

EEDA



**EXPLORE ENERGY
DIGITAL ACADEMY**



OCTOBER 2024

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This illustration of a Rolls-Royce turbofan under development shows the epicyclic fan gearbox that will enable it to perform with great efficiency.
Photo: Rolls Royce

A WORD FROM THE EDITOR

This October, EEDA proudly showcases the strides we're making in advancing energy education and preparing tomorrow's leaders for a sustainable future.

With newly launched courses and updated modules, we continue to provide learners with access to the latest advancements in energy management, digital innovation, and environmental sustainability.

Our interactive platform now includes specialized content developed in collaboration with industry leaders, focusing on practical skills in fields like green energy technologies and energy policy. These updates not only provide relevant knowledge but also emphasize real-world applications through simulated projects, case studies, and expert-led workshops.

EEDA remains committed to fostering a vibrant learning community. Our programs are designed to encourage collaboration, critical thinking, and innovation—key qualities for those ready to make a difference in the energy sector. Join us this October as we take another step forward in shaping a sustainable, energy-efficient world.

EEDA OpenEdX “TRAIN-THE-TRAINERS” COURSE

Introduction to The EXPLORE Energy Digital Academy



The course gives an introduction to the overall EEDA concept in three lessons as below, and is available in EEDA OpenedX as a "freemium".

The total estimated learning time for all modules, including performing the assessments, is 20 ELH.

The learner will be guided through the overall perspectives of EEDA, will gain experience in using Learnify in an efficient way and see a few good practices within the EEDA concept.

Please visit: [EEDA OpenedX webpage](#)



EU-BEGP Project At Erasmus+ Cluster Meeting in Montevideo-Uruguay

At the invitation of the European Commission, the Universidad Privada Boliviana (UPB), coordinator of the project “EU-BEGP - Modernising Digital Education in Energy Transition for Circular Economy in Latin America”, participated in the **“Erasmus+ Cluster Meeting and Contact-Making Seminar for Latin America and the Caribbean”** in the city of Montevideo, Uruguay from October 1-2, 2024.



General meeting participants

More than 200 representatives from universities in Latin America and the Caribbean participated in this meeting, in which international collaboration opportunities were presented. The central theme was “Digitalization in Education”, highlighting initiatives supported by the Erasmus+ Program, which address global challenges through examples of digital transformation and research.

During the event, Omar Ormachea Ph.D., director of the UPB's Center for Optical and Energy Research (CIOE), presented the EU-BEGP Project to Congress participants and European Commission authorities. At this meeting, 19 Capacity Building in Higher Education projects (including EU-BEGP), 6 projects in Capacity Building in Vocational Education and Training and 2 projects in the Jean Monnet Actions were presented.



Omar Ormachea, Ph.D.

On the second day of the cluster meeting, participants engaged in an active networking session that stood out as a dynamic space for forging new strategic alliances, essential for advancing in the projects. Prof. Marcelo Alves, the coordinator of the EUBBC-Digital Project, enriched the discussion with insights on the progress of ERASMUS+ initiatives, specially about online education in the region as main topic across various institutions in higher education.



Omar Ormachea (EU-BEGP) and Marcelo Alves (EUBBC-Digital)

Guanyu Xu's Journey: Transforming Energy Knowledge Into Real-World Impact

"Studying in the MSc in Energy for Circular Economy Program has provided me with a deeper understanding of sustainable energy applications.

The program combines theory and practice, enabling me to participate in real energy projects and work with students from different backgrounds.

This multicultural exchange broadened my horizons and enhanced my teamwork skills. I learned how to apply what I learned in a real-world setting, especially in resource optimization and circular economy."



