



INTERDISCIPLINARY RESEARCH AT IBN TOFAIL UNIVERSITY 2024

Introduction

Welcome to a journey through the vibrant landscape of research at Ibn Tofail University (UIT). At the heart of UIT's academic ethos lies an unwavering dedication to pioneering research that transcends boundaries and addresses the pressing challenges of our time. UIT is not merely a seat of learning but a dynamic hub where ideas are cultivated, collaborations flourish, and innovation thrives. This report stands as a testament to UIT's commitment to excellence in research and its pivotal role in shaping the future of academia and society at large.

UIT's relentless pursuit of knowledge is underpinned by a deep-rooted belief in the transformative power of research. As we navigate through the diverse array of projects and breakthroughs showcased in this report, we gain insight into the collaborative spirit that defines UIT's research ecosystem. From groundbreaking discoveries to interdisciplinary collaborations, UIT's research endeavors are at the forefront of driving positive change and pushing the boundaries of human understanding.

As UIT charts its course towards greater prominence on both national and international stages, it remains steadfast in its mission to enhance research structures and foster a culture of excellence. With the support of university stakeholders and the dedication of its faculty and researchers, UIT is poised to continue its journey towards becoming a beacon of innovation and influence in the global research community.

Join us as we embark on this exploration of UIT's research landscape—a journey marked by curiosity, collaboration, and a relentless pursuit of knowledge. Together, let us celebrate the spirit of inquiry that defines UIT's research endeavors and chart a course towards a brighter, more enlightened future for generations to come.

Research at Ibn Tofail University

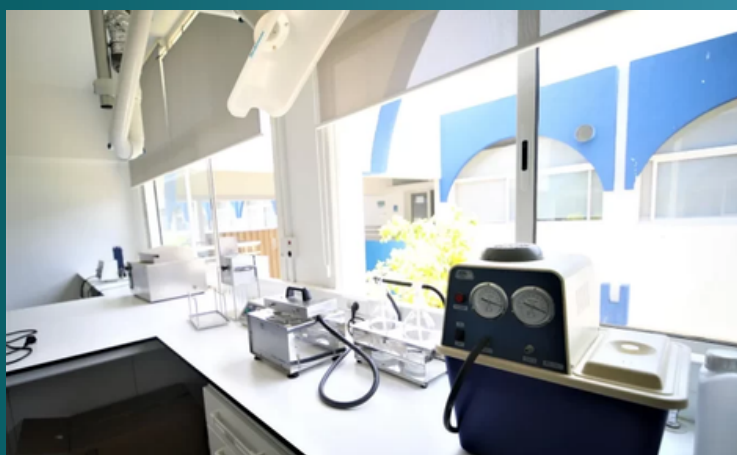
At the heart of Ibn Tofail University's academic priorities lies a relentless commitment to pioneering research that pushes the boundaries of knowledge and addresses contemporary challenges. This report seeks to provide a comprehensive overview of UIT's research landscape, spotlighting key projects, breakthroughs, and the collaborative spirit that defines its research ecosystem.

Ibn Tofail University is aware that enhancing research structures is an ongoing process that requires constant commitment from all university stakeholders. UIT is determined to continue its efforts to make its research structures centers of excellence and influence at both national and international levels. It is committed to enhancing its research structures by providing them with the necessary resources, promoting collaboration, and encouraging innovation. The center supports, co-organizes, coordinates, and animates the research activities of the 31 laboratories accredited by the university council in the three disciplinary fields organized around three doctoral study centers, as indicated in the tables below :



