

2025

SDG12 REPORT

RESPONSIBLE
CONSUMPTION AND
PRODUCTION



SUSTAINABLE
DEVELOPMENT
IBN TOFAIL UNIVERSITY

Introduction

SDG 12

Ibn Tofail University, aware of its societal role and the importance of Sustainable Development Goal (SDG) 12, is actively committed to promoting sustainable consumption and production methods. In response to the challenges posed by overconsumption, waste generation, and environmental degradation, the university has undertaken innovative initiatives, particularly in the partial management, tracking, and recovery of its waste streams, aimed at integrating responsible practices into its operations and raising awareness within the university community. This report highlights the targeted actions taken by Ibn Tofail University, focusing on its specialized waste valorization practices, to contribute to the achievement of SDG 12 and provide insights into future opportunities.

**12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION**



Assessment of the Year

Trainings & workshops

- Master's in Applied Chemistry, Environment, and Sustainable Development
- Bachelor's in Renewable Energy Engineering
- University Bachelor's in Renewable Energy and Energy Efficiency
- University Bachelor's in Risk Management in Health, Safety, and Sustainable Development
- University Master's in Renewable Energy



Club Sustainable Development

These clubs, composed of passionate and determined students, proactively work to promote sustainable initiatives within our institution. Among them, some focus on waste reduction, others on energy conservation, and some on raising environmental awareness or promoting sustainable agriculture, to name just a few. Their common goal is to create a university environment that integrates sustainable practices into all aspects of student life.

By working collaboratively, these clubs play an essential role in raising awareness, educating, and implementing projects aimed at promoting sustainability within our university. Through campaigns, events, and collaborations with local and international organizations, they foster change.

Sustainable Purchasing Policy

The Sustainable Purchasing Policy outlines our commitments and guidelines to achieve our objectives:

- Integrating sustainability criteria, such as environmental impact, social considerations, and economic aspects, into our purchasing processes and supplier selection
- Prioritizing suppliers who demonstrate a commitment to sustainability, favoring those who have obtained recognized certifications or labels in this field

- Favoring the purchase of products certified by recognized eco-labels
- Supporting sustainable innovation by encouraging emerging products and services
- Raising awareness among members of the university community, including students, staff, and faculty, about sustainable procurement practices.

Policies

Sustainable Investment Policy

The adoption of the sustainable investment policy is an important step for Ibn Tofail University, which aims to align its financial practices with its values and commitment to sustainability.

By adhering to this policy, every member of our university is determined to respect these noble principles and actively work to promote them within our institution as well as in society. We plan to diligently integrate ESG (Environmental, Social, and Governance) principles into our investment decision-making processes to foster a significant positive impact on the environment, society, and governance.



Social Responsibility Charter of the University

The Social Responsibility Charter of Ibn Tofail University embodies our unwavering commitment to society and our desire to contribute positively to its development. As an academic institution, we recognize our essential role in shaping future responsible citizens who are aware of societal issues. Thus, we commit to promoting values of solidarity, equity, and sustainability at all levels of our university.

The Social Responsibility Charter of Ibn Tofail University clearly affirms the UIT's commitment to academic freedom and the promotion of diversity of ideas and independent research. This orientation aligns with the fundamental principles of the Charter, which encourages freedom of expression and the exploration of various perspectives within the university community.



Policies

Sustainable Procurement Policy

Ibn Tofail University, as a higher education institution, recognizes the crucial importance of sustainable procurement in fulfilling its commitments to environmental, social, and economic sustainability. We are determined to integrate responsible procurement practices throughout our purchasing processes, aiming to minimize our environmental impact, promote social equity, and encourage sustainable innovation.

Our top priority is to reduce the environmental impact of our purchases. We are committed to carefully assessing products and suppliers, favoring those that adopt environmentally friendly practices, use recycled materials, and minimize their carbon footprint. Additionally, we pay particular attention to promoting social equity by supporting local suppliers and encouraging diversity sources of supply, and ensuring compliance with ethical labor standards.

The University actively encourages sustainable innovation in its procurement choices. We seek alternative and eco-efficient solutions while supporting innovative initiatives that contribute to more sustainable purchasing practices and waste reduction. The guidelines of our policy include a rigorous evaluation of suppliers, raising awareness and training our university community, as well as collaborating with internal and external stakeholders to share best practices and enhance our positive impact.



Projects

SUPREM-MILK

The SUPREM-MILK project focuses on the sustainability and resilience of the milk supply chain in the Mediterranean regions. Here is the analysis of the project in relation to the Sustainable Development Goals 2, 12, 13 and 3.

Description:

SUPREM-MILK aims to provide concrete tools and propose customized and targeted solutions that can help farmers in the Southern Mediterranean Countries (SMCs) to take a step towards net zero carbon and a greener and circular “agriculture” to maximize the 3 forms of sustainability and the resilience of Mediterranean milk. Three SMCs will be part of the project consortium: Egypt, Morocco and Turkey in addition to the Northern Mediterranean partners Italy, France and Spain.

Project Objectives:

Objective 1: Preliminary inventory of the carbon cycle and characterization of sustainability in the ecosystems where the target dairy sectors are located.

Objective 2: Support the adoption and implementation of sustainable technologies, new applications and best practices by local farmers.

Objective 3: Final assessment of the carbon footprint, sustainability, self-sufficiency and competitiveness of the milk supply chains considered and its impact on consumer nutrition and health.



Projects

Phosphogypsum Amendments: a Promising Solution to Mitigate the Effects of Salt Stress in Citrus Orchards

Projet Description:

This project seeks to reduce soil salinity by replacing gypsum with phosphogypsum, a by-product of phosphoric acid production. The initiative, titled “Phosphogypsum Amendments: A Promising Solution to Mitigate Salt Stress in Citrus Orchards,” focuses on leveraging phosphogypsum as an effective soil amendment to combat salinity issues in citrus orchards. This approach not only addresses the problem of soil degradation but also contributes to the sustainable management of industrial by-products, offering a more eco-friendly solution to agricultural challenges.

Partners:

UNIVERSITY MOHAMMED VI POLYTECHNIC (UM6P);

THE NATIONAL CENTRE FOR SCIENTIFIC AND TECHNICAL RESEARCH (NCSTR);

THE MINISTRY OF HIGHER EDUCATION, SCIENTIFIC RESEARCH AND INNOVATION (MHESRI);

IBN TOFAIL UNIVERSITY (ITU)

Scientific, Environmental, and Economic Impact:

The aim of this project is to use phosphogypsum, a by-product of the production of phosphoric acid, which is widely available in Morocco, as an alternative to gypsum to reduce soil salinity. However, such amendment can only be considered if the harmlessness of the products has been validated. To reduce the potential presence of toxic elements, bioremediation will be explored by selection of microorganisms and/or plants capable of metabolizing heavy metals in soil, tree and fruit as a result of the application of phosphogypsum.



Projects

Energy Recovery from Organic Waste through Methanization, Gasification, and Combustion (VLORMAC)

Project Hosting Institution:

Institute of Combustion, Aerothermics, Reactivity and Environment (ICARE), Orléans, France

Project Overview:

This project is a collaborative effort between the Institute of Combustion, Aerothermics, Reactivity and Environment (ICARE) in Orléans, France, and Ibn Tofail University in Kenitra, Morocco.

Partners:

- . ICARE: Institute of Combustion, Aerothermics, Reactivity and Environment, Orléans, France
- . Ibn Tofail University, Kenitra, Morocco

Project Objectives:

The scientific objectives of the VLORMAC project are as follows:

- To develop renewable energies by utilizing biomass and waste, while reducing greenhouse gas emissions;
- To decrease waste volume and reduce the pollutant load of digested waste;
- To deepen understanding of gasification and methanization systems to improve the management of bioprocesses;
- To characterize olive residues in terms of their thermo-physical properties;

To compare energy recovery processes gasification, methanization, and direct combustion, both energetically and economically, to select the most appropriate process;

To characterize the combustion of the obtained products in terms of heat quantity and pollutant emissions based on the composition of the produced gases.

Human Resources:

SETIME Laboratory, Renewable Energies and Materials Team, Faculty of Sciences, Kenitra, Morocco: Professors, PhDs, Doctoral Candidates, and Students.

ICARE Laboratory, CB2 team – Biomass Combustion and Biofuels

Outlook and Future Perspectives:

The project aims to treat olive oil waste in an integrated way by combining the biochemical recovery of margins by methanization (liquid fraction) and the thermochemical conversion of the resulting digestate and olive groats (solid fraction) by combustion and gasification. This approach respects the objectives of the circular economy, as it results in zero waste. We propose to study the possibilities of valorizing agricultural and agri-food residues, and in particular waste from olive oil production. The concept is to produce biogas and syngas from these wastes for use as biofuels in boilers, either on an industrial scale, or on the scale of small groups of dwellings (hamlets). The aim of the VALORMAC project is to determine the optimum conditions for using these residues to produce biofuels and burning them in specific boilers, in order to verify burner performance.

Projects

Olive tree adaptation

Project title:

Olive tree adaptation to climate change: Using genomics and association genetics for varietal selection (ClimGenOlive)

Aim of the project:

Understanding the biological processes involved in flowering (induction, flowering, cold and heat requirements, flowering rate) and defining the main phenological traits involved in flowering, enabling variety characterization in terms of cold and heat requirements.

Characterizing drought adaptation mechanisms and defining the main structural and functional traits ensuring the maintenance of a water status that preserves the integrity of the tree's physiological functions and productive state.

Exploiting the new tools of genomics and association genetics to identify the genomic regions associated with the main phenotypic traits linked to cold/flowering requirements and drought tolerance in order to define a combination of genomic markers associated with adaptive traits useful for characterizing local genetic resources and selecting the genotypes best adapted to changes.

Funding partners:

- Ministry of Higher education, Scientific Research and Innovation
- Hassan II Scientific and Technical Academy – Rabat
- Cadi Ayyad University – Marrakech
- Ibn Tofail University – Kénitra
- National Institute for Agronomic Research – Rabat

Scientific, environmental, and economic impact:

In terms of research better understanding of biological processes linked to flower induction, dormancy, cold and heat requirements and flowering rate:

- Identification of genetic and environmental effects linked to flowering dates of Mediterranean varieties.
- Establishment and validation of relationships between cold and heat requirements and flowering.
- Identification of eco-physiological mechanisms explaining differential varietal behavior with respect to drought.
- Contribution to the exploration of the genomics of adaptation through the identification of genes and allelic variants involved in the adaptation of olive trees to winter cold and water deficits.
- Identification and validation of a combination of genomic markers associated with phenotypic traits related to olive adaptation to winter cold deficit and summer water deficit.

In terms of application:

- Classification of 200–205 Mediterranean varieties according to their flowering dates, cold requirements for flowering and drought tolerance.
- Selection of elite varieties best adapted to winter cold and summer water deficits.
- Definition of a combination of reliable genomic markers for the genetic characterization of olive tree genetic resources.
- Identification of the most decisive traits that can be used in the selection program for genotypes adapted to water deficit.
- Characterization of the phenotypic plasticity of the Moroccan Picholine variety along the north-south gradient and in correlation with bioclimatic stages, enabling the defining of adaptation maps for the olive tree.

Projects

Expertise in Scaling Problems

Description of the project:

The aim of this applied research project, in partnership with ONEE, is to address the problem of scaling and the control and use of water with a high scaling potential by setting up a pilot treatment process and identifying and assisting in the implementation of preventive and curative measures to control the problem.

