



الجامعة الأورومتوسطية بفاس
EUROMED UNIVERSITY OF FES
UNIVERSITÉ EUROMED DE FÈS

SDG2 report

ZERO HUNGER

2025



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SDG2 Report: Zero Hunger

Food aid

The Covid-19 pandemic has significantly disrupted the food system and increased the need for food aid. During the Covid-19 outbreak in Morocco, restrictions impacted both food suppliers and family meals, nutrition, and food security. Surveys have shown that many people, particularly young people, have adopted unhealthy eating habits, with the stress of confinement affecting their diet and health.

Several concrete and supportive actions have been successfully carried out at UEMF to fight against hunger at national and local level:

- In mid-March, and since the announcement of the fund dedicated to managing and combating Covid-19, UEMF staff members (presidential team, deans, directors, professors, and administrative and support staff) have contributed all or part of their monthly salaries. The amount donated to this fund exceeds one million dirhams.
- UEMF is a civic-minded university with mutual aid, solidarity, and assistance in its DNA. UEMF quickly came to the aid of those in need during the health crisis, particularly during the holy fasting month of Ramadan. 1,000 complete baskets containing various food items and supplies were offered to the needy in the Fez region with the help of local authorities.
- The UEMF provided a variety of assistance to international students stranded in its university residences. In addition to multiple disinfection operations, international students received assistance and kindness from the University: packed lunches, food, hand sanitizer, psychological support, and various other types of assistance.
- University scholarship holders benefit from a top-up of their UEMF cards at the beginning of each month to guarantee them permanent access to the university restaurant and the UEMF shop.

Training and learning

UEMF through its BiomedTech School of Biomedical and Biotechnology Engineering <https://www.ueuromed.org/etablissement/ecole-euromed-dingenieurs-biomedtech/filieres> organizes initial and continuing training modules on access to knowledge on food safety. These modules allow the acquisition of knowledge, skills in this area and access to technology in the field of food safety.

At the R&D level, a large regional innovation center called Agritech <https://www.ueuromed.org/structure-innovation/agritech>, is currently being developed and will aim to contribute to the emergence of the insufficiently exploited potential of the Fez-Meknes region in its traditional activities (notably agri-food) and the development of territorial growth drivers that create wealth and jobs, notably through the combination of research, innovation and entrepreneurial development in the aforementioned sectors, taken individually or in synergy.

Fight against waste

The UEMF encourages subcontractors to control food quality and avoid waste. The energy use of organic waste for the production of bioenergy (biogas, liquid biofuels) and compost is currently being tested in student projects.

- Choice of food suppliers
- Protection and preservation of food products in compliance with the national standards of the National Office for Food Safety (ONSSA) <http://www.onssa.gov.ma/>
- Delivery of food products in the best conditions
- Anticipation of public needs by analyzing questionnaire responses
- Menus composed with a dietician in response to individual needs: light menu, full menu
- Meal structure and consideration of specific customer needs (quantities/portions served)

- Training restaurant staff in waste sorting
- Daily donation of food leftovers to charities
- Composting peelings

Support for women's cooperatives

Students often organize forums and fairs for women cooperative members to showcase local agri-food products. The UEMF thus encourages organic production and promotes fair trade. The UEMF thus prioritizes the purchase of products from local and sustainable sources. Eating organic has become a leading trend in society, to the point of wanting to convert several agricultural areas to organic farming. This ambition underpins the Moroccan government's Green Plan. Thousands of jobs could be created by 2030.

Research and incubation of projects

FSF

The Fez Smart Factory Ecosystem is launching its first competition for the admission of the first project leaders into its industry 4.0-oriented incubator. This competition is open to any individual or team with a project to develop an industrial unit for innovative, high-value-added and competitive product(s) that optimizes its performance through the implementation of industry 4.0 concepts and technologies. The project must fall within one of the following sectors: agri-food industries, ...<https://fsfindustry.com/concours/>

Hackathon "Euromed Sustainable Impact Challenge"

Green Wings is a mobile application created by a group of eight students in Business, Artificial Intelligence, and Design at UEMF. The application aims to promote RAM's CSR initiatives and instill them in employees' habits through three main components: carpooling, catering, as well as eco-scoring and eco-ranking.