Research Structure	Staff	Institution
Research in Organizational Management Sciences	18	National School of Business and Management
Interdisciplinary Research in Economics and Management	16	National School of Business and Management
Research in Business and Management	21	National School of Business and Management
Engineering Sciences	30	National School of Applied Sciences
Advanced Systems Engineering	37	National School of Applied Sciences
Engineering, Sustainability and Innovation	20	National School of Chemistry
Innovation and Research for the Improvement of Education and Training Professions	35	Higher School of Education and Training
Scientific Research and Innovation	35	Graduate School of Technology
Economics and Public Policy	17	Faculty of Economics and Management
Economics, Finance, Management and Innovation	44	Faculty of Economics and Management
Language and Society	48	Faculty of Languages, Letters and Arts
Literature, Arts and Educational Engineering	35	Faculty of Languages, Letters and Arts
Didactics, Languages, Media and Dramaturgy	35	Faculty of Languages, Letters and Arts
Geosciences and Natural Resources	18	Faculty of Science
Computer Science Research	31	Faculty of Science
Geometry Analysis and Applications	22	Faculty of Science
Advanced Materials and Process Engineering	32	Faculty of Science
Biology and Health	23	Faculty of Science
Natural Resources and Sustainable Development	28	Faculty of Science
Electronic Systems Information Processing, Energy Mechanics	22	Faculty of Science
Botany, Biotechnology and Plant Protection	17	Faculty of Science
Organic Chemistry, Catalysis and Environment	19	Faculty of Science

Research Structure	Staff	Research Axis
Partial Differential Equations, Algebra and Spectral Geometry	15	Faculty of Science
Materials Physics and Subatomic	25	Faculty of Science
People, Societies and Values	33	Faculty of Humanities and Social Sciences
Spatial Planning, Geo-Environment and Development	19	Faculty of Humanities and Social Sciences
History, Heritage, Society and Development	16	Faculty of Humanities and Social Sciences
Science of Religions	17	Faculty of Humanities and Social Sciences
Studies and research in law and political science	31	Faculty of Legal and Political Sciences
Studies and research in Legal and Judicial Sciences	33	Faculty of Legal and Political Sciences
Interdisciplinary Sports Sciences	17	Institute of Sports Professions



UIT's Collaborative Journey in Applied Research and Interdisciplinary Solutions

UIT strives to strengthen partnerships with industry, research institutions, and government agencies to promote applied research and R&D. Several thematic research projects, such as automotive, materials science, renewable energy, and agro-industry, are in the process of realization with FHE, Xeizhong Morocco Automotive Air Conditioning, and Ecobioplant.

Ibn Tofail University, rich with its 31 multidisciplinary laboratories, is actively engaged in scientific research with various partners in industrial, private, and public sectors. Special attention is given to disciplinary fields such as Humanities and Social Sciences, Economics and Management, Legal Sciences, and Political Sciences to enhance and support research efforts in these areas. The figure and table below illustrate this dynamic.

These collaborations contribute to enhancing the university's reputation, promoting academic excellence, and stimulating socio-economic development in the region and the country as a whole. Ultimately, National Partnership in Scientific Research is a crucial tool for UIT to address future challenges and significantly contribute to societal progress.

Unlike traditional research, which tends to focus on a single discipline, interdisciplinary research seeks to combine insights, methods, and theories from diverse areas to address complex issues and solve problems that cannot be adequately understood or resolved within the scope of a single discipline.