This project aims to tackle the problem of scaling in its various aspects:

- . Preventive: adapting water supply systems and their operation and equipment to water quality, particularly those with a high potential for scaling;
- . Curative: identification and assistance with the implementation of various intervention, cleaning, and regeneration techniques for clogged systems;
- . Development and implementation of appropriate specific treatments, taking into account water quality and the national context.

Funding partner:

Office National de l'Electricité et de l'Eau Potable (ONEE – Morocco)

Scientific, environmental, and economic impact:

- Mastery of innovative drinking water treatment technologies and assessment of the qualitative, quantitative and energetic performance of these processes;
- Design of a pilot scaling treatment unit adapted to ONEE centers and to the Moroccan context;
- Ensuring the efficiency and performance of drinking water supply systems, and consequently ensuring water security: sufficient drinking water flow to meet the needs of the population;
- Producing water free of viruses and bacteria, and with mineral content in line with World Health Organization (WHO) and Moroccan drinking water standards.



Projects

Organic Agri-Food Systems as Models for Sustainable Food Systems in Europe and North Africa

Current food systems are neither ecologically nor socio-economically sustainable. We face significant health issues related to food, including both hunger and obesity. Intensive agricultural production is a major cause of biodiversity loss and a significant consumer of freshwater globally. According to the FAO, one-third of our food is wasted throughout the value chain.

While the main cause-and-effect relationships are known, the challenge lies in motivating stakeholders in food systems to produce and consume more sustainably. Our hypothesis is that similar entry points exist for transitions, despite regional variations in food systems. Identifying these is crucial for deriving recommendations to enhance sustainability, with organic food systems serving as a potential model.

Key Project Activities address the following questions from four perspectives: Transition, food, organic food and agriculture, and food waste.

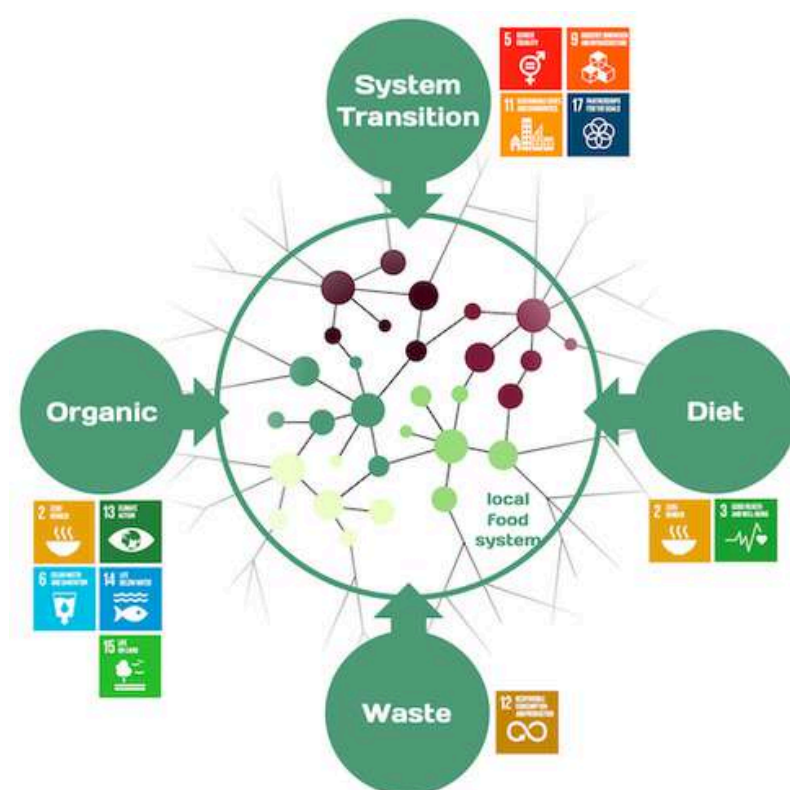
What is the understanding of sustainability to drive transformation towards sustainable food systems?

How can we successfully design pathways to increase sustainable food production and consumption throughout the system?

What are the reasons, motivations, incentives, or obstacles that encourage stakeholders to adopt more sustainable solutions?

What promising entry points exist to develop, consolidate, and promote organic food and agriculture, reduce waste, and shift towards sustainable diets?

What are the critical points for integrating these perspectives into a systemic approach?



Projects

Study of Appropriate Technologies for the Conversion of Organic Waste and Biomass into Renewable Energy and Sustainable Bio-Fertilizer

Funding Partners: CNRST- Ibn Tofail University – Sidi Mohamed Ben Abdellah University– Hassan 1 st University.

Description:

The university catering sector is one of the largest producers of bio-waste from food. The enormous amount of waste poses a risk to the environment and public health if it is thrown directly into the environment. Anaerobic digestion is a possible solution for the better management of this type of food waste.

Project Objectives:

Design of a pilot prototype for the methanization of organic waste from the university restaurant in Kenitra.

Project beneficiaries: Restaurants

Means necessary for the realization of the project:

Human resources: Biomass and Biogas Energy Team, Faculty of Sciences Kenitra-Morocco: Professors, Doctors, and PhD Students. Environmental Biotechnology Team, Biotechnology Laboratory, Sidi Mohamed Benabdellah University: Professors, PhD Students and Students.

Material resources: CSTR Digester and Scientific laboratory equipment.

Project Status: Prototype, Sample

Project Assessment:

Innovative aspect: A first university-scale digester for waste treatment

Environmental Impact: Treatment of university restaurant waste, reduction of greenhouse gases and production of renewable energy

Development prospects: Pilot scale, capacity expansion, diversification of treatment and recovery types

Sustainability prospects: Provide the university restaurant with a prototype for processing their waste.



Projects

Treatment of High-Pollutant Industrial Effluents through Biomethanation

Project Context:

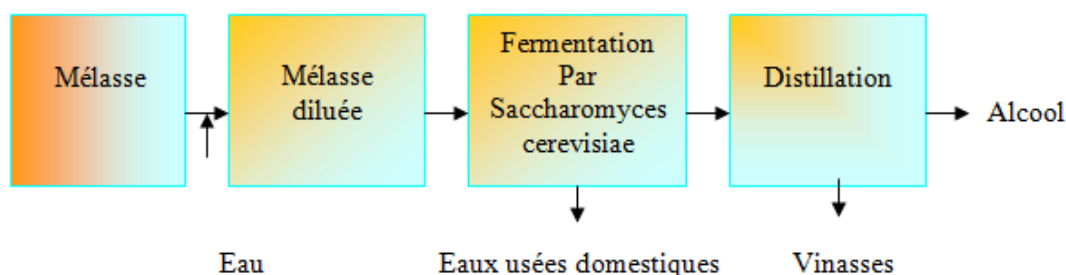
The Rabat-Salé-Kénitra (RSK) region, known for its agriculture, is experiencing continuous demographic and economic growth, and hosts numerous agro-industrial units. These industries are notorious for being major polluters. For instance, the effluents from the Société de Transformation des Mélasses du Gharb (Sotrameg) generate industrial effluents with high concentrations of Chemical Oxygen Demand (COD) and Biochemical Oxygen Demand (BOD₅), around 60,000 mg/L and 40,000 mg/L respectively. When these industrial effluents are discharged into the sewer network, they mix with domestic wastewater, negatively affecting the quality of groundwater and soil.

The goal of this project is to study the treatment and valorization of industrial effluents from a food-grade alcohol production unit using molasses, a by-product of sugar refining. The project will explore the feasibility of biomethanation to produce biogas and a biofertilizer product that can be used in agriculture.

Methanation produces ethanol through mesophilic fermentation of molasses using *Saccharomyces cerevisiae*.

Sotrameg, the "Société de transformation des mélasses du Gharb," has been operating in the Gharb region of Morocco since 1975. It is involved in the production of industrial alcohols and liquefied gases. It is the only ethanol distillery in Morocco, producing ethanol from beet and sugarcane molasses. Sotrameg is unique in combining the production of ethyl alcohol with that of liquid carbon dioxide.

Ibn Tofail University, particularly the Separation Processes team of the Advanced Materials and Process Engineering Laboratory, is studying the anaerobic digestion process of vinasse...



Projects

Sustainable biomass conversion into bioenergy through pyrolysis (PyroBioFuel)

Moroccan Coordinator: Prof. Hassan El Bari – Ibn Tofail University

Description of the project:

Fast pyrolysis optimisation, development of processes to convert pyrolysis' products to fuels, and model-based decision-making tools to support process development and performance validation are representing the main objectives of the project. This will be achieved through robust pyrolysis technologies delivering constant product quality, and unique catalytic units based on integrated Fischer-Tropsch synthesis (FTS) and hydrocracking reactor (HCR) microreactors (MCRs) that can be flexibly implemented for compact and efficient biofuel processing. The programme involves 5 working packages (WPs) integrated together to enhance the biomass to fuel conversion pathway using novel conversion technologies and innovative digital tools. PyroBioFuel will utilise waste biomass as feedstock for the pyrolysis process (e.g., date palm waste, cotton stalks, maize straw, olive wastes).

Funding Organism: Ministry of Higher Education and Innovation

Project Impacts:

Biomass pyrolysis projects, on the micro level promotes women-led small investments, job creation and rural communities' development.

The social impact assessment will include the evaluation of all impacts on humans and on all the ways in which people and communities interact with their surroundings, focusing on benefits to women empowerment and gender equality.

PyroBioFuel will validate new biomass conversion technologies. The modular nature of the technologies will reduce capital cost and allow their scalability for small, decentralized units, easy to implement in off-grid rural and remote areas.

socio-cultural, economic, and biophysical



Projects

The Advanced Control System for Intelligent and Sustainable Operation of Connected Agricultural Greenhouses

Project Partners: CNRST- MESRSI- UM6P- OCP

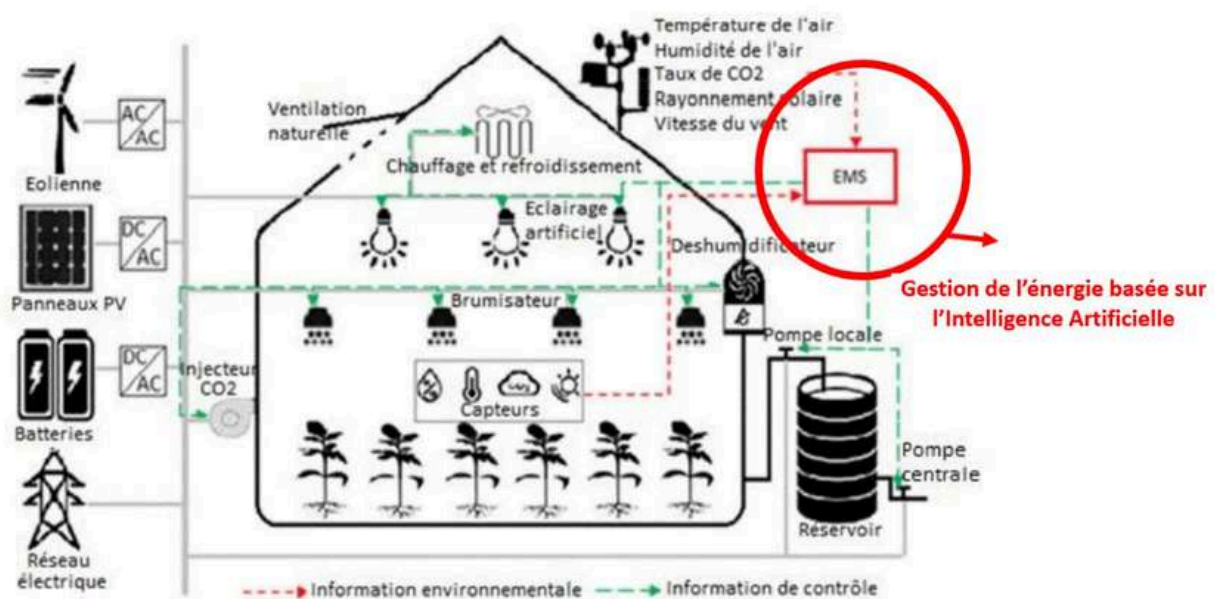
Description:

Among 61 projects selected under the Multi-Thematic Research Call for Projects (APRD), jointly initiated by the Ministry of Higher Education, Scientific Research and Innovation, the OCP Foundation, Mohammed 6 Polytechnic University, and the National Center for Scientific and Technical Research, the project of the Advanced Systems Engineering Laboratory (LISA) stands out. This project, spread over the period 2021-2024, is entitled "Advanced control system for intelligent and sustainable operation of connected agricultural greenhouses connected to hybrid micro-grids."