- Carpooling will help minimize the carbon footprint.
- The catering component will allow employees to confirm or not their presence at the company restaurant the next day, as well as to choose the foods that would make up their menu in order to avoid food waste.
- Eco-scoring is a score calculated based on 3 factors: water and electricity consumption internally and externally among RAM's various employees, the rate of involvement in carpooling and RAM's eco-responsible activities, and finally volunteering. This score will lead to an eco-ranking that will elect the best eco-friendly, which will create a competitive and fun atmosphere and allow people to combine business with pleasure.

<https://ueuromed.org/en/news/workshops/hackaton-le-projet-greenwings-fait-lunanimate-aupres-du-jury-et-remporte-la-premiere>

Publications

P-90) Antimicrobial effect of chitosan films on food spoilage bacteria N. Wrońska,* N. Katir, K. Miłowska, N. Hammi, M. Nowak, M. Kedzierska, A. Anouar, K. Zawadzka, M. Bryszewska, A. El Kadib, K. Lisowska.* Int. J. Mol. Sci., 22 (2021) 5839. IF = 5.92

[ABDELKRIM EL KADIB | UEMF \(ueuromed.org\)](https://ueuromed.org)

Synthesis and characterization of new organophilic clay. Preparation of polystyrene/clay nanocomposite, Ben-Yahia, A.; El Kazzouli, S.; Essassi, EM; Bousmina, MM Scientific Study and Research: Chemistry and Chemical Engineering, Biotechnology, Food Industry, 2018, 19, 193. (IF = 0.23)

[EL KAZZOULI Said | UEMF \(ueuromed.org\)](https://ueuromed.org)

Anissi J, El Hassouni M, Ouardaoui A, Sendide K. (2014), A comparative study of the antioxidant scavenging activity of green tea, black tea and coffee extracts: A kinetic approach. Food Chemistry. (1),150:438-47. IF = 4.946.

<https://doi.org/10.1016/j.foodchem.2013.11.009>

Jaouad Anissi, Khalid Sendide, Ouardaoui Abdelkrim, El Mohammed, Hassouni (2019), Methyl caffeate as the major antioxidant compound from *Inula viscosa* Ait. (L). Food Chemistry. IF = 4.946

<https://ueuromed.org/en/ecole-euromed-dingenieurs-biomedtech/research-teaching-staff/jaouad-anissi>

International cooperation

Pr. Hafsa El Bekri participates in the "Model World Trade Organization" in St. Gallen and Geneva

Professor at the Euromed Business School of the UEMF, Pr. Hafsa El Bekri participates in the "Model World Trade Organization" work in St. Gallen and Geneva from April 6 to 13.

The work took place at the Kantonsrsaal, at the World Trade Organization in Geneva. During her participation, Professor Hafsa El Bekri had a dual mission:

Observation and assistance to 72 representatives of the best universities worldwide during the negotiations.

Take part in the Canadian delegation to lead the negotiations of the "Committee on Environmental Footprint of Traded Food".



<https://ueuromed.org/actualites/annonces-diverses/pr-hafsa-el-bekri-participe-au-model-world-trade-organization-saint>

Prof. Hafsa El Bekri moderated a workshop at the World Trade Organization (WTO)

Public Forum



As part of the World Trade Organization (WTO) public forum held from September 27 to 30 in Geneva, Professor Hafsa El Bekri was invited to moderate a workshop on "How trade can drive inclusive and sustainable food systems in Africa."

<https://ueuromed.org/actualites/annonces-diverses/pr-hafsa-el-bekri-moderne-un-workshop-au-forum-public-de-lorganisation>

Actions to combat famine between 2022 and 2023

Solidarity action: Hot meals December 7, 2022



The Hands Club prepared a variety of hot meals which were distributed to benefit 50 homeless people.

