



Transforming our relationship with nature is key to a sustainable future



Pr. Jamel Neji, UTM, SDG 11 Ambassador

The Tunis El Manar University: A city that wants to be sustainable in a city that we want to be sustainable.

Med-Eco Su Re Project: A summer school on Micro-Grid energy systems in Tunisia. June 20 to 23, 2023

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Tunis El Manar University with Electrical Systems Laboratory (L.S.E.) has organized a summer school at the National Engineering School of Tunis, partner of Med-EcoSuRe.

The summer school, untitled "**Micro-Grids 2023: Technical and economic modeling and Benefit from real time with OPAL-RT**", has been organized over four days including a 2-day workshop dedicated to young researchers on real-time simulation and the Controller Hardware-in-the-Loop approach.

Micro-Grid energy units installed at ENIT is the object of the summer of the school, among which is SMARTNESS (Smart Micro-grid pLAtfoRmwiThaN Energy management SyStem) which is a Micro-Grid platform powered by PV solar panels and which enables the generation of decentralized renewable energy, the investigation of new concepts such as Energy Management systems, Blockchain technology and the VPP (Virtual Power plant).



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1. Med-EcoSuRe Project (closed on December 2023). Mediterranean University as Catalyst for Eco-Sustainable Renovation.

The project allows Mediterranean university building managers and then, in the mid-term, public building managers, to tap into a wide array of proven technologies, policies, and financing mechanisms to improve energy efficiency and capture cost-effective energy savings in buildings. Med-EcoSuRe will also create job and business opportunities related to the installation and maintenance of energy efficiency equipment in buildings, as well as local manufacturing and marketing of energy-efficient construction materials.

Low energy educational buildings are becoming the standard for new buildings in European and Mediterranean countries. Technical solutions are continuously developed by universities for eco-sustainable building renovation, but there is still a gap between designed models and their actual application. This is due to several barriers, such as the insufficient collaboration between key actors and the lack of efficient suitable tools from the public sector to develop solutions. The Med-EcoSuRe project offers an innovative approach to the definition and diffusion of cost-effective energy renovation within university buildings, with the perspective of extending results to the whole public buildings sector in the long term



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A Mediterranean cross-border living lab - bringing together researchers, building managers, companies, public organisations and students - will be established to develop energy efficiency and renewable energy solutions as well as retrofitting schemes to be implemented in 9 university buildings. The final aim behind the project is to turn university managers into active players contributing to the co-creation and experimentation of emerging ideas, breakthrough scenarios and innovative concepts



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2. Smart transportation Week: from 15 to 18 January 2024

Tunis El Manar University with National school of engineers of Tunis, Tunis Rapid Rail Network Company (RFR), Helios Tunisia (BYD) and National Road Safety Observatory, has organised an opening week: “Smart Transportation” at National school of engineers of Tunis from 15 to 18 January 2024.

The themes covered are:

Transport, Energy and Electrical vehicles, « E-mobilité », Scientific research for the benefit of road safety and mobility, Involvement of startups and the private sector, New technologies in the urban rapid rail network (RFR).





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3. Conference on “Stabilized Compressed Earth Block” with Satprem Maini February 14, 2024

Tunis El Manar University with National school of engineers of Tunis and GDA Sidi Amor association has organised a conference day on : “Stabilized Compressed Earth Block - Durability – Stability – Seismic Resistance - Arched Structures».



Conférence
 Mercredi 14 Février 2024
 à partir de 14H30 à l'Amphithéâtre Mokhtar Laâtiri

Satprem Maini
 Architecte
 Spécialiste international
 de la Construction en Terre

Bloc de terre comprimée stabilisée
 Durabilité – Stabilité – Résistance Sismique
 Structures Voutées



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4. Workshop: Austrian- Tunisian collaboration in Asphalt and Pavement technologies and research, September 16, 2024

Tunis El Manar University with National school of engineers, TU WIEN, BAU & Umwelt_transport, Austrian Agency for Education and Internationalization, has organised a PaveTech workshop.

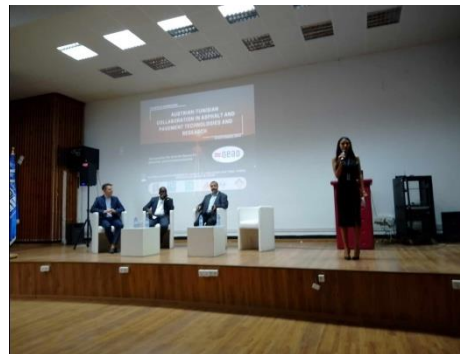


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The themes covered during this day are:

Fate of Polymers in Recycled Asphalt: A Multiscale Approach, Urban Heat Island Mitigation through Cool Pavement Technologies, Development of an Experimental Approach to Study the Behaviour of Multi-Recycled Asphalt Mixtures: Methodology and Preliminary Results, Analysis of new deflection basin indices for the assessment of falling weight deflectometer measurements on asphalt pavements, Determining the distribution of the present value of total cost for different pavement alternatives using Monte Carlo simulation, METAsphalt – Measures to reduce environmental impacts and energy consumption of asphalt mixtures, Inverted Pavement, Chemo-mechanical analysis of bituminous materials, Performance based specifications, The Sponge City Principle in Austria, Q&A Studying in Austria + Collaboration with TU Wien.

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"Before the Flood" by filmmaker Leonardo Di Caprio



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The University of Tunis El Manar and the OSIRIS Scientific Association for Sustainability organized on Saturday, July 6, 2024 a screening of the film "Before the Flood" by filmmaker Leonardo Di Caprio, in the conference room of the Faculty of Sciences of Tunis. "Before the Flood" is an American documentary film by Fisher Stevens, co-produced in particular by Leonardo DiCaprio, and released in 2016. The film addresses the theme of climate change. A round table followed the screening to discuss the scourge of climate change. One of the highlights was how Leonardo DiCaprio, Messenger of Peace on climate issues at the United Nations, explored the tragic way in which climate change impacts the Earth, as well as the individual and collective actions that can prevent the catastrophic disruption of our planet.

5. Global Sustainable Investment Policy

The University of Tunis El Manar has adopted a comprehensive sustainable investment policy, which integrates sustainability and social responsibility as part of its transition to EPST.



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The policy includes six key types of sustainable investment, aimed at achieving a positive environmental and social impact while ensuring long-term financial returns. Socially responsible investment (SRI), which involves taking social and ethical criteria into account in investment decisions, is at the heart of this policy. The university avoids controversial activities and seeks to invest in companies with a positive social impact and ethical practices. ESG integration supports sustainability commitments by evaluating companies based on their environmental, social and governance practices, and favoring those that demonstrate good ESG performance. Impact investing allows the university to create meaningful change by investing in projects with measurable social and environmental benefits, including renewable energy, access to clean water and affordable housing initiatives. Alignment with the Sustainable Development Goals (SDGs) prioritizes investments in projects and businesses that align with the United Nations' global sustainable development goals, including poverty reduction, climate change mitigation, and gender equality. Investments in community development focus on local impact, supporting the economic development and well-being of communities in Tunisia.

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