Project Objectives:

This project aims to develop and validate a smart management product for a network of greenhouses connected to a hybrid micro-grid, based on an innovative centralized predictive control algorithm, taking into consideration stochastic production models and advanced prediction models based on artificial intelligence.

The entire system control platform is based on machine learning to provide real-time management of the entire system. It should enable the real-time collection and analysis of greenhouse bioclimatic indicators. The control platform includes control and decision-making modules developed and optimized for heterogeneous energy distribution systems that can accommodate a large number of renewable energy sources, smart greenhouses, energy storage devices, pumps, water tanks, smart meters, and sensors. The objective is to support the transition to precision and smart agriculture by developing integrated information and control technologies based on both consistent data analysis and high-performance control systems.



Projects

PROMEDRICE

Description:

PROMEDRICE aims to develop and promote the adoption of innovative and environmentally friendly agricultural practices and to produce evidence to support policymakers in making decisions regarding water resource management. The main objective of PROMEDRICE is to develop and promote the adoption of site-specific agricultural practices that reduce soil and water contamination and salinization while maintaining or improving water use efficiency and productivity in rice agro ecosystems.

Researchers involved:

BOUABDLI Abdelhak – Geochemistry/Contamination/Pollution/ Environment – PES

SADIKI Mohamed – Geochemistry/ Hydrology/ Environment – PH

SAIDI Nadia – Microbiology/ Contamination/ Pollution – PES

CHAKIRI Said – Sedimentology/ Environment – PES

Funding Partners:

Ministry of Higher Education, Scientific Research and Innovation Morocco (MHESRIM)

Methodology:

PROMEDRICE will collect and harmonize data regarding both the quality of surface and groundwater in the vast majority of rice-producing areas in the Mediterranean, often located in river deltas and coastal wetlands. The project will directly address the challenge of reducing salinization and contamination of water and soil in rice-based agro ecosystems. He will rely on the prior and shared knowledge of the consortium and experience to save water in rice cultivation, now focusing on optimizing water management coupled with agronomic practices that are likely to cause pollution. The specific objective is to preserve the health of rice agro ecosystems and the ecosystems with which they interact. Depending on the regions, conditions such as salinity, nutrients, pesticides, other compounds, as well as metals like As and Cd will be studied for their impacts on soils, surface waters, and groundwater. In those areas where salinization is a major issue, the salinization of aquifers and soil will be studied in relation to agricultural practices.

Expected Results:

The project will identify and quantify the main pollutants affecting surface water and groundwater in relation to rice production under specific soil and environmental conditions. The implementation of efficient and sustainable agricultural practices to reduce the risks of water pollution and salinization; will be developed studied/demonstrated in seven case studies across the Mediterranean region, from Turkey and Egypt in the East, to Portugal and Spain in the West.



Projects

The project of Hybrid Biochemical and Thermochemical conversion of Slaughterhouse Biowaste for Renewable Energy production (BIOTHEREP)

Funding Partners : Leap-Re program

Description:

The BIOTHEREP Circular is a project that aims to create novel and economically viable integrated processes that will help convert slaughterhouse activities into environmentally friendly sustainable practices and reduce the risk of soil, climate, and water pollution.

The project, set to unfold between 2022 and 2024, aims to develop an integrated strategy to produce bioenergy from slaughterhouse wastes and implement solutions that respond concretely to the global and regional sustainable development objectives from a circular economic perspective.

The project's primary ambition is to propose effective, optimized, and innovative multidisciplinary technological solutions to the current problems of SHW management that seriously affect climate, soil, and water resources.

What is the expected impact of the project?

Among the project's primary outcomes will be the creation of an integrated waste management and energy generation system that is ideal for slaughterhouses.

The slaughterhouses in Africa might employ this method directly, or it might be extended to other slaughterhouses that deal with comparable issues like improper disposal of waste heat or inadequate energy supply, particularly in remote regions.

Overall, in BIOTHEREP, several sustainable development goals are targeted. The project has an environmental and social impact on the African continent and responds to population needs. By implementing this integrated approach, the regional slaughterhouse sector can strengthen its competitiveness and growth by becoming more energy efficient. Results obtained could be used beyond this project for investigation in further R&D or international development projects.



Projects

Organic food systems as models for sustainable food systems in Europe and North Africa

Project Description:

SysOrg aims to identify intervention and entry points to enable a transformation process towards resilient and sustainable food systems. It also seeks to identify how pathways to increase sustainable consumption and food production could be successfully designed. To this end, it is necessary to better understand food systems, including the multitude of actors involved, and to identify critical points within the system. The assumption is that food systems have common intervention and entry points to enable transformation processes that are transferable but need to be adapted to the regional level. Thus, the following questions will be addressed:

- What are the common intervention and entry points within the food system to enable a transformation process towards resilient and sustainable food systems?
- How can pathways for increasing sustainable consumption and food production be successfully designed throughout the system?
- What are the reasons, motivations or drivers for actors to opt for the most sustainable solution?
- What are the intervention and entry points for developing, consolidating and disseminating improved organic food and farming, reducing waste and moving towards sustainable diets?
- What are the critical points for bringing these perspectives together in a systematic approach? This is done by mapping and analyzing five case territories (Copenhagen, Cilento, North Hesse, Warsaw, Kenitra).

Four perspectives have been adopted:

- System transition
- Evolution towards sustainable diets
- Improving organic food and farming
- Transdisciplinary waste reduction

This multiple transnational case study will involve a multi-stakeholder approach. SysOrg will result in improved and locally adapted strategies for the transformation of food systems across Europe and North Africa into sustainable, resilient and resource-efficient food systems with less environmental impact and high socio-cultural acceptance.



Race to Zero

Ibn Tofail University has joined the "Race to Zero for Universities and Colleges." This global initiative brings together higher education institutions from around the world committed to achieving carbon neutrality and contributing to a sustainable future for the planet.

The "Race to Zero for Universities and Colleges" is a campaign launched as part of the UN's "Race to Zero" initiative, which aims to mobilize key stakeholders in the fight against climate change. By joining this initiative, we commit to taking concrete actions to reduce our carbon emissions, improve our energy efficiency, and promote sustainability at all levels of our university.

Joining this race towards carbon neutrality connects us with a global network of universities and colleges that share our vision of a carbon-free world. This collaboration will allow us to benefit from best practices, knowledge, and expertise from global leaders in sustainability. We will also be able to share our own successes and contribute to the exchange of good practices within this global community.

Our membership in the "Race to Zero for Universities and Colleges" strengthens our commitment to sustainability and our responsibility towards future generations. We will continue to develop and implement initiatives aimed at reducing our carbon footprint, promoting climate change research, and educating citizens about environmental issues.

We invite all members of our university community to join us in this endeavor and contribute to achieving our sustainability goals. Whether you are a student, teacher, staff member, or researcher, you play a crucial role in the transition towards a carbon-free future.

Official Race to Zero Signatory

We are part of the Race to Zero and are leading the education sector for a healthy and resilient zero carbon recovery in the lead up to COP 26!



Clubs

Anir: A Wave of Change for a Cleaner Planet

Date: **23 November 2024**

Anir has always been committed to making a difference, and this Saturday, November 23, we are dedicating an entire day to the preservation of our precious coastline.

Our mission: to restore the natural beauty of our beach by removing waste and pollutants that threaten its purity and ecological balance. This action is not just about cleaning a beach; it's about protecting our planet and preserving it for future generations.

Why it matters:

Every piece of trash removed is a step toward a cleaner, healthier environment. Coastal pollution affects marine life, ecosystems, and even our health. By coming together as a community, we can create a **lasting impact** and inspire others to take action.

How you can help:

- **Join us** on November 23 for this cleanup campaign.
- Bring your enthusiasm, some gloves, and a love for nature!
- Together, we can turn small gestures into a big change.

Let's make waves for a better tomorrow. Be the wave of change!



Events

Outreach to Impact : Ibn Tofail University Champions Innovation and Sustainability

Partners: Ibn Tofail University – Private University of Fez – Innov Invest Fund – TAMWILCOM – IncubOost
From **December 27 to 29, 2024**, Ibn Tofail University achieved a remarkable milestone at the Smart Region Hackathon in Fez, competing alongside the brightest minds from across Morocco. The university's talented team emerged victorious with their groundbreaking project, "The Green Thumb" This innovative solution leverages cutting-edge technology to tackle key agricultural challenges, ensuring efficient resource use, enhancing food security, and addressing the impacts of climate change.

Revolutionizing Agriculture: The Green Thumb

"The Green Thumb" redefines sustainable farming by blending traditional practices with modern technology, paving the way for a smarter and more resilient agricultural sector in Morocco. The project's success highlights the ingenuity and commitment of Ibn Tofail University's students, who are prepared to shape the future of agriculture through innovation. The win reflects Ibn Tofail University's emphasis on hands-on learning and industry collaboration. With support from key partners like TAMWILCOM, Innov Invest Fund, and IncubOost, students gained valuable mentorship and resources to bring their vision to life. This collaborative approach strengthens the university's mission to bridge the gap between academia and real-world challenges.

Advancing Global Goals

This achievement underscores the university's dedication to sustainable development and innovation. By equipping students with the skills and opportunities to address global challenges, Ibn Tofail University continues to establish itself as a leader in sustainability and education.

Through initiatives like the Smart Region Hackathon, Ibn Tofail University not only celebrates the triumphs of its students but also reaffirms its role as a catalyst for meaningful change, shaping a brighter and more sustainable future for all.



Events

International Cooperation in Water Treatment with the Canadian Institution Cégep de Saint-Laurent

Partner : UIT – The Canadian institution Cégep de Saint-Laurent

Ibn Tofail University welcomed a delegation from the Canadian institution Cégep de Saint-Laurent as part of strengthening international cooperation in the field of water treatment.

The president of Ibn Tofail University consistently strives to establish new partnerships and collaborations, emphasizing sustainability as a core value. These initiatives not only align with the university's mission to address global challenges but also reinforce its position as a leader in sustainable development. By fostering international and interdisciplinary collaborations, Ibn Tofail University continues to expand its contributions to innovative research and practical solutions, ensuring a positive and lasting impact on both local and global communities.

Cégep de Saint-Laurent is a publicly funded post-secondary institution located in Montreal, Quebec, Canada. Established in 1968, it is part of Quebec's unique CEGEP system, which stands for Collège d'enseignement général et professionnel (College of General and Vocational Education). These institutions provide pre-university and technical programs that bridge secondary education and university or career entry.