Solidarity action: distribution of food baskets April 7, 2023



As part of its solidarity actions, the Rortact club organized on April 7 an action to distribute Ramadan baskets for the benefit of deprived families in the Bab Ftouh district and to residents of the Ahly center in the city of Fes.

Hands Club Solidarity Action April 12, 2023



On April 12, the Hand Club organized a social event for the residents of the Garwawa orphanage. The day was marked not only by a program of activities and a collective ftour but also by the distribution of bags of clothing.

Collective Iftar at the Bendriss Center



To mark the month of Ramadan, the Rotaract Club held a group Iftar on April 11th for the benefit of the residents of the Abdelaziz Ben Driss Child Protection Center. The day was also marked by the organization of several sports and artistic activities for the benefit of the young residents.

Other activities

Workshop on AI Applied to Agriculture and Food Security May 15, 2023



Euromed University of Fez, in collaboration with its partner Shenkar College of Engineering and Design, is organizing two workshops on May 15 and 16, 2023, one on AI applied to agriculture and food security and the other on intelligent transport (ITS), mobility and urban planning.

The conference, whose work was launched by the respective Presidents of the two institutions, Prof. Mostapha BOUSMINA of Euromed University and Prof. Sheizaf RAFAELI of Shenkar College, was punctuated, on the first day, by multiple interventions by researchers and students from the two universities, moderated and led by Professors Salim BOUNOU (Euromed) and Yoram HALEVI (Shenkar).

The presentations highlighted the results of the work carried out by the various teams, namely in advanced irrigation, optimal control, sensors for smart agriculture, bio-packaging using the properties of glycans, in addition to innovative outputs in the fields of fertilizers, treatment and recovery of mining waste and wastewater.

<https://ueuromed.org/actualites/ateliers-workshops/workshop-sur-lia-appliquee-lagriculture-et-la-securite-alimentaire>

Roundtable: Water, Agriculture and Food Security, Building a Nexus Approach to Africa's Climate Change Narrative February 2, 2023



The Research Institute for European, Mediterranean, and African Studies (RIEMAS), a Think-Tank at the Euromed University of Fez, organized its first roundtable of the 1.5 Hours for Climate - Africa Moonshot Initiative, which focused on the theme "Water, Agriculture and Food Security: Building a Nexus Approach to the Climate Change Narrative in Africa".

1.5 hours for Climate - Africa Climate Moonshot Initiative, is a project led by RIEMAS, 4C Maroc, Euro-Mediterranean Economists Association - EMEA, Mercure Cab Fatima B. NDOYE and Positive Agenda Advisory. These monthly thematic meetings aim to bring together high-level guests and regional experts around major issues related to climate action in order to contribute to the creation of a dynamic conducive to advocacy in favor of a climate agenda anchored in African realities ahead of COP28.

This round table was moderated by Professor Hafsa El Bekri, lecturer at the Euromed Business School and Co-Director of RIEMAS.

<https://ueuromed.org/actualites/ateliers-workshops/table-ronde-eau-agriculture-et-securite-alimentaire-construire-une>

A wave of solidarity is being organized at the Euromed University of Fez following the

earthquake that struck our Kingdom on 08/09/2023



Following the recent earthquake that struck the Al Haouz region, our University mobilized to participate in the national solidarity movement by implementing three concrete actions:

- The institutional and financial participation of the UEMF in the Special Fund for the Management of the Impact of the Earthquake in Morocco (a donation of 1.6 million Dirhams);
- The establishment of aid for students and staff from disaster areas.
- The contribution of 400 thousand dirhams in the form of new supplies sent by truck to the disaster areas and including beds, blankets and kitchen supplies

<https://ueuromed.org/actualites/annonces-diverses/un-don-de-16-million-de-dirhams-verse-par-luniversite-euromed-de-fes>

2024: Euromed University of Fez at the heart of action for the SDGs

Launch of the first Bootcamp of the Tech4Farmers program at the Euromed University of Fez



Taking place over three days, from June 10 to 12, this event marks an important milestone for AgriTech innovators supported by the French Development Agency (AFD) as part of the “Tamkin LiTanmia” project, in collaboration with the Regional AgriTech Innovation and Entrepreneurship Hub.