Guanyu Xu from China
Reg No. 524641475
(MSc in Energy for Circular
Economy -24/25 Batch)



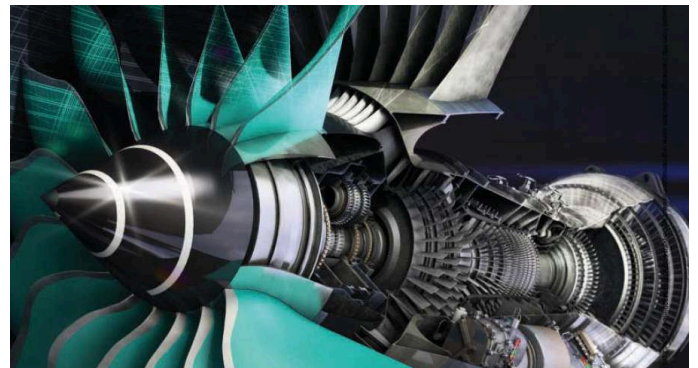
Citizen Science And Green EnergyNews

The EEDA community is exploring the opportunities Citizen Science as a strategy for the acceptance and implementation of green energy. Citizen Science involves citizens in addressing 'green energy challenges'. Not only energy technology matters but also acceptance of such technologies and a change of citizen energy behavior is critical for the success of green energy.

The EEDA community cooperates with the Citizen Science Now community (<https://citizenscience-now.org/>).

If you are interested in using Citizen Science just mail Jeroen Vonk (j.h.j.vonk@utwente.nl), who can introduce you into the Citizen Science community.

Citizen Science NOW is an Erasmus+ Cooperation Partnership in Adult Education, co-funded by the European Commission for two years (2022-2023). The project brings together three universities, a Future Foresight Institute, and a globally-operating quality assurance body



We are delighted to announce an exciting collaboration agreement with one of the world's most famous experts on gas turbines, Prof. Lee Langston, to develop a set of Case Study modules, based upon historical articles over the years presented by Prof Langston in the "**Mechanical Engineering Magazine**", for enrichment by students and professionals alike.

The presented Case Studies pertain to aerodynamics, material science, and state-of-the-art advancements in gas turbine technology. In each Case Study a problem that appeared "in real operation" is solved by theoretical insight. This makes the Case Study very beneficial for all people related to design, operation, or maintenance.

The modules can be found in the Learnify repository under Subject Area SA101-T51L01

Luke Brannon's Success Story:

*Pioneering Circular Economy Solutions At Vestas Wind Systems
United Kingdom News*

"The MSc in Energy for Circular Economy Master Program has been an enriching experience, deepening both my technical knowledge and my passion for renewable energy.

One of the most memorable experiences so far was my visit to the Bogandana mini-hydro plant managed by WKV. It was great to see how the concepts we have been studying come into play in real-world projects and the grid integration challenges faced by renewable energy projects. The visit went beyond just technical knowledge, though. It gave me a better understanding of how Sri Lanka's strong community-driven approach is crucial in promoting innovation in the energy sector. WKV isn't just focused on producing clean energy, but they are actively working to reduce their environmental impact and make sure their processes are sustainable for the long term.

Seeing how they've embedded circular concepts into their operation was inspiring. What I've learned in this Master's Program has directly impacted my work in testing and validation at Vestas Wind Systems. The principles of circularity and sustainable material use have shaped how I approach testing wind turbine blades and have led me to get involved in developing fully recyclable resins for the next generation of wind turbine blades, which is an exciting step forward for the industry and for me personally."



Luke Brannon
Reg No: 624640691
(MSc in Energy for Circular
Economy -24/25 Batch)

The logo for Vestas, featuring the word "Vestas" in a bold, blue, sans-serif font with a registered trademark symbol.

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Company Reg. Name: Vestas Wind Systems A/S

ABOUT THE MASTER'S IN ENERGY FOR CIRCULAR ECONOMY

The MECE program is an advanced master's degree designed by the EUSL-Energy Project to equip students with the expertise needed to drive the transition toward a circular economy in the energy sector.

Focusing on sustainable energy systems, resource efficiency, and innovative economic models, MECE combines theoretical foundations with practical applications. Graduates of this program will be prepared to address the challenges of sustainable energy production, waste reduction, and resource optimization, contributing to a resilient and eco-friendly future.

For more information: [Master in Energy for Circular Economy, Open University Sri Lanka.](#)