Ibn Tofail University recently hosted a delegation from the Canadian institution Cégep de Saint-Laurent to further enhance their collaborative efforts in international academic and scientific cooperation. The visit focused on exchanging expertise, fostering joint research initiatives, and developing innovative solutions in the critical field of water treatment. This partnership aims to address global challenges related to water management and sustainability by combining the academic strengths and technical expertise of both institutions. Additionally, the collaboration is expected to facilitate student and faculty exchanges, workshops, and the implementation of advanced water treatment technologies.

Events

3rd International Congress on Corrosion Inhibitors and the Environment

Partners : CNRST – Servichim – BioLogic – Hassan II Academy of Sciences and Techniques – ENSAK – ESTK – LABO TEST – ENSCK- AMACOPE

The 3rd International Congress on Corrosion Inhibitors and the Environment was set to take place at Ibn Tofail University in Kenitra, Morocco, on **December 11-12, 2024**. This prestigious event was organised by the Laboratory of Organic Chemistry Catalysis and Environment (LCOCE) in collaboration with various partners from within and outside Ibn Tofail University. The event brought together leading researchers, scientists, engineers, and industry professionals to explore the latest advancements in corrosion inhibitors and their significant role in environmental sustainability.

Themes of the Congress

The congress addressed a variety of critical topics that intersect with environmental challenges, renewable energy, and material science. The key themes include:

- Corrosion Inhibitors: Formulation, Cooling Circulation, and Modeling

Experts delved into the formulation and application of corrosion inhibitors in industrial settings, particularly in cooling systems, and explore new modeling techniques for their effectiveness.

- Renewable Energy

In line with the global shift towards sustainable energy sources, discussions focused on the role of corrosion inhibitors in enhancing the efficiency and longevity of renewable energy systems, such as solar and wind energy.

- Materials and Their Applications

Advances in materials science and the development of innovative, corrosion-resistant materials were highlighted.

- Organic Compounds for Photonic and Optoelectronic Applications

The congress explored the emerging field of organic compounds and their potential in photonics and optoelectronics, with implications for the development of advanced technologies in communication and energy.

- Environment and Water Treatment

With a focus on environmental protection, the congress addressed the latest techniques in water treatment and management, particularly in relation to corrosion and its impact on water quality.

Importance of the Event

This congress presents an exceptional opportunity for professionals from various fields to exchange knowledge, foster collaborations, and discover solutions to global environmental and industrial challenges. The interdisciplinary nature of the event ensures a broad range of perspectives, helping to drive innovation and practical solutions to pressing issues related to corrosion, environmental protection, and sustainability.

With the esteemed Ibn Tofail University serving as the host institution, this event will take place in an academic environment that is rich in research and development. The congress promises to provide an inspiring platform for sharing cutting-edge research and ideas, as well as contributing to the advancement of both academic and industrial knowledge in the field of corrosion science.



Laboratoire de Chimie Organique
Catalyse et Environnement (LCOCE)

3^{ème} Congrès International
Inhibiteurs de Corrosion et Environnement
(C2ICE-2024)

Thèmes :

- ✓ Inhibiteurs de corrosion : Formulation, circuit de refroidissement et modélisation
- ✓ Energie renouvelable, matériaux et leurs applications
- ✓ Composés organiques pour applications photoniques et optoelectroniques
- ✓ Environnement et traitement des eaux

11 – 12 Décembre 2024
Kénitra, Maroc

La date limite d'envoi des résumés : 20/10/2024
Les bulletins d'inscription doivent être envoyés avec paiement avant : 15/11/2024
Prof. H. ERRAMLI

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Partners: Servichim, BioLogic, ENSAK, ESTK, LABO TEST, ENSCK, AMACOPE

Events

Harnessing Nature: Phytotherapy for Stress Relief and Cognitive Enhancement

In a world increasingly marked by stress and mental fatigue, many are turning to natural remedies for relief. Phytotherapy, the use of plant-based treatments, has emerged as a promising solution. Researchers at Ibn Tofail University in Kenitra have recently conducted a groundbreaking study, presented on **October 1, 2024**, exploring the potential of herbal remedies in alleviating mild stress and improving cognitive performance.

The Science Behind Phytotherapy

Phytotherapy involves harnessing the therapeutic properties of plants to support physical and mental health. Unlike synthetic medications, herbal remedies often have fewer side effects and can provide holistic benefits. With stress and cognitive challenges becoming global concerns, the potential of medicinal plants is garnering significant scientific interest.

The Researchers and Their Mission

A dedicated team of experts—Imane Kherrab, Miloud Chakit, Amina Ez-Znafry, Abdelhalem Mesfioui, and Aboubaker Elhessni—led this study with a clear vision: to offer natural, effective alternatives to conventional treatments for stress and cognitive impairments. Their work focused on plants known for their calming and brain-boosting properties, aiming to validate these remedies through rigorous scientific methods.

Looking Ahead

The research team from Ibn Tofail University hopes their work will inspire further studies and investments in phytotherapy. Beyond stress management, medicinal plants hold potential for addressing a range of health issues, from insomnia to chronic fatigue and beyond.

The official presentation of these findings, held on October 1, 2024, marks a pivotal moment in the field of natural medicine.

The event, hosted at Ibn Tofail University, promises to spark discussions and collaborations among researchers, healthcare professionals, and the public.

Conclusion

As society grapples with the pressures of modern life, turning to nature for solutions feels both intuitive and innovative. The work of these researchers reminds us of the untapped potential of plants, urging us to explore and embrace their benefits for a healthier, more balanced life.



موعد مع الإبداع العلمي

RDV avec l'Innovation Scientifique

جامعة ابن طفيل
Ibn Tofail University

إيمان خزاب وميلود الشاكايت وأمينة الزنفرى وعبد
العليم المسفيوي وأبو بكر الحسني، الباحثون
بجامعة ابن طفيل بالقنيطرة، يكتشفون إمكانية
علاج التوتر الخفيف و تعزيز الأداء الإدراكي
للبروبوليس المستخرج من نبتة "الفربيون الراتنجي".

Events

Workshop for Master Students in Digital Marketing

Partners : UIT – SNRT

In an inspiring step toward academic collaboration and youth empowerment, the National Broadcasting and Television Company (SNRT) teamed up with Ibn Tofail University to deliver an immersive workshop for students enrolled in the university's Modern Media and Digital Photography Program. This event provided participants with invaluable, hands-on experience to bridge the gap between classroom learning and real-world media industry demands.

Bridging Academia and the Media World

This interactive workshop combined practical training with real-world insights, offering students the chance to :

- **Master TV Report Creation:** From concept development to execution, participants honed their skills in crafting professional-grade television reports.
- **Capture Cultural Narratives :** The session explored the art of covering cultural activities, empowering students to create compelling stories that celebrate heritage and identity.
- **Engage with Industry Experts :** Students interacted with seasoned media professionals, fostering a spirit of collaboration and mentorship while gaining first-hand knowledge of the industry's challenges and opportunities.

This initiative reinforced the shared commitment of academia and the media industry to prepare the next generation of professionals with the skills and confidence needed to excel.

Inspiring Professional Growth and Integrity

Mr. Mohamed Tahzima, Communication Officer at SNRT, highlighted the transformative impact of the workshop. "This is more than just a training session; it's a platform that bridges theoretical knowledge with practical expertise," he remarked. "By immersing students in the real-world aspects of media production, we're preparing them to thrive in a dynamic and demanding industry."

Building a Better Future

The workshop left a lasting impression on its participants, equipping them with not only technical expertise but also a renewed sense of purpose and direction. Through this collaboration, SNRT and Ibn Tofail University demonstrated the immense potential of partnerships in shaping a brighter, more sustainable future for the media industry and its next generation of leaders.



Events

Global Excellence and Water Sovereignty: Ibn Tofail University's Leadership in Scientific Research and Climate Action

Event : 3 December 2025

A Convergence of Innovation

Morocco's higher education and scientific research landscape is witnessing a transformative era, marked by international accolades and the hosting of high-level global policy forums. At the heart of this evolution is Ibn Tofail University (UIT), which recently achieved historic success on the global stage. This academic momentum coincides with the upcoming XIX World Water Congress, set to take place in Marrakech from December 1–5, 2025. Both milestones, held under the High Patronage of His Majesty King Mohammed VI, underscore Morocco's commitment to a "knowledge-based society" and its role as a global leader in addressing the challenges of a changing world.

Global Scientific Leadership and Academic Achievement

Ibn Tofail University has solidified its reputation for world-class research through the outstanding performance of its students at the Early Career Lightning Talk and Global Networking Event. Zakaria Dahbi, an elite researcher from the M2IA (Master in Artificial Intelligence) program, secured the Golden Award in a highly competitive poster competition.

Competing against 71 prestigious international entries, Dahbi's work earned UIT a shared #1 global ranking with institutions from the United States. The success was further amplified by a collective sweep of the podium:

- Golden Award awarded to Shamali Rewari and to Zakaria Dahbi from Ibn Tofail university
- Silver Award awarded to Jihane Briji and Sabir Oussaoui

These honors demonstrate the effectiveness of the Moroccan university system in fostering innovation, particularly in the realm of Artificial Intelligence and digital discourse. By achieving parity with the world's leading scientific powerhouses, UIT has provided a powerful motivation for the entire academic community and enhanced the visibility of Moroccan scholars internationally.

The XIX World Water Congress – Innovation and Adaptation

While UIT leads in digital innovation, Morocco is also preparing to serve as the "world's water capital." Co-hosted by the International Water Resources Association (IWRA) and the Ministry of Equipment and Water, the XIX World Water Congress will convene under the theme "Water in a Changing World: Innovation and Adaptation."



Events

The Congress aims to address the dynamic interconnections between natural ecosystems, energy, agriculture, and human activities. In the face of climate change and political upheavals, the event highlights the necessity of resilient infrastructure and smart governance. The discussions will be organized around seven critical thematic pillars:

1. Governance & Financing: Planning during periods of uncertainty.
2. The WEFE Nexus: The vital link between Water, Energy, Food, and Ecosystems.
3. Security & Risk: Managing water-related hazards.
4. Smart Future: Driving innovation through technology.
5. Groundwater: Navigating challenges and opportunities.
6. Sustainable Development: Water as a driver for the 2030 Agenda.
7. One Health: Integrating water quality and public health.

Bridging Research and Global Sustainability Goals

The synergy between student achievement in AI and the strategic themes of the World Water Congress reflects a broader alignment with the United Nations Sustainable Development Goals (SDGs). The university's success in AI research directly fuels SDG 9 (Industry, Innovation, and Infrastructure), while the upcoming Congress in Marrakech is a central pillar for SDG 6 (Clean Water and Sanitation).

The Congress serves as a call for Global Partnership (SDG 17), inviting governments, private sectors, and youth leaders to contribute to a legacy of water security. By encouraging interdisciplinary and cross-thematic proposals, the event seeks to break traditional silos and pave the way for sustainable, long-term solutions.

A Vision for the Future

The achievements of Ibn Tofail University's researchers and the high-level convening power of the XIX World Water Congress illustrate Morocco's dual-track success in academic excellence and environmental leadership. Under the royal vision, these initiatives ensure that Morocco remains at the forefront of global scientific and humanitarian efforts, proving that the next generation of scientific leaders is ready to solve the most pressing challenges of our time.