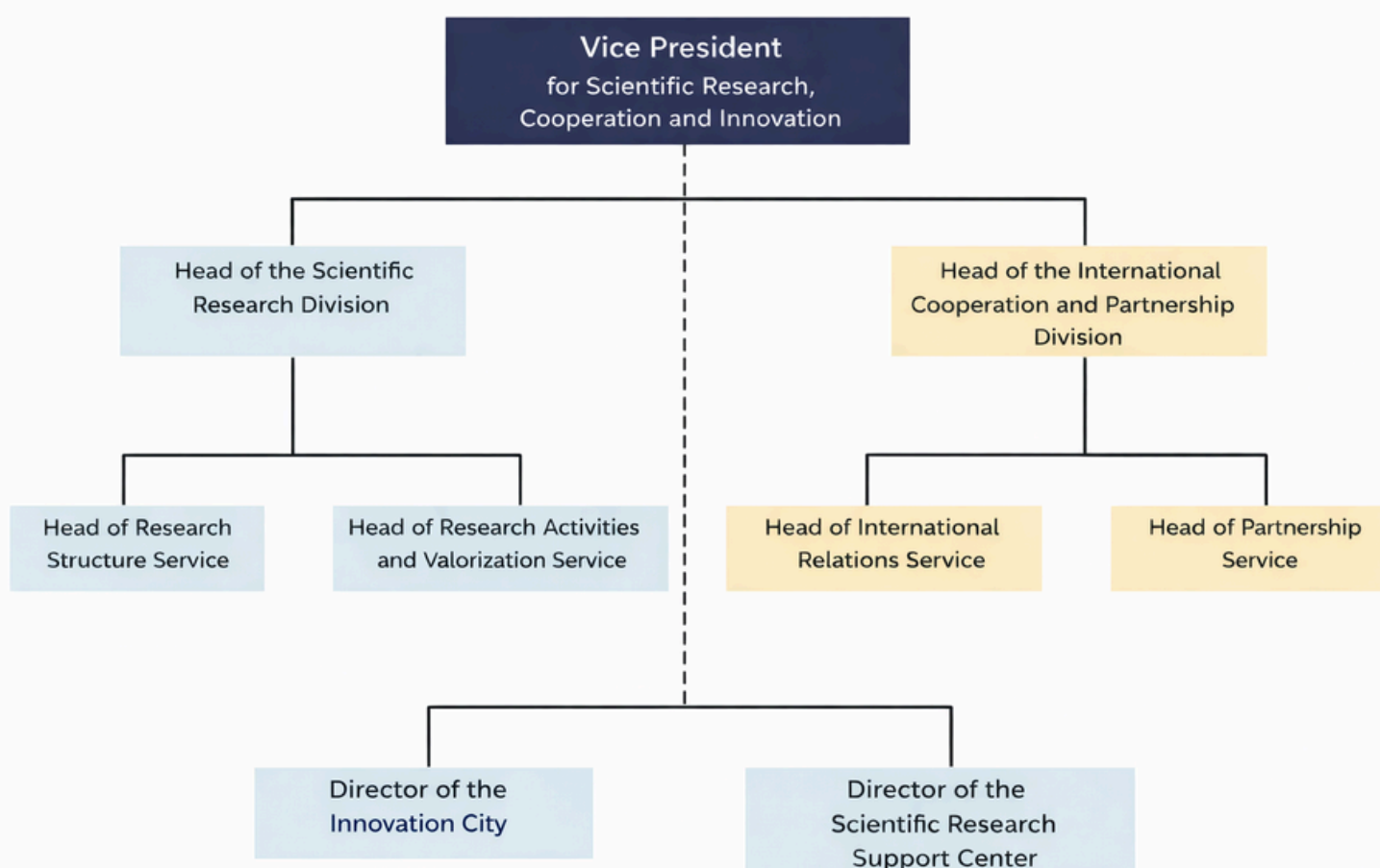
Interdisciplinary research is facilitated through partnerships between different institutions and sectors. Ibn Tofail University is actively involved in a dynamic collaboration, contributing to the development of strong national and regional partnerships. These strategic alliances between scientific research, industry, and regional and national institutions are essential for promoting innovation, economic growth, and technological progress. By fostering these collaborations, UIT strengthens its position as a catalyst for dynamic synergies across various spheres of society. UIT's commitment to the development of national and regional partnerships, as described in the passage, is closely linked to interdisciplinary research across scientific disciplines.



Research Structure at Ibn Tofail University

The Pole of Research, Cooperation, and Innovation of Ibn Tofail University has undertaken a structured reorganization in strict compliance with the organizational chart recommended by the Ministry of Higher Education, Scientific Research, and Innovation. This new configuration attests to our commitment to operate efficiently while adhering to the highest quality standards, thereby strengthening our position as a major player in the field of research and innovation.

By aligning its structure with the national standards, UIT aims to enhance efficiency and uphold the highest quality norms. This strategic initiative signifies UIT's dedication to becoming a major influencer in research, innovation, and interdisciplinary research, echoing the university's mission to encourage collaboration and exploration across diverse scientific disciplines.



