors Samson Mhlanga and Lwazi Sibanda, the event focused on the EU-funded EU-ZW Project, introducing innovative teaching methods to 29 faculty members (9 female and 20 Male).

The workshop highlighted the EXPLORE Energy Digital Academy, emphasizing flipped classrooms, challenge-driven learning, and remote laboratories. Participants were introduced to the Learnify platform and the Solar PV Bolivia remote laboratory. Prof. Mhlanga emphasized the importance of these methods in engaging students and creating a ripple effect across postgraduate programs. The next steps involve developing teaching modules and ensuring sustainability through short courses on innovative teaching methods.

The EU-ZW project aims to transform education in the region using digital tools and modern pedagogical strategies.

Transforming Lives Through Education: Student Stories

'**Joining The MSc In Energy For Circular Economy Program Has Been A Transforming Step In My Journey As An Engineer**'.

The curriculum, which is very comprehensive, has not only broadened my understanding of renewable energy and sustainability principles but also equipped me with practical skills that I can directly apply to my role. This programme of study has allowed for interaction with a vast group of peers and taught me by the most scholarly professors, and it has deepened my commitment to producing sustainable energy practices. Therefore, I would highly advise anyone who is concerned enough about making a difference with regards to global energy solution-hunters to join this course of MSc.

-Nalika Darshani Widurugewatte-
Design Engineer - GAIA Green Energy Holdings
Reg No: 524641321
(MSc in Energy for Circular Economy -24/25 Batch)

Shaping The Future: Innovate, Learn And Lead In Energy For Circular Economy

“This program serves as a robust bridge between academic and professional life, enhancing theoretical knowledge and exposing participants to modern technologies and new approaches in technical problem-solving. It aims to motivate innovative thinking.

The distance learning culture and the pleasant study environment offered by this program are unparalleled in Sri Lanka.”

-Eng. Dr. HHD Nalin-
Chief Electrical Engineer, Ceylon Electricity Board.
Reg. No. 323544403
(M.Sc. in Energy for Circular Economy - 23/24 Batch)

Learning Without Borders: Global Perspectives from MSc Students

"How the MECE Programme Helped Me Secure My First Job in Australia's Renewable Energy Sector"

I am proud to be part of the second batch of the "Master of Science in Energy for Circular Economy", a program that played a crucial role in helping me secure my first job in Australia in the renewable energy sector. This course provided me with a deep understanding of sustainable energy systems, carbon reduction strategies, and circular economy principles, which are highly relevant to Australia's growing focus on clean energy and decarbonization.

The program's structure, with its in-depth individual and group assignments, allowed me to apply theoretical knowledge to real-world sustainability challenges. The fully distance-learning format was highly flexible, enabling me to balance my studies while continuing my professional journey in sustainability, energy management, and project leadership.

With over a decade of experience in engineering project management, sustainability consulting, and carbon footprint reduction, I leveraged my expertise in solar and battery design, energy efficiency, and corporate sustainability reporting (CDP, SBTi, Walmart's Project Gigaton) to transition into the Australian job market. This master's program helped me refine my skills, expand my knowledge, and align my experience with the latest advancements in circular energy systems.

Now, working in solar and battery system design, I apply my knowledge to drive practical renewable energy solutions. The journey from managing global sustainability projects to contributing to Australia's energy transition has been both rewarding and transformative. This program has been instrumental in shaping my career and opening doors to exciting opportunities in the renewable energy sector.

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MECE MSc in Energy for Circular Economy

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