Events

Climate, Environment, and Health: Scientific Dialogue for Sustainable and Inclusive Territories

From **November 27 to 29, 2025**, the Faculty of Sciences at Ibn Tofail University hosted the 3rd edition of the Scientific Days of the Environment, an international conference held in Kenitra and at the Exotic Gardens of Rabat. Organized under the theme "Climate, Environment and Health: For Sustainable, Green and Inclusive Territorial Development," the event brought together researchers, academics, experts, and practitioners to engage in collective reflection on the environmental and health challenges shaping contemporary societies.

The conference highlighted the growing interconnection between climate change, environmental conditions, and human health, particularly within local and regional contexts. Scientific discussions highlighted how climate variability, environmental degradation, and pollution are directly influencing ecosystems, living conditions, and public health. Through these exchanges, the event emphasized the urgent need to rethink development pathways in a way that balances environmental protection with social well-being.

Throughout the sessions, participants explored environmental challenges such as the degradation of natural resources, waste accumulation, ecosystem vulnerability, and environmental risks affecting communities. These issues were examined not only from a scientific standpoint, but also through their concrete implications for territories and populations. The discussions underscored the importance of sustainable management of water, soil, and natural ecosystems, as well as the preservation of fragile environments, including coastal and terrestrial areas.

A defining strength of this third edition was the interactive dimension of the conference. The event fostered open dialogue between researchers, professionals, and institutional actors, enabling the exchange of experiences and perspectives across disciplines. These interactions allowed participants to connect scientific research with real environmental challenges, encouraging thoughtful discussion on how knowledge can support territorial planning, environmental governance, and informed decision-making.



Events

Distinction for Ibn Tofail University Students in National Innovation Competition

On **23 September 2025**, students from the Master of Excellence in Artificial Intelligence and Connected Objects (Centre of Excellence in Automotive and Aeronautics, Faculty of Sciences) at Ibn Tofail University achieved a remarkable success by winning the prestigious Innovation Award granted by Boeing during the national Company Program 2024-2025 competition organized by INJAZ Al-Maghrib in Casablanca. This achievement highlights the exceptional talent, creativity, and dedication of our students in the fields of AI and connected technologies.

Following their outstanding performance, on 26 September 2025, a celebratory meeting was held at Ibn Tofail University with the distinguished students: Mouad Azentar, Houssam Jardini, and Mamadou Ly. The session, led by the university's administration, recognized their accomplishment and celebrated their contribution to raising the university's profile nationally and internationally.



Events

“The Butterfly Effect” of Hult Prize at Ibn Tofail University

On **October 24, 2024**, the University Theater at Ibn Tofail University witnessed an extraordinary gathering that celebrated the transformative power of social entrepreneurship. The event, organized by the Hult Prize Ibn Tofail University, embodied the theme “The Butterfly Effect,” highlighting how small actions, when aligned with a vision for positive change, can ripple outwards to create significant and lasting impacts.

This remarkable occasion brought together students, faculty, and guest speakers for an inspiring exchange of ideas, success stories, and reflections. Though the initiative itself was not organized solely by the Hult Prize team, their role in facilitating the event showcased the collective spirit of collaboration, a cornerstone of initiatives that drive sustainable development, strengthen communities, and uplift society as a whole.

A Theme That Resonates: The Butterfly Effect

The choice of the theme, “The Butterfly Effect,” was particularly poignant. It underscored the idea that even seemingly small efforts can lead to profound changes over time, particularly in the realm of social entrepreneurship. The event was a celebration of this principle, offering participants a space to explore how individuals and communities can harness their potential to address societal challenges, inspire innovation, and foster solidarity.



The symbolism of the butterfly effect was reflected in every aspect of the event, from the selection of speakers to the stories they shared. Each narrative served as a testament to the power of human agency and the far-reaching impact of actions rooted in empathy and purpose.

Exceptional Speakers, Inspiring Stories

The highlight of the event was undoubtedly the presence of four distinguished speakers who shared their journeys and insights, leaving a lasting impression on all who attended:

- Samia GHMIMED and Lahcen EL MEJDOUBI, seasoned Hult Prize members, offered valuable perspectives from their personal experiences. They spoke about the challenges and triumphs they encountered while working on projects aimed at driving social impact, emphasizing the importance of perseverance, creativity, and teamwork.
- The remaining two speakers delved into the broader impact of social entrepreneurship, focusing on how it transforms communities and fosters sustainable solutions to pressing issues. They shared inspiring anecdotes about ventures that started small but grew to address challenges such as poverty, education, and environmental sustainability.

Through their stories, the speakers illustrated the interconnectedness of individual actions and collective outcomes, urging the audience to recognize their capacity to make meaningful contributions to the world around them.

A Collective Effort for a Better Future

The event itself was a testament to the power of teamwork and shared purpose. Although the Hult Prize Ibn Tofail University chapter played a key role in organizing the occasion, the success of the event was made possible by the collaborative efforts of various individuals and organizations. From coordinating logistics to engaging participants and securing the involvement of high-profile speakers, every aspect of the event reflected a deep commitment to collective action and shared values.

Events

The involvement of students, who eagerly participated as attendees and volunteers, was particularly noteworthy. Their enthusiasm and engagement demonstrated the profound impact such initiatives have on shaping young minds and fostering a culture of collaboration, innovation, and social responsibility.

Empowering Students to Create Change

One of the most significant outcomes of the event was its effect on the students who attended. The stories and insights shared by the speakers resonated deeply, inspiring participants to envision their own role in creating positive social change. Many students left the event with a renewed sense of purpose and a determination to explore opportunities for social entrepreneurship within their own communities.

The interactive nature of the event, which included Q&A sessions and networking opportunities, further enriched the experience. Students had the chance to connect with the speakers, ask questions, and gain valuable guidance on how to translate their ideas into action. This engagement not only reinforced the event's message but also provided a tangible pathway for attendees to begin their journeys as changemakers.

The Broader Impact: A Legacy of Solidarity

The Hult Prize Ibn Tofail University event was more than just a gathering of inspiring stories and ideas; it was a catalyst for change, emphasizing the importance of solidarity, collective effort, and sustainable development. By highlighting the transformative potential of social entrepreneurship, the event reinforced the idea that addressing global challenges requires collaboration, empathy, and a commitment to shared values.

Moreover, the event demonstrated the importance of creating spaces where individuals can come together to exchange ideas, learn from one another, and build networks that drive innovation and impact. In doing so, it contributed to a legacy of empowerment and community-building that will continue to resonate within the university and beyond.

Looking Ahead: A Call to Action

As the event concluded, the atmosphere was filled with a sense of hope and anticipation for the future. Participants left inspired to take their first steps toward making a difference, armed with the knowledge, skills, and confidence to turn their ideas into reality.

The stories shared during the event served as a powerful reminder that change begins with individuals who dare to dream and act, no matter how small their initial steps may seem. The Hult Prize Ibn Tofail University team, along with its collaborators, succeeded in igniting this spark within their community, paving the way for a brighter, more inclusive future.

The ripple effects of this event, much like the butterfly effect itself, will undoubtedly continue to unfold, inspiring new initiatives, fostering solidarity, and contributing to the ongoing journey of social and sustainable development.

Events

Ibn Tofail University Students Shine at the Rabat National University Film Festival



28 – 30 May 2025

The Grand Prize was awarded to the short film “وصايا قط جائع” (“Instructions from a Hungry Cat”), co-directed by four master’s students from the Scriptwriting and Directing program at the Media and Communication Center: Houssam Loukili, Mohammed Oulhaj, Salah Eddine Belboudali, and Aya Jabrane.

Additionally, Nabila Edou Jdid, also a master’s student, received the Best Directing Award for her animated film “عويينة لعقيق” (“Aouina Laaqq”), which shared the prize with “Card Game” by Souhail El Youkadi.

From the Creative Writing and Cinema Excellence Program, student Hiba El Watiq earned a Special Jury Mention, while several other students presented previously showcased films most notably “طيف زماكان” (“Zamakan’s Ghost”) by Karim Tajouaout, acclaimed for its exceptional writing and direction.

These awards highlight Ibn Tofail University’s dedication to nurturing creative talent and promoting artistic excellence within its academic community through the Media and Communication Center.

Events

Empowering Rural Entrepreneurship: Innovation Camp at Ibn Tofail University



Partners : INJAZ AL MAGHRIB – CREDIT AGRICOLE DU MAROC – IBN TOFAIL UNIVERSITY

On December 2, 2025, at 2:00 PM, the Code 212 Center at Ibn Tofail University will host an ambitious Innovation Camp. Organized in partnership with Injaz Al-Maghrib and Crédit Agricole du Maroc, this event is designed to harness the creative energy of students to solve real-world financial challenges using cutting-edge technology.

The central challenge of the camp focuses on a critical pillar of the Moroccan economy: the rural entrepreneur. Participants are tasked with developing strategies for how Crédit Agricole du Maroc can leverage Artificial Intelligence (AI) to analyze the behaviors of rural business owners. The goal is to design personalized financial solutions that not only meet banking needs but also maximize the social and economic impact within rural communities.

This initiative aligns perfectly with the university's mission to bridge the gap between academic learning and professional practice. By placing students at the heart of the "FinTech" revolution, the camp encourages them to think critically about data ethics, predictive modeling, and the unique socio-economic landscape of the Moroccan countryside.

To incentivize high-level innovation, the organizers have announced a special prize for the winning team. This reward recognizes the most feasible, impactful, and innovative AI-driven solution, providing the winners with a significant boost to their professional and entrepreneurial profiles.

Beyond the competition, this event serves as a platform for networking and mentorship. Students will have the opportunity to interact with experts from the banking sector and entrepreneurship coaches, fostering a spirit of leadership and social responsibility. This Innovation Camp represents a vital step toward creating a more inclusive and technologically advanced financial future for Morocco.



Events

Ibn Tofail University's Higher School of Technology Hosts an International Conference on Future Food Supply Chains



Event : 18 December 2025

The Higher School of Technology of Kenitra (EST-K) at Ibn Tofail University was pleased to host Dr. Daniel Onwude, affiliated with Digital for Planet (Switzerland) and the University of Guelph (Canada), for a scientific conference entitled "Redesigning Future Food Supply Chains via Simulations and Sensing", held on Thursday, December 18, 2025, at 3:00 PM at the EST-K.

This conference was part of the lecture series on physical modeling of food, aimed at promoting applied research and innovation in the fields of AgriTech and food systems engineering. During his presentation, Dr. Onwude highlighted the critical role of advanced simulation tools and sensing technologies in redesigning future food supply chains, addressing key challenges such as process optimization, loss reduction, traceability, resilience, and sustainability.

Through this event, Ibn Tofail University reaffirmed its commitment to research excellence, international openness, and knowledge exchange with leading global institutions. The conference provided students, faculty members, and researchers with a valuable opportunity to engage in high-level scientific discussions on emerging technologies shaping the future of food systems, further strengthening the position of the Higher School of Technology as a hub for innovation and sustainable development.

This conference aligns closely with the United Nations Sustainable Development Goals, particularly Zero Hunger by addressing innovation in food supply chains to improve food availability, efficiency, and resilience. It also contributes to Industry, Innovation and Infrastructure through the use of advanced simulations and sensing technologies to modernize agri-food systems, and Responsible Consumption and Production by promoting strategies that reduce food loss and enhance sustainability across the supply chain. Through international research collaboration, the event further supports Partnerships for the Goals, reinforcing global cooperation in advancing sustainable and technology-driven food systems.