Scientific Publication Support Center: Promoting Excellence in Research Dissemination

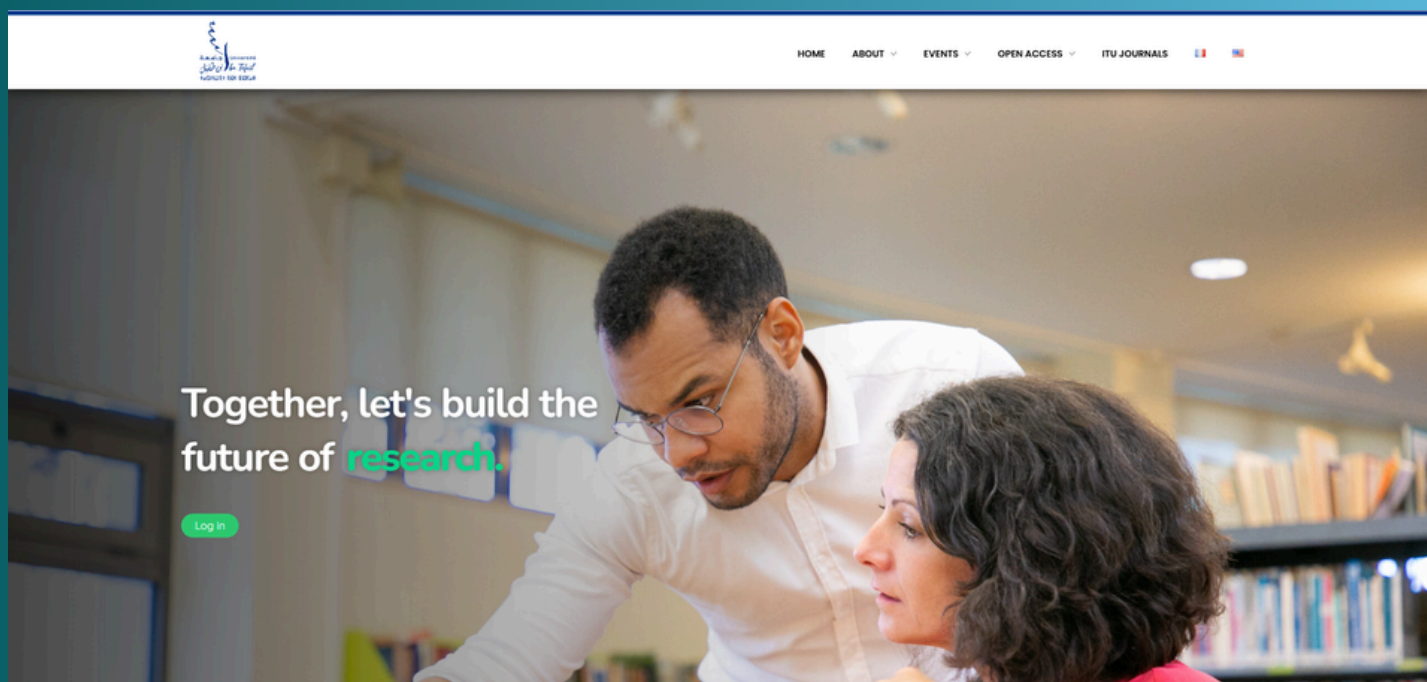
The Scientific Publication Support Center is a dynamic entity aimed at providing essential support to researchers to promote excellence in the dissemination of scientific work. It accompanies researchers by providing them with the necessary tools and resources.

Missions:

- Providing support and guidance to researchers.
- Funding publications.
- Promoting publication ethics.
- Promoting interdisciplinary research.
- Offering training and workshops.
- Collaborating with publishers and scientific journals.
- Subscribing to specialized bibliographic databases.
- Evaluating the impact of university research through bibliometric analysis of research indicators.

Services:

- Support in researching an indexed journal
- Assistance with writing and editing papers.
- Translation Assistance
- Financial support for publication
- Access to bibliographic resources.