Participants include a selection of promising companies representing the future of AgriTech, such as DeepLeaf, Jafife, ARWA Solutions, Yadag, Jodoor, Lombrisol, Agrinotech, Agri-bOT, MadjiX, and EJ Solutions. Other startups are expected, promising to make this bootcamp even richer in innovation and potential synergies. Each company brings its unique expertise and vision to transform the agricultural sector and contribute to a sustainable future for the Fez-Meknes region.

The opening day was dedicated to welcoming participants, presenting the program and partners, followed by an introduction to Design Thinking and problem framing. Participants had the opportunity to interact with experts, discover development opportunities for their technological solutions, visit the University's prototyping infrastructure, and work on the proto-personas of AgriTech in Morocco.

The second day focused on developing the full-life cycle of projects, rapid prototyping, and user interview scenarios. Participants also explored the funding, expertise, and networking opportunities offered by the program.

The third and final day focused on corporate partnerships, with feedback from agritech companies and working groups to identify potential partners and synergies between startups. The bootcamp concluded with individual coaching sessions.

This program represents a unique opportunity for start-ups to revolutionize the agricultural sector through innovative solutions, while contributing to the sustainable development of the Fez-Meknes region.

<https://ueuromed.org/actualites/annonces-diverses/lancement-du-premier-bootcamp-du-programme-tech4farmers-luniversite>

Strengthening collaborations for sustainable agriculture



Euromed University of Fez hosted an American delegation as part of the LeadAR program, a University of Arkansas project focused on training leaders in agriculture and sustainable economics. The visit, led by industry professionals and researchers, was welcomed by Prof. Salim Bounou, Vice President for Research and Partnerships, and provided an opportunity to explore synergies for sustainable agricultural development in Morocco.

Through this meeting, the UEMF reaffirms its commitment to innovative solutions for a greener and more responsible future.

https://www.linkedin.com/posts/universit-euro-m-diterran-enne-de-f-s_sustainability-uemf-myuemf-activity-7248975557097402368-rOlb?utm_source=share&utm_medium=member_desktop

UEMF and AFD launch the “Tech4Farmers” program



Launch of the Tech4Farmers call for applications, a support program specially designed for project leaders in the innovative agricultural technologies (AgriTech) sector.

During a launch conference that brought together key players in the agricultural sector of the Fez-Meknes region this Thursday, March 7, at the Euromed University of Fez (UEMF), the University and the French Development Agency (AFD) officially launched the Tech4Farmers program, whose objective is to support the development and marketing of AgriTech solutions that meet the needs of national agriculture and that of the Fez-Meknes region, in particular.

The Tech4Farmers program is part of an ambitious project to build a Regional Hub for Innovation and Entrepreneurship in Agriculture and Agri-Food in the Fez-Meknes region. This project is led by UEMF and AFD in partnership with the Ministry of Agriculture, Maritime Fisheries, Rural Development, and Water and Forests, the Digital Agriculture Hub, and a consortium of partners including government agencies, sectoral federations, universities, and research centers.

<https://ueuromed.org/actualites/annonces-diverses/luemf-et-lafd-lancent-le-programme-tech4farmers>

Third steering committee meeting of the Regional Agritech Innovation and Entrepreneurship Hub