Events

Ibn Tofail University Hosts Distinguished Keynote Lecture on Food Physics and Modeling by Prof. Ashim K. Datta (Cornell University, USA)



Ibn Tofail University is honored to welcome Professor Dr. Ashim K. Datta from the prestigious Cornell University, USA, for an exceptional keynote lectureship. Prof. Datta, a leading expert in food physics, multicomponent transport, and biomaterials modeling, will deliver a lecture entitled “Food Physics & Modeling: Why and How”, providing an extraordinary opportunity for scientific exchange and learning on campus.

Scheduled for Wednesday, December 17, 2025, at 3:30 p.m. Moroccan time (9:30 a.m. New York time), the lecture will take place at EST-K, Ibn Tofail University, Kénitra. The event will bring together students, researchers, and faculty members from the Agrifood Biotechnology and Valorization of Agro-Resources Bachelor program and beyond, fostering academic dialogue and inspiring future research initiatives.

Prof. Datta’s research focuses on the physics of multicomponent, multiphase transport with deformation in porous media, with applications in biomaterials and food systems. His innovative teaching methods, including problem-solving approaches, active learning, and simulation-based learning, will provide participants with valuable insights into both the theory and practical applications of food modeling.

This keynote lecture directly contributes to Zero Hunger by advancing scientific knowledge and research in food physics and modeling, which are essential for improving food production, safety, and sustainability. By exploring innovative approaches to understand and optimize food systems, the event supports evidence-based solutions to global food challenges. At the same time, the collaboration with Cornell University highlights Partnerships for the Goals, showcasing the importance of international academic cooperation in fostering knowledge exchange, capacity building, and joint research initiatives that strengthen the global scientific community.

This event exemplifies Ibn Tofail University’s commitment to high-level scientific research, international collaboration, and the development of sustainable food systems, reinforcing its role as a hub for innovation, education, and cross-border academic partners.

Events

Food Science Research in Action: A Joint Moroccan–Tunisian Academic Workshop



Ibn Tofail University of Kénitra (EST Kénitra), in collaboration with the University of Sfax (ISBS), organized the second edition of their joint academic workshop entitled “Food’s Physical Modeling.” This initiative reflects a shared commitment to advancing scientific research that supports Sustainable Development Goal 2 (Zero Hunger) by promoting innovation, scientific rigor, and sustainable solutions related to food systems and food quality.

Held on Wednesday, December 10, 2025 at 12:30 p.m., at the Amphi Rouge of EST–Kénitra, the workshop brought together doctoral candidates, researchers, and students from both institutions. The event provided a high-level academic platform for participants to present their research findings, exchange methodological approaches, and engage in scholarly dialogue. In this respect, the workshop strongly contributed to SDG 4 – Quality Education by enhancing advanced learning opportunities, research skills, and academic excellence among young researchers.

Beyond the scientific sessions, the workshop reinforced international academic cooperation between Morocco and Tunisia. The joint organization by Ibn Tofail University and the University of Sfax exemplified effective institutional collaboration and knowledge sharing, aligning with SDG 17 – Partnerships for the Goals. By fostering cross-border research networks and supporting capacity building in food-related sciences, this second edition highlighted the strategic role of universities in advancing sustainable development through education, research, and international partnerships.

The second edition of the Food’s Physical Modeling workshop marked a significant milestone in strengthening academic cooperation between Ibn Tofail University and the University of Sfax. By providing a dynamic platform for doctoral students and researchers to share knowledge and present innovative research, the event reinforced the role of higher education in advancing SDG 2 through scientific inquiry and sustainable food research. Moreover, the workshop effectively contributed to SDG 4 by enhancing research skills and academic engagement, while embodying SDG 17 through strong Moroccan–Tunisian collaboration. This successful edition lays a solid foundation for future joint initiatives aimed at addressing global challenges through education, research, and international partnership.

Events

Ibn Tofail University Participates in International Workshop on Advancing Sustainability in Higher Education at Atatürk University, Erzurum, Turkey

Event : 8-10 September, 2025

From September 8 to 10, 2025, Atatürk University in Erzurum, Turkey, hosted an international workshop dedicated to promoting sustainability in higher education institutions. The event brought together university leaders, researchers, and students from across different countries to share innovative approaches and successful practices that advance the global sustainability agenda within academia.

The objective of the workshop was to encourage concrete actions that strengthen sustainability efforts in universities. It provided a collaborative platform for participants to exchange experiences, develop partnerships, and identify new strategies to integrate sustainability into teaching, research, campus management, and community engagement. By fostering cooperation between institutions, the workshop aimed to accelerate the transition towards greener, more sustainable higher education systems, in alignment with the United Nations Sustainable Development Goals, particularly Quality Education, Responsible Consumption and Production, Climate Action, and Partnerships for the Goals.

08-10 September 2025, Erzurum, Türkiye

International Cooperation, Globalization and Sustainable Development Goals Workshop



Representing Ibn Tofail University (Kenitra, Morocco), Prof. Saida El Mendili, Director of the Scientific Production Support Center, participated actively in the discussions and exchanges. Her participation underscored the university's strong commitment to sustainability, innovation, and international collaboration. Through its ongoing environmental initiatives and sustainable campus development projects, Ibn Tofail University continues to position itself as a key regional actor in advancing the global sustainability agenda.



Events

Ibn Tofail University Participates in International Workshop on Advancing Sustainability in Higher Education at Atatürk University, Erzurum, Turkey



The workshop concluded with a shared vision among participants to continue building stronger partnerships, enhance institutional practices, and promote sustainability-oriented education that prepares future generations to lead the transformation toward a more sustainable world.

Events

From Dialogue to Action: Ibn Tofail University as a Case Study at the Erasmus+ National Seminar on SDGs

9– 10 October 2025

Sustainable development is no longer a distant objective discussed in policy documents alone; it has become a shared responsibility that universities are increasingly called upon to translate into action. In this spirit, the Erasmus+ National Office Morocco, in collaboration with the Ministry of Higher Education, Scientific Research and Innovation, organized the national seminar “Sustainable Development Goals and Climate Change: What Role for Higher Education ?”, held online on 9–10 October 2025. The event brought together Moroccan and European experts around a common question: how can higher education meaningfully contribute to building a more sustainable and resilient future ?

Conceived as a space for dialogue, reflection, and assessment, the seminar responded to a national context marked by profound reforms in education, research, and sustainable development. These reforms, anchored in Morocco’s New Model of Development, the Strategic Vision for Education 2015–2030, and the evolving legal framework governing higher education, position universities as central actors in promoting inclusion, innovation, and environmental responsibility. The seminar thus provided a timely opportunity to examine how these orientations can be translated into concrete institutional practices.

Over two days of exchange, the seminar featured 14 thematic panel sessions and gathered more than 220 participants from across the higher education ecosystem. Discussions addressed the integration of the Sustainable Development Goals into university missions, comparative international experiences, tools for measuring impact, sustainable campus development, governance models, and the role of research and innovation in responding to climate challenges. Beyond formal presentations, the seminar functioned as a collective learning space where experiences were shared, questioned, and enriched.

The diversity of participants, university leaders, senior ministry officials, vocational training representatives, sustainability experts, Erasmus+ project coordinators, researchers, members of the HERE–Morocco network, and doctoral students contributed to the depth of the dialogue. This plurality of perspectives allowed for a comprehensive reading of both achievements and challenges, reinforcing the idea that sustainable development in higher education requires coordinated and long-term commitment.



Events

Ibn Tofail University Strengthens Global Presence at the “Dialog” Forum in Vladimir, Russia

28th July 2025

Ibn Tofail University continues to reinforce its international engagement through its active participation in the “Dialog” Forum, held in the city of Vladimir, Russia. This prestigious event brought together researchers and representatives from more than ten countries, including China, India, Azerbaijan, and Belarus, creating a diverse and dynamic platform for scientific exchange and global dialogue.

During the forum, discussions centered on key global concerns that require collective action and shared expertise. The main themes included:

- Global climate challenges and the urgency of adapting to environmental transformations;
- Sustainable environmental solutions, with an emphasis on innovative, science-based approaches;
- Strengthening scientific partnerships between countries of the North, South, and East, highlighting the importance of international cooperation for sustainable development.

Ibn Tofail University’s participation reflects its strategic commitment to international collaboration, knowledge exchange, and contribution to global scientific debates. Representing Morocco with distinction, the university showcased its research expertise and its dedication to addressing some of the world’s most pressing environmental and developmental challenges.

This engagement reaffirms Ibn Tofail University’s vision of building meaningful global connections and solidifying its role as a key academic actor on the international stage.

This international participation also strongly aligns with several Sustainable Development Goals (SDGs). The discussions on global climate challenges directly support Climate Action, highlighting the urgency of scientific contributions to environmental resilience. The exploration of sustainable environmental solutions reflects the principles of Affordable and Clean Energy, as many proposed pathways rely on clean and efficient technologies. Most importantly, the event embodies Partnerships for the Goals, as it fosters meaningful collaboration between researchers and institutions from more than ten countries across the North, South, and East. Through this engagement, Ibn Tofail University reinforces its commitment to advancing international cooperation and contributing actively to global sustainable development efforts.



Events

Ibn Tofail University Empowers Future Entrepreneurs Through Design Thinking Workshop

In line with its commitment to fostering innovation and entrepreneurial skills among students, Code212 of Ibn Tofail University, in collaboration with C.School of Cluj, organized a two-day workshop entitled “Introduction to Design Thinking for Wanna-be Entrepreneurs” on December 16 and 17, 2025, at Code212, Ibn Tofail University – Kenitra. The workshop targeted aspiring student entrepreneurs eager to transform ideas into impactful business solutions.

The workshop was led by Paula Beudean, CEO and founder of C.School for Creative Acts in Cluj, Romania, who brought her extensive expertise in creative confidence, entrepreneurship, and human-centered design to the Ibn Tofail University community. Through a hands-on and interactive approach, participants explored the fundamentals of design thinking, focusing on idea generation, creative problem-solving, empathy-driven innovation, and experimentation. The sessions encouraged students to think boldly, collaborate effectively, and design solutions that respond to real-world challenges.

This initiative reflects the strong spirit of international academic exchange between Romania and Morocco and highlights Ibn Tofail University's strategic vision to equip students with future-ready skills in entrepreneurship, innovation, and startups. By bridging theory and practice, the workshop offered participants practical tools to build businesses from ideas to impact. At the end of the program, participants received certificates of participation, marking an important step in their entrepreneurial journey and reinforcing the university's role as a catalyst for innovation and creative learning.

This workshop directly contributes to the achievement of the United Nations Sustainable Development Goals, particularly Quality Education, by promoting experiential, skills-based learning and innovative pedagogical approaches that enhance students' creative and entrepreneurial capacities. It also supports Decent Work and Economic Growth by equipping aspiring entrepreneurs with practical tools to develop startups, foster employability, and create sustainable economic opportunities. Furthermore, the international collaboration between Ibn Tofail University and C.School of Cluj advances Partnerships for the Goals by strengthening cross-border academic exchange and knowledge sharing in entrepreneurship and innovation.



Events

ICMES 2025: One Stage, Two Victories, Endless Horizons for Ibn Tofail University

Partner : Laboratory of Physico-Chemistry of Materials and Surfaces, Ibn Tofail University– Mohammed First University

12–15 June 2025

In a time when scientific research is increasingly expected to address global challenges, the Laboratory of Physico-Chemistry of Materials and Surfaces (LPMS) at Ibn Tofail University has brought forward a meaningful contribution. During the 8th International Conference on Materials and Environmental Science (ICMES 2025), held from June 12 to 15 in Saïdia, Morocco, two members of the LPMS research team were honored with Best Oral Presentation Awards. These accolades not only reflect the university's growing presence in international scientific forums but also underscore its alignment with sustainability-oriented research and innovation.