University Center for Analysis, Technology Transfer Expertise, and Incubation

The University Center for Analysis, Technology Transfer Expertise, and Incubation (CUAE2TI) has as its main mission to federate activities such as analysis, expertise, service provision, or research for the benefit of its academic and industrial partners to encourage interdisciplinary research. It also provides researchers with assistance in patent filing procedures and encourages, through various means, the valorization of scientific research and the incubation of innovative projects.

The center's mission is to federate all activities of analysis, expertise, and service provision within the University in order to promote interdisciplinary research:

- Analyses: water, air, soil, food, chemical, biological, physical, etc.
- Studies, Expertise, Consultancy: legal, social, linguistic, technical, etc.
- Technology Transfer: identify and assess sector constraints, feasibility studies (prototype), techno-economic study, support companies in their development projects, etc.
- Incubator: creation of small businesses for young researchers and a platform for companies to establish a subsidiary or diversify their products.



Diversification of Academic Offers & Opportunities

Interdisciplinary research is crucial for stimulating innovation. By encouraging cooperation between scientific disciplines, UIT facilitates the development of innovative ideas that can lead to technological advancements. UIT establishes a system of education that encourages training and education directed to interdisciplinary research.

In this regard, UIT launched the operational deployment of several priority initiatives of the ESRI-2030 Pact. It saw the launch of 7 new Centers of Excellence. These centers aim to enhance the value of open-access faculties and provide an opportunity for students to redirect their academic paths, develop skills in various fields, and enhance their prospects for employment.

Ibn Tofail University's support for research is evident through initiatives like facilitating project setup and management, and offering access to shared resources. The emphasis on creating a supportive ecosystem for interdisciplinary collaboration extends to both students and early career researchers within the Centers of Excellence.



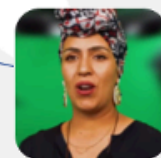
7 Centres d'Excellence

- Aménagement, équipement des locaux et mise en place de **signalétique de visibilité** du Centre

Centres d'Excellence



• **Nomination d'un Directeur du Centre et affectation de l'équipe**



The establishment of Centers of Excellence at UIT is intended to enable outstanding students to pursue targeted training programs that can improve their prospects for successful integration into the job market. The establishment of Centers of Excellence at UIT not only enhances educational opportunities but also aligns with the university's commitment to supporting early career researchers in exploring interdisciplinary research between science subjects. These centers serve as dynamic hubs where students, including early career researchers, can forge interdisciplinary connections, develop skills across various domains, and explore collaborative research initiatives.

The emphasis on targeted training programs within these centers allows researchers to deepen their expertise while fostering collaboration between diverse scientific fields. These centers play a crucial role in redefining academic pathways, offering opportunities for students and future researchers to navigate between disciplines, and contributing to the holistic development of their skills. This integrated approach not only benefits early career researchers in their academic pursuits but also enhances their prospects for successful integration into the job market by cultivating a well-rounded skill set that spans multiple science subjects.

Evaluation Indicators for Laboratories

The evaluation of the scientific production of the 31 laboratories was established based on indicators proposed by the scientific commission, taking into account, on one hand, indexed publications, the number of books, the number of supported theses, the number of supervised theses, the number of patents, the number of citations, and the number of published chapters, and on the other hand, the number of human resources comprising teachers, supervisors, and doctoral students.

UIT assesses interdisciplinary collaboration by tracking the number of research projects involving teams of researchers from different scientific disciplines. UIT also examines the frequency of joint publications among these researchers, as well as their impact in specialized journals.

Next, UIT measures the success of interdisciplinary projects in terms of funding obtained. A great importance is given to the researchers' ability to secure grants for interdisciplinary projects from national and international funding agencies.