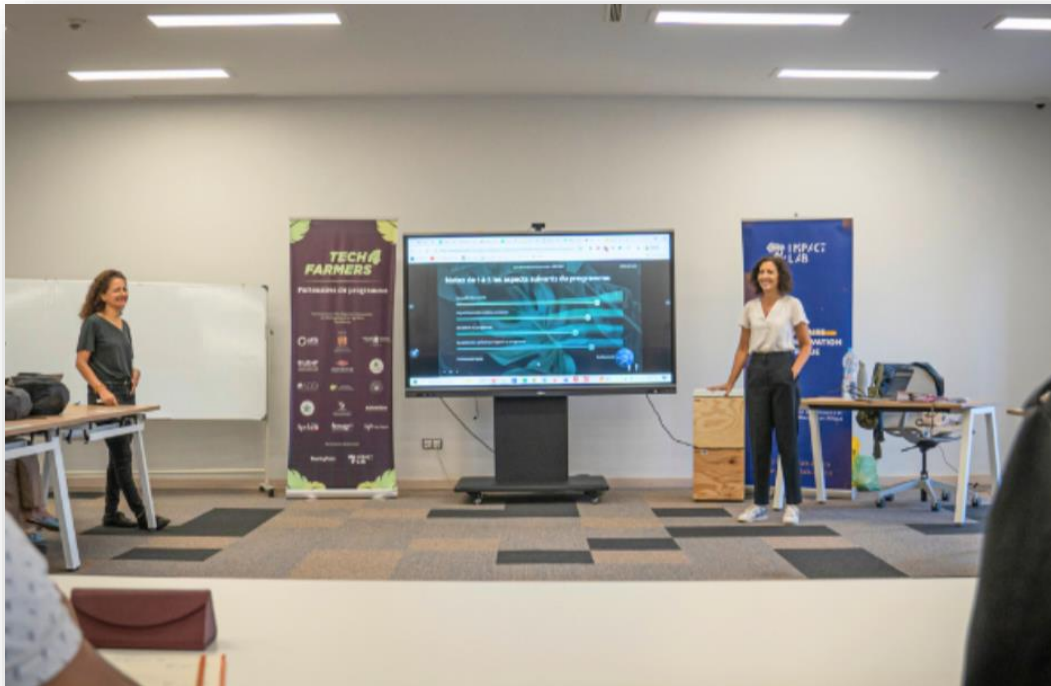
On February 21, 2024, the Euromed University of Fez hosted the third steering committee of the "Regional Hub for Innovation and Entrepreneurship in Agritech" project, as part of the "Tamkin Li Tanmia" program, funded by the French Development Agency (AFD). This event brought together various partners, including the AFD, the Digital Agriculture Hub, the IAV Institute, and other regional stakeholders, to take stock of the progress of the Agritech project.

The meeting provided an opportunity to share perspectives on progress made and discuss next steps, followed by the signing of a partnership agreement. The support program for innovative projects was presented, and an inaugural conference of the call for projects is planned for March 7, 2024, at the UEMF, focusing on agricultural issues in the Fez-Meknes region.

This event strengthened collaboration and innovation in the AgriTech sector, contributing to the creation of a strong ecosystem for agricultural entrepreneurship in Morocco.

<https://ueuromed.org/actualites/annonces-diverses/tenue-du-troisieme-comite-de-pilotage-du-pole-regional-dinnovation-et>

Resounding Success of the Second Tech4Farmers Bootcamp at UEMF



From September 24th to 26th, the Euromed University of Fez hosted the second Bootcamp of the Tech4Farmers incubation program for Moroccan agritech startups. Organized in partnership with the AFD and PRIIE, this event aimed to sustainably transform the agricultural sector through innovative solutions. Over three days, entrepreneurs participated in feedback sessions, value creation workshops, masterclasses on social and environmental impact, and benefited from expertise to structure their business plans. This Bootcamp strengthened their role as stakeholders in agricultural innovation and their commitment to an economic and sustainable future for Morocco.

<https://ueuromed.org/actualites/annonces-diverses/succes-retentissant-du-deuxieme-bootcamp-tech4farmers-luemf>

2025: Euromed University of Fez intensifies its commitment to the SDGs

Meal Distribution by the Hands Club



The Hands UEMF club organized a solidarity initiative by offering a meal to the cleaners, workers and security guards, to sincerely thank them for their work and daily dedication.