Held annually, ICMES serves as a premier platform for interdisciplinary dialogue on the future of materials, environmental technologies, and clean energy systems. The 2025 edition gathered scientists, engineers, doctoral students, and innovators from across the globe under the theme: “Green Hydrogen: Water, Materials and Technologies of the Future.” The conference encouraged exchanges on cutting-edge research in green hydrogen, advanced nanomaterials, sustainable water systems, and eco-compatible technological applications. ICMES 2025 positioned itself not merely as a scientific meeting but as a strategic convergence point for knowledge, responsibility, and impact-driven research.

Within this international setting, LPMS's performance stood out through the outstanding contributions of both a senior and an emerging researcher. Professor Khalid Nouneh was awarded for his presentation titled “Controlled deposition of nanostructured hierarchical silver nanowire and macroporous geopolymer for sensing and energy application.” His research introduced a pioneering approach for developing hybrid materials that combine structural efficiency with functional responsiveness, using low-impact processes. The integration of silver nanowires within a geopolymeric matrix is especially relevant for creating sustainable devices used in energy storage and environmental sensing; technologies increasingly vital in the transition toward cleaner systems.

Events

Equally remarkable was the recognition received by Hafsa Diyagh, a doctoral researcher supervised by Prof. Nouneh. Her presentation, also awarded as best oral communication, reflected not only scientific clarity and technical depth but also a strong ability to communicate complex findings to a multidisciplinary audience. Her work, situated within the same scientific vision, illustrates the quality of training and mentorship at Ibn Tofail University. It also reinforces the role of young researchers as key contributors to national and international scientific efforts, particularly in fields related to green innovation.

These achievements are not isolated; they are indicative of a broader institutional strategy that positions research as both a tool for knowledge creation and a means of responding to environmental and societal priorities. LPMS's work falls in line with global sustainability goals, particularly in the development of materials with reduced environmental footprints and the exploration of technologies that enable cleaner production and consumption. The awarded studies reflect a shared commitment to research that is not only theoretically robust but also practically meaningful and environmentally conscious.

Moreover, the recognition at ICMES 2025 carries significance for the university as a whole. It confirms Ibn Tofail University's capacity to produce high-level scientific outputs while nurturing a research culture based on collaboration, integrity, and purpose. The Faculty of Sciences in Kenitra, in particular, is emerging as a center of excellence in applied sciences, with a focus on solutions that bridge research and reality. The presence of its researchers on international platforms amplifies the visibility of Moroccan academic institutions and strengthens their contribution to the global scientific dialogue.

Looking ahead, this recognition serves as both a milestone and a motivator. Ibn Tofail University is determined to build on this momentum by encouraging interdisciplinary projects, expanding its international partnerships, and continuing to support the intellectual growth of its academic community. By investing in research that intersects with environmental needs, the university reaffirms its commitment to science with a purpose; science that informs, inspires, and transforms.



Events

ICMES 2025: One Stage, Two Victories, Endless Horizons for Ibn Tofail University

25th October 2025

Some academic events inform. Others connect. A few succeed in doing both. The international symposium “Morocco–Korea Cooperation: A Lever for Afro–Asian Development,” held on October 25, 2025, belongs to the latter category. Hosted by the Faculty of Economics and Management and organized by the Economics and Public Policy Laboratory (LSEPP), the symposium transformed the university space into a place of encounter between regions, disciplines, and ways of thinking.

Rather than approaching cooperation as a theoretical ambition, the symposium treated it as an intellectual practice. From the opening session, the focus was clear: development gains meaning when it is examined through comparison, dialogue, and shared inquiry. The plenary discussions brought together Moroccan and Korean academic perspectives to reflect on public policy, governance, and international cooperation, not as parallel experiences, but as intersecting trajectories capable of enriching one another.

As the day unfolded, this spirit of exchange extended into a dense and carefully structured academic program. The afternoon sessions offered a wide-ranging exploration of issues shaping Afro–Asian development today. Scholars examined economic transitions, governance frameworks, innovation systems, competitiveness, education, health policies, and climate-related challenges through comparative lenses. What unified these discussions was not a single conclusion, but a shared method: understanding complexity by confronting difference.

The diversity of topics reflected a central conviction that development cannot be reduced to one sector or one model. Economic diplomacy was discussed alongside human capital formation; innovation and digital transformation were analyzed together with institutional governance; education and public health were considered as strategic pillars of long-term resilience. In this way, the symposium resisted simplification and instead embraced the layered realities of contemporary development paths.

Yet the value of the symposium did not reside solely in its academic density. It also lay in the quality of interaction it fostered. Presentations were followed by discussion, debate, and exchange, allowing ideas to circulate rather than remain confined to papers. Researchers, doctoral students, and senior academics engaged in a shared intellectual rhythm, where listening was as important as speaking. Cooperation, here, was not declared; it was practiced.

This human dimension gave the event its distinctive character. By bringing together scholars from different regions and academic traditions, the symposium highlighted the role of universities as spaces where global challenges can be approached collectively, without erasing context or difference. It reaffirmed that Afro–Asian cooperation is not built through uniformity, but through respectful engagement and mutual learning.

In hosting this symposium, the university reaffirmed its commitment to international academic openness and research-driven dialogue. The event demonstrated how higher education institutions contribute to development not only by producing knowledge, but by creating the conditions for ideas to meet, confront one another, and evolve.

As the symposium concluded, it left behind more than a program of sessions. It offered a shared understanding: when cooperation is grounded in research, dialogue, and human exchange, it becomes a durable lever for development. In a world often divided by difference, this academic encounter showed that difference, when approached through dialogue, can become a source of collective insight and shared progress.



Events

Electricity Production Through Renewable Energy

These projects are part of a larger Renewable Energy and Energy Efficiency project launched and sponsored by the university president, with the aim of reducing the university campus energy bill by 80%.

- **Shade structure 1**

Location: The parking lot in front of the presidency office building

Type: Self-consumption with electromobility charging stations for ten electric bicycles and two electric cars.

Photovoltaic power installed: 21kWp

Estimated average daily photovoltaic production: 94 kWh

Average monthly savings on electricity bills for the building it is connected to: 3200 Dhs

Average monthly CO2 reduction: 1,49 Tonnes

Total estimated photovoltaic production: 206 MWh



- **Shade structure 2**

Location : The parking lot in front of the Faculty of Sciences

Type : Self-consumption

Photovoltaic power installed: 60kWp

Estimated average daily photovoltaic production: 270 kWh

Average monthly savings on electricity bills for the building it is connected to: 9100 Dhs

Average monthly CO2 reduction: 4,29 Tonnes

Estimation totale de la production photovoltaïque : 493 MWh



Events

• Shade structure 3

Location : The parking lot in front of the Centre for Continuing Education

Type : Self-consumption

Photovoltaic power installed: 35kWp

Estimated average daily photovoltaic production: 157 kWh

Average monthly savings on electricity bills for the building it is connected to: 5500 Dhs

Average monthly CO2 reduction: 2,49 Tonnes

Total estimated photovoltaic production: 229 MWh



• Shade structure 4

Location : The Faculty of Lettres and Human Sciences parking lot

Type : Self-consumption

Photovoltaic power installed: 50kWp

Estimated average daily photovoltaic production: 250kWh

Average monthly savings on electricity bills for the building it is connected to: 7600 Dhs

Average monthly CO2 reduction: 3,5 Tonnes

Total estimated photovoltaic production: 274 MWh



• Photovoltaic PERGOLA

Localisation : The university library terrasse

Type : Self-consumption

Photovoltaic power installed: 45kWp

Estimated average daily photovoltaic production: 201 kWh

Average monthly savings on electricity bills for the building it is connected to: 6850 Dhs

Average monthly CO2 reduction: 4,40 Tonnes

Total estimated photovoltaic production: 147 MWh



• Photovoltaic Facade

Location : The university library south facade

Type : Self-consumption

Photovoltaic power installed: 25kWp

Estimated average daily photovoltaic production: 112 kWh

Average monthly savings on electricity bills for the building it is connected to: 3800 Dhs

Average monthly CO2 reduction: 2,45 Tonnes

Total estimated photovoltaic production: 82 000 kWh



Events

Solar Benches



A set of new benches was installed on the university campus in 2018. These benches are equipped with photovoltaic modules and produce green electricity that is stored so that it is available 24/7.

The solar benches, which feature both 220V power sources for recharging PCs and USB ports (1A and 2A) for recharging phones and tablets, are designed for work, study or relaxation.

Unprecedented nationwide, these smart benches enable users, especially students, to recharge their devices at any time.

Our university is pursuing the development of its green and sustainable campus.

The number of solar benches on the university campus has already reached thirty in 2023.

Projects

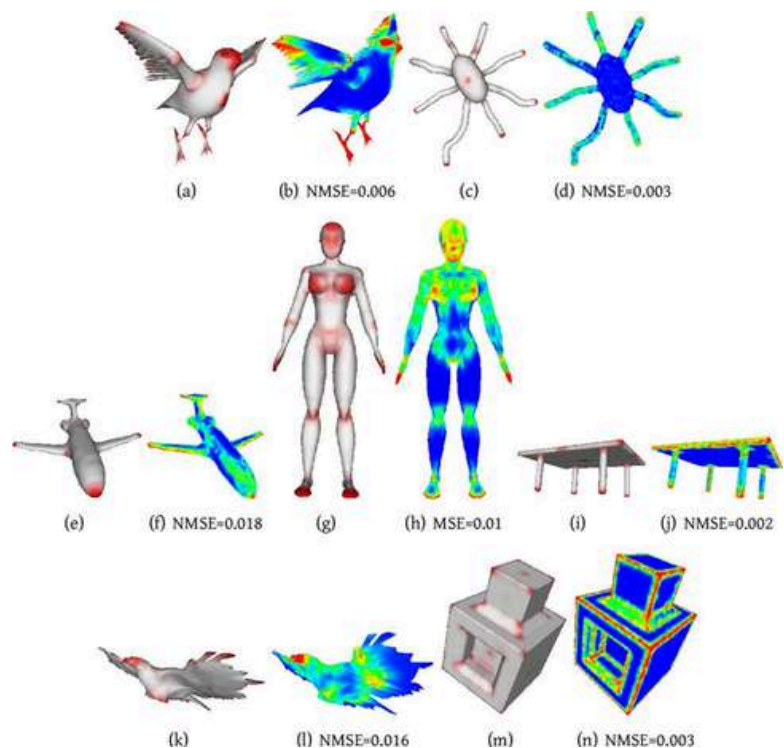
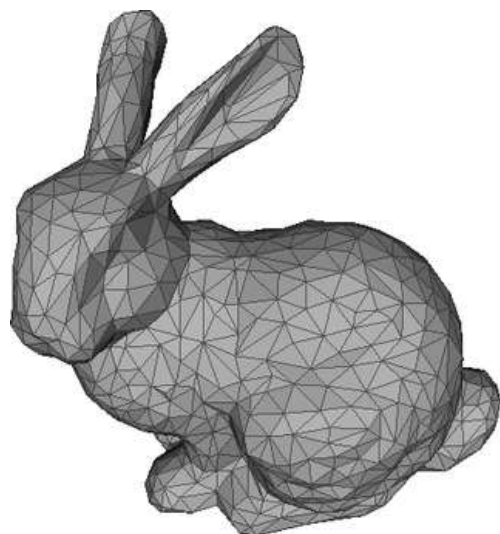
Exploiting Colored 3D Meshes Using Convolutional Networks

Description: The aim of the project is to analyze surface-based 3D meshes using deep learning.