The performance indicators used by UIT to measure the success of its interdisciplinary research, include:

- The number of research projects involving teams of researchers
- The rate of participation in national and international calls for bids
- The number of provided services
- The number of signed research contracts
- The rate of patent applications
- The number of accepted patents
- Budget evolution
- The execution rate of research contracts
- The number of mobilities
- The number of scientific events carried out by the university
- The evolution of the amount reserved for publication support

Research Laboratory Accreditation and Re-accreditation

The accreditation and re-accreditation process for the university's research laboratories is underway, with completion expected by the end of December 2028. Facilitated by a digital platform developed by the Research Structures Department, this initiative actively engages faculty researchers in the updated framework. The objective is to align the university's research efforts with local, regional, and national priorities while addressing contemporary societal and economic challenges.

Internal Regulations of Research Laboratories

- In addition, several meetings with members of the research commission have led to the development of new internal regulations for the laboratories. Designed to meet the expectations of faculty researchers, these regulations are actually in effect from 2024. They are intended to support the university's overarching strategy and align with regional and national priorities, ensuring impactful and relevant research.

Physical facilities and Administrative Support for research and interdisciplinary research at UIT

UIT places a strong emphasis on facilitating and maximizing the effectiveness of research teams through extensive administrative support. The university recognizes the complexities associated with collaborative endeavors across disciplines and has implemented various measures to streamline processes, enhance resource access, and nurture a conducive environment for interdisciplinary research.

Ibn Tofail University has a clear strategy for the promotion and structuring of research, which is based on the networking of research structures within the framework of interdisciplinary projects and the pooling of means and equipment. This works to group opportunities and avoid resource dispersion. UIT has several collaborative workspaces equipped with new technologies, designed to encourage creativity and cooperation among researchers from different disciplines. The university provides interdisciplinary laboratories equipped with a diverse range of scientific and technological instruments. These laboratories offer researchers the opportunity to explore multidisciplinary approaches to solving complex problems.



Ibn Tofail University provides specific physical facilities for all the interdisciplinary research teams between scientific disciplines in accordance with their needs. These facilities include: collaborative workspaces, shared laboratories, meeting rooms, conference rooms, specialized research equipment, etc.

In this context, to promote excellence, UIT has set up different initiatives and projects. Examples of these include:

- The creation of the city of innovation to encourage collaboration between disciplines and also, reward researchers who participate.
- Encouraging participation in interdisciplinary conferences: UIT encourages researchers to participate in interdisciplinary conferences and present their work to increase the visibility of interdisciplinary research.
- Recruitment of interdisciplinary staff to enrich the diversity of skills and competencies.
- Financial support for interdisciplinary research, such as research grants, to encourage collaboration between disciplines.

The CUAETTI center has qualified staff that work to support the researchers and meet the requirements of its partners in terms of analysis, expertise, and delivery of service and research.

Ibn Tofail University has approximately invested 20 MDH over the past years to support interdisciplinary research and has recruited, in addition to contract employees, several permanent executive employees to fulfill its commitments towards its industrial and university partners.

Ibn Tofail University provides tailored administrative support to the research teams. This support includes dedicated administrative personnel and departments equipped with the needed knowledge and expertise. These administrative staff members assist research teams in navigating complex funding opportunities and ensure that research projects receive the necessary administrative support.

The implementation of interdisciplinary research at Ibn Tofail University is supported by dedicated physical facilities for the research teams. The 31 laboratories are designed to encourage collaboration between scientific disciplines, fostering the exchange of ideas and the implementation of interdisciplinary research projects. These facilities provide an environment conducive to innovation and cooperation among researchers from different scientific fields. This includes:

❖UIT offers comprehensive administrative assistance for interdisciplinary research. This support includes aiding research teams in the planning phase, budgeting processes, monitoring project progress, and preparing and submitting required reports. By providing administrative expertise, UIT ensures that interdisciplinary teams can focus on the scientific aspects of their projects without being encumbered by bureaucratic hurdles.

- ❖ UIT has a dedicated administrative personnel with the aim to provide interdisciplinary research funding mechanisms and grant application processes.
- ❖ UIT assists interdisciplinary research teams in setting up and managing their projects. This support encompasses logistical aspects, coordination of team members, and ensuring that all necessary resources are allocated appropriately.