<https://www.instagram.com/reel/DBY1xlvI-Ug/?igsh=dTljYWsyd2NvZzV0>

A meal, a smile – A solidarity action from the Elite Club



In an atmosphere marked by solidarity, respect, and kindness, the members of the Elite Club carried out a simple but profoundly humane action in the heart of the city's streets: the distribution of meals to people in precarious situations. More than a charitable gesture, this initiative carried a powerful message: to reach out to others, wherever they are, without judgment, with an open heart. It wasn't just a matter of feeding bodies, but also of providing human warmth, a kind look, a sincere ear—all those little things that restore a little dignity and hope to those who, too often, feel invisible. Armed with carefully prepared meals, the club members ventured into different neighborhoods, driven by a deep desire to take action. They reached out, exchanged a few words, sometimes smiles, sometimes meaningful silences. But each time, humanity was expressed, in all its simplicity and power. 60 meals were distributed. But behind this number are 60 moments of sharing, 60 moments of mutual recognition, 60 proofs that human connection remains one of the most powerful vectors of change. Because sometimes, it's not so much what we give that counts, but how we give it. This action would not have been possible without the sincere commitment of the members of the Elite Club, nor without the support of people who believe in the power of the collective and the heart. Together, we have proven that every small gesture can bring light, and that sometimes a simple meal is enough to rekindle a spark in someone's eyes.

<https://www.instagram.com/reel/DHMuZnNtI2e/?igsh=Y3Y4cTk2Y3Fna3l1>

150 Meals, 150 Stories



On March 19, 2025, a solidarity initiative led to the distribution of 150 Iftar meal baskets in several neighborhoods of Fez, benefiting people in need: workers, the homeless, and marginalized people. More than just a simple gesture of food, it was an act of humanity, comfort, and solidarity, made possible thanks to the generosity of donors.

https://www.instagram.com/p/DH8oR52MLaj/?img_index=13

Tech4Farmers: Three days of support for the 2nd cohort of AgriTech startups



From May 13 to 15, 2025, the Euromed University of Fez organized the second bootcamp of the Tech4Farmers program, in partnership with the French Development Agency (AFD). This program is part of the Regional AgriTech Innovation and Entrepreneurship Center (PRIE) of Fez-Meknes.

For three days, 16 AgriTech startups benefited from intensive support to to:

Structure their economic model,

Build their business plan and develop strategic partnerships,

Explore opportunities for territorial deployment through panels with regional institutions (DRA, ENA Meknès, Agrinova).

Supervised by UEMF, IMPACT Lab and the Euromed Innovation Center, this bootcamp strengthened the participants' entrepreneurial capacities while connecting them with key players in the Moroccan agricultural ecosystem.

<https://ueuromed.org/actualites/ateliers-workshops/tech4farmers-trois-jours-daccompagnement-pour-la-2e-cohorte-de>

Round table: Health and well-being of young people – Eating better to nourish better



As part of African Week, a round table was held on June 12, 2025 around the theme:

“Health and well-being of young people: eating better to nourish better”, led by Pr. Wafaa Al Hassani, Dr. Samira Nabdi and Ms. Chaimae Jerraf.

This session opened a space for dialogue on the importance of good eating habits among young people, in relation to their physical and mental health.

Discussions between health professionals, experts and students highlighted the links between nutrition, education and sustainable health, highlighting the urgent need for greater awareness and equitable access to a balanced diet, which is essential for building a healthier future for African youth.

[Club Activities Report: Vice-Presidency in charge of Cultural Affairs and University Life](#)

SDG 2 – Zero Hunger: UEMF's ranking in THE Impact Ranking 2025

Rank ▲	Name ◆	Zero hunger ◆	Overall ◆
201–300	Ibn Tofaïl University Morocco	54.5–62.9	70.3–76.1
401–600	International University of Rabat Morocco	37.2–48.5	70.3–76.1
401–600	Moulay Ismail University Morocco	37.2–48.5	49.8–60.8
601–800	Mohammed V University of Rabat Morocco	23.6–37.1	60.9–65.5
601–800	Université Hassan II de Casablanca Morocco	23.6–37.1	60.9–65.5
801+	Euromed University of Fez Morocco	1.9–23.3	65.6–70.2

Tamkin LiTanmia: Agritech Project Steering Committee



THE On September 25, 2025, the Euromed University of Fez hosted the steering committee of the "Regional Innovation and Entrepreneurship Hub in Agritech" project, part of the Tamkin Li Tanmia program funded by the AFD. Launched in 2022, this project aims to build a regional agricultural innovation ecosystem connecting researchers, institutions, businesses, start-ups, and farmers to develop appropriate technological solutions.