The project objectives are:

1. Proposing evaluation metrics for the quality of colored and uncolored 3D meshes.
2. Proposing an approach for detecting visual saliency in both colored and uncolored meshes.
3. Proposing approaches based on geometric deep learning.

Visuals:



Funding Partners: University of Caen Normandy

Expected Outcomes:

- A method for evaluating the quality of both colored and uncolored 3D meshes.
- A method for estimating the visual saliency of colored and uncolored meshes.
- Approaches based on geometric deep learning.

Activities Conducted as Part of the Project:

- Publication of several scientific articles related to the project (<https://anassnouri.github.io/publications.html>).
- Scientific meetings.

Scientific, Environmental, and Economic Impact:

- Optimization of algorithms for processing 3D meshes.
- Application of the proposed algorithms across multiple socio-economic sectors, including:
 - Medical
 - Marketing
 - Media
 - Photography
 - Cultural Heritage Preservation
- Leveraging artificial intelligence to solve problems related to 3D technology.

Projects

Vegetable Tanning

Project Coordinator: Pr. Mohamed EBN TOUHAMI

This project is for the characterization and improvement of the tanning process in the craft sector. The tanning sector poses a number of problems relating to the quality and competitiveness of tanned leather. This is essentially linked to the lack of control of inputs in terms of raw materials and the operations of the tanning process. The project therefore consists of carrying out various research and development actions to improve the tanning process in order to produce quality leather and thereby improve the existing tanning process.

Visuals :



Tanning



Discharges into the canals



Toxic product applications



Lime treatment



Security issue



Tanning and drying

The premises: Chemistry laboratory and workshops with vats for tanning experiments

Equipment: classic equipment (Extraction, testing, etc.)

Funding Partners: Ministry of Tourism, Crafts and Social and Solidarity Economy

Expected Results:

- **Phase 1:** bibliographic study and analysis of existing information concerning the tanning process.
- **Phase 2:** R&D study for the improvement of the tanning process and implementation of solutions.
- **Phase 3:** extraction of tanning material from Mimosa school and other sources.

Activities carried out within the framework of the project:

- Bibliographic research
- Analysis of documents from previous projects and scientific articles
- Writing a comprehensive bibliographic report
- Work meetings to analyze and improve the process
- Collection of bark samples from various plants
- Drying of bark samples
- Extraction and characterization (laboratory test to locate tannins)
- Definition of needs for products and materials
- Site visit and diagnosis
- Development of technical protocols to conduct experiments.

Scientific, environmental, economic impact :

There are various potential effects of this project, which aims to enhance the vegetable tanning procedure:

Projects

- **Scientific**

Vegetable tanning could encourage research into the use of new natural tanning agents. This would contribute to a better understanding of the chemical interactions between plant extracts and skin fibers. Science could enable the development of more efficient and faster processes, while maintaining the quality of the products. The project could lead to the discovery of new plant sources for tannins.

- **Environmental**

Vegetable tanning is already seen as a more eco-friendly alternative to chrome tanning, which is toxic to the environment. Improving this process could further reduce pollutant discharges into water and air, while decreasing the use of harmful chemicals. An optimization of vegetable tanning can lead to a more efficient use of plant resources, thereby limiting deforestation and the pressure on certain plant species used in crafts.

An improved vegetable tanning process could generate less waste or allow for better valorization of by-products, such as plant remnants, which could be used for other industrial or agricultural applications (compost, bioenergy). By improving local artisanal processes, we could also reduce dependence on heavy industrial chemicals, thereby leading to a decrease in CO2 emissions associated with their production and transport.

- **Economic**

This project could strengthen local economies by enabling artisans to produce higher quality leathers while reducing production costs. This could increase the competitiveness of artisanal products in national and international markets.

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Eco-friendly vegan leather can attract a growing customer base of ethical and environmentally conscious consumers, opening the way to new markets in the sustainable fashion and luxury sectors.

Optimizing resources, reducing energy, and water consumption can lower production costs lowered, thereby improving profitability for artisans.

A vegetable tanning improvement project can encourage the use of local plant resources, thereby supporting agricultural producers and promoting a circular economy.

- **Touristic**

By enhancing the vegetable tanning process in Fez, the project not only improves the quality of artisanal leather but also contributes to the sustainable management of the city's historic craft sites. Reducing chemical pollution and optimizing resource use helps preserve the urban environment, which is vital for tourism in the imperial city. Additionally, the project provides educational outreach and training for local artisans, demonstrating sustainable craft practices that support heritage conservation and promote eco-tourism.



Clubs

People Who Care Make Change: 1.5 Tonnes Collected in a Student-Led Clean-Up

On **October 19, 2025**, a well-organized environmental field operation took place at Mehdia Beach, led by the GreenInvest Club of ENSA Kenitra. The initiative went beyond a symbolic activity and was structured as a results-driven intervention centered on waste removal, site restoration, and active student participation in environmental stewardship. Volunteers were deployed across mapped sections of the coastline, working in coordinated groups with clear roles and collection methods. This structured approach ensured efficiency, safety, and measurable outcomes while transforming student engagement into concrete ecological service.

Throughout the operation, teams systematically collected scattered litter, sorted recyclable materials, and cleared the most polluted zones of the shore. Plastic waste, mixed debris, and abandoned items were removed through a step-by-step process that combined field discipline with teamwork. The campaign led to the extraction of more than 1.5 tonnes of waste, producing an immediate and visible improvement in the area. The shoreline became cleaner and more secure, pollution risks to marine life were reduced, and the quality of the public space was significantly enhanced. The intervention delivered direct environmental relief while restoring the visual and ecological value of the site.

Beyond the physical results, the initiative generated strong educational and social impact. Participants gained hands-on experience in environmental action, collaborative work, and responsible field practices. They learned how planning, coordination, and shared accountability lead to tangible outcomes. Support from partners strengthened logistics and volunteer morale, showing how cooperation between student groups and community actors increases effectiveness. Such experiences build long-term environmental awareness and encourage continued participation in future sustainability actions.



Clubs

Grand Voyage 2.0 “Rifq”: A Journey of Compassion, Action, and Animal Protection

Some initiatives go beyond activity reports and numbers; they become acts of humanity. On **April 13, 2025**, the Green Act Club, a student club affiliated with Ibn Tofail University, launched “Rifq, a large-scale humanitarian initiative driven by compassion, responsibility, and a deep sense of solidarity toward those who cannot seek help for themselves, as part of “The Grand Voyage 2.0”.

This initiative was designed as a concrete response to the vulnerability and neglect of animals. Rather than limiting its impact to awareness, the project focused on direct action, on-site intervention, and sustainable support. The destination was Tangier, where the club supported Sanctuary for Tangier (SFT), a refuge that works daily to protect and care for abandoned and mistreated animals under challenging conditions.

One of the major actions carried out during this mission was the organization of a veterinary caravan, conducted in collaboration with IVSA IAV, the International Veterinary Students’ Association branch of the Agronomic and Veterinary Institute Hassan II. This student-led organization brings together veterinary students committed to animal health, welfare, and ethical veterinary practice. The caravan provided medical examinations, treatments, and essential veterinary care for the animals housed at the shelter. For many of them, this intervention represented their first real access to professional medical attention, helping relieve pain, prevent disease, and restore basic health and dignity.



Clubs

Transforming Commitment into Impact: A Humanitarian Caravan of Solidarity in Taza

27th May 2025

Over the course of three purposeful days, members of Ibn Tofail University's Rotaract Club carried out a humanitarian caravan in the Taza region, demonstrating strong civic engagement and a deep commitment to community service. This initiative aimed to provide concrete support to local populations while promoting a sustainable and human-centered approach to social action.

One of the key components of the caravan was the distribution of food baskets to families facing challenging living conditions. These carefully prepared contributions addressed urgent needs while conveying a message of solidarity, dignity, and shared responsibility. Through such actions, the Rotaract Club reaffirmed its belief that effective humanitarian work must be grounded in empathy and respect.

At the same time, the initiative placed particular emphasis on education as a pillar of long-term development. Volunteers devoted significant effort to the renovation of a local school, working collectively to improve classrooms and learning spaces. Through repainting and restoration, the school was transformed into a safer, brighter, and more welcoming environment, one that supports students' well-being and encourages academic engagement.

Beyond the visible results, the true significance of this initiative lies in its human dimension. The relationships built, the trust established, and the shared moments of cooperation have left a lasting impression on both the communities served and those involved in the initiative.



Clubs

A Campus in Bloom: When Ibn Tofail University Plants Seeds of Change

On **April 22, 2025**, in celebration of Earth Day, Ibn Tofail University came alive with green energy as students, staff, and volunteers gathered for a collective tree-planting initiative under the banner “Campus Vert 2025.”

With no experience needed, just motivation and a smile, participants rolled up their sleeves to plant trees and flowers across the university grounds. The result: a vibrant, greener campus and a powerful message about environmental responsibility.

Students from diverse academic backgrounds worked side by side, united by a shared commitment to nature and sustainability. Beyond planting greenery, this initiative fostered a spirit of cooperation, volunteerism, and environmental awareness among the university community.

“Campus Vert 2025” was more than just a gardening day. It was a meaningful reminder that change starts with small, tangible actions and that universities can be fertile ground for both education and ecological impact.

Ibn Tofail University once again affirmed its role as a space not only for learning, but for living responsibly and acting collectively for a better future.



Clubs

Waste collection and sorting operation on the UIT campus, organized by the Generation of Mercy Club of ESEF

Social responsibility and initiative are the new hallmarks of a responsible professor. It is in this spirit that our social club was created, bringing together a group of proactive young people eager to commit to a charitable cause. Beyond developing pedagogical skills, students discover the world of community engagement and social involvement by working to improve the living conditions of disadvantaged or marginalized people. Our greatest reward is the smile of a child or the prayers of a grandmother in gratitude.

The purpose of our social club is to strengthen a culture of mutual aid, solidarity, and charity in a friendly environment where everyone gives their best. The club has a flexible structure, led by a president who allows each member freedom of expression and action. It is open to all students, and everyone is welcome to participate in events organized both inside and outside the ESEF campus.



ESEF
Ecole Supérieure de l'Éducation
et de la Formation
الجامعة الإسلامية العالمية

GOMC

Generation of mercy club

**Never stop
believing in hope**

**NOUS SOMMES UN GROUPE DE JEUNES
PROFESSEURS, AYANT UN BUT EST DE
DÉVELOPPER L'ESPRIT D'INITIATIVE, DE
SOLIDARITÉ ET DE RESPONSABILITÉ TOUT EN
SE SENTANT UTILE À L'ENSEMBLE**

si vous avez des questions ou des
idées
notre page Facebook
Generation of mercy

Conclusion

SDG 12

Ibn Tofail University's ongoing commitment to SDG 12 demonstrates its dedication to sustainable practices. By integrating responsible approaches into its processes, the university positively influences the environmental and social awareness of its community. However, achieving SDG 12 is a continuous effort that requires strengthened collaboration among all university stakeholders. By staying on this path, Ibn Tofail University actively contributes to creating an academic environment conducive to sustainable lifestyles, while inspiring other institutions to follow this enlightening example.

12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



THE GLOBAL GOALS

CONSUME AND PRODUCE SUSTAINABLY FOR OUR PLANET



**SUSTAINABLE
DEVELOPMENT**
IBN TOFAIL UNIVERSITY