❖ In collaboration with CNRST, UIT provides free access to bibliographic databases, equipping interdisciplinary teams with valuable resources for literature reviews, data analysis, and staying updated on relevant research. Additionally, UIT offers access to shared resources, including state-of-the-art laboratories, computer facilities, and the central library.



❖UIT recognizes the importance of continuous skill development for interdisciplinary researchers. The university provides ongoing educational opportunities for researchers to enhance their skills and competences. This includes workshops, seminars, and training sessions tailored to their evolving needs.



❖ Through international collaborations, UIT extends its support to facilitating mobility opportunities for researchers, enabling knowledge exchange, and building relationships with international partners. By fostering global connections, UIT enhances the reach and impact of interdisciplinary research conducted at the university.

This ensures that interdisciplinary researchers have the necessary tools and infrastructure to conduct their work effectively. Through these initiatives, the university creates an environment where researchers can thrive, exchange ideas, and contribute meaningfully to addressing complex challenges through interdisciplinary approaches.



Scientific Research Monitoring Unit

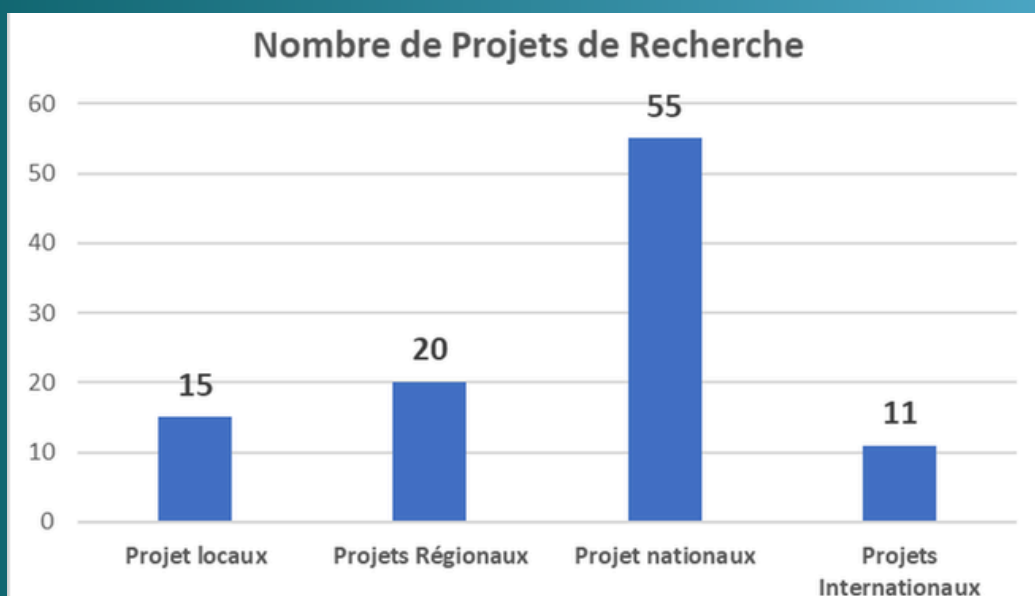
The monitoring unit dedicated to project calls, mobility programs, scientific events, and competitions has shared 35 opportunities with researchers in 2024. These initiatives have resulted in mobility exchanges, awards for doctoral students and engineers, and increased participation in scientific competitions.

This mechanism plays a key role in advancing research at the university and enhancing academic engagement.

Research Projects at UIT

UIT prioritizes scientific research and has devoted **10,000,000.00 MAD**. **Therefore**, UIT has consequently engaged in new projects at local, regional, national and international levels, as illustrated in the graph below.

In terms of research project development, four projects have been selected for the year 2024 with a total budget of **3,050,000.00 MAD** as outlined in the following table.