The meeting, bringing together numerous institutional and private partners, made it possible to present the project progress, monitor the Tech4Farmers program, plan the mobilab and awareness-raising activities, while defining the next steps. It confirms UEMF's commitment to technological and entrepreneurial innovation in the service of agriculture and the Fez-Meknes region.

<https://ueuromed.org/actualites/annonces-diverses/tamkin-litanmia-comite-de-pilotage-du-projet-agritech>

3^e and last Tech4Farmers Bootcamp of the 2^e Cohort

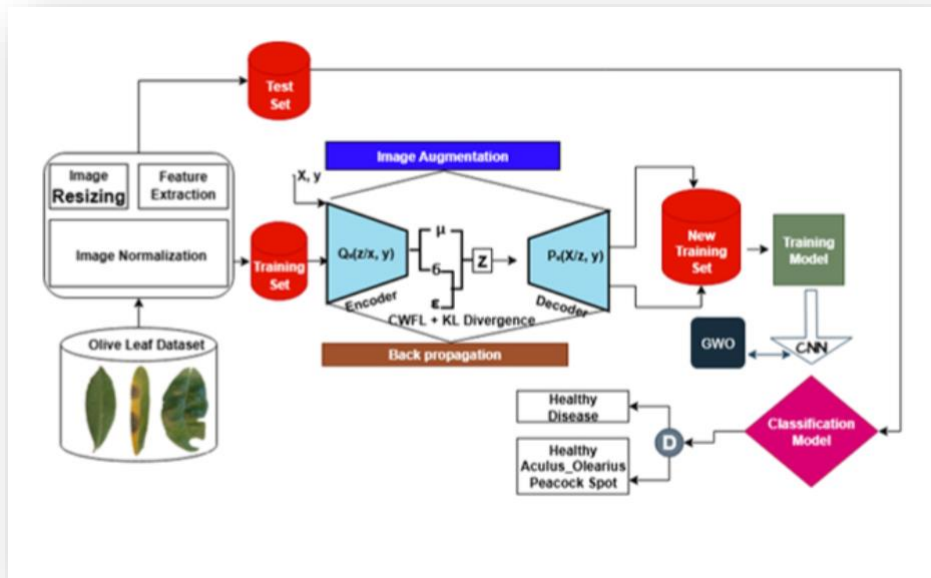


From September 23 to 25, 2025, the Euromed University of Fez, through its Euromed Innovation Center incubator, hosted the third and final Tech4Farmers – Tamkin LiTanmia bootcamp, funded by AFD. Dedicated to AgriTech project leaders from the second cohort, this bootcamp allowed startups to refine their business model, strengthen their pitching skills, and prepare for fundraising through practical workshops, mentoring, and discussions with experts.

This step completes the incubation cycle and prepares entrepreneurs to scale up and fully integrate into the regional and national Agritech ecosystem. It illustrates UEMF's commitment to technological innovation, sustainable agriculture, and impact entrepreneurship in the Fez-Meknes region.

<https://ueuromed.org/actualites/annonces-diverses/3-et-dernier-bootcamp-tech4farmers-de-la-2-cohorte>

Doctoral thesis defense in “Artificial Intelligence” by Mr. Kaloma Usman MAJIKUMNA



Thesis defense – Kaloma Usman MAJIKUMNA

Title: Managing plant survival and disease risks under water stress using artificial intelligence: the case of olive trees in Morocco

This thesis studies the impact of water stress and diseases on olive trees in Morocco, by combining artificial intelligence, remote sensing and field experiments. An innovative deep learning model has been able to detect diseases with 99.2% of predecision, while tests of irrigation have identified the varieties and most resilient indicators. The results provide concrete recommendations for sustainable and climate-adapted agriculture.

<https://ueuromed.org/actualites/cedoc/doctoral-thesis-defense-artificial-intelligence-mr-kaloma-usman-majikumna>