Using remote sensing and geographic information systems for delineating suitable sites for artificial groundwater recharge : a multi-criteria decision-making approach	Maroc Italie CNR	50.000 DHS
SUPREM-MILK: Towards a more sustainable and resilient Mediterranean milk supply chain	(PRIMA Section 2 Call 2023)	1.000.000 DHS
Innovative and safe antimicrobial bioplastics for food preservation in the Mediterranean area. (SAFOOD4MED)	(PRIMA Section 2 Call 2023)	1.000.000 DHS
Project OKEANO Supporting the All-Atlantic Ocean Research and Innovation Alliance and Declaration	Horizon Europe	1.000.000 DHS

Scientific Research Monitoring Unit

Training programs

Ibn Tofail University has implemented various initiatives to strengthen the skills of its teachers and doctoral students, facilitate access to scientific resources, and promote international collaborations:

- Research Tools: Workshops on database management, access to high-level scientific journals, and the use of impact indicators.
- Scientific Writing: Sessions to assist doctoral students in writing articles and structuring their thesis work.
- Digital Skills: Training sessions on the use of databases (Elsevier, Springer) and bibliometric tools like Scopus to optimize scientific production.
- International Programs: Presentation of the Fulbright Study Grant and Joint-Supervision programs in partnership with MACECE, offering research and study opportunities in the United States.

To enhance the skills of teacher-researchers, online training sessions have been organized in key areas to improve research quality and boost the university's global impact:

1. Project Development

Seminars on designing research projects, securing funding, managing budgets, and establishing strategic partnerships.

2. Scientific Writing

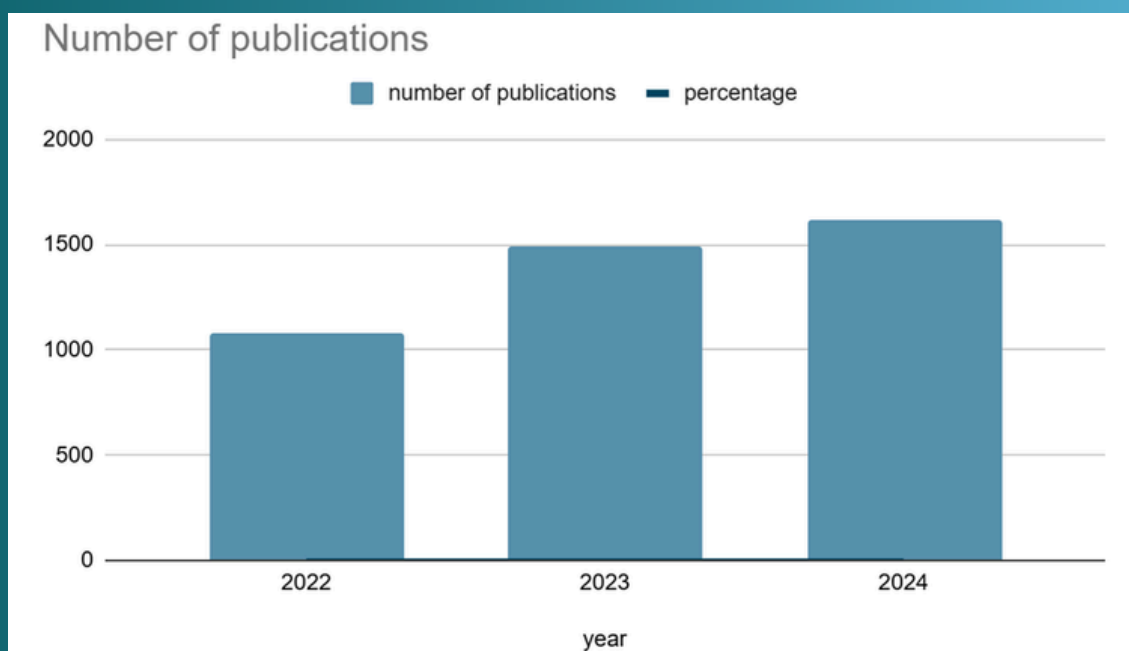
Workshops focused on drafting high-quality articles that meet the standards of indexed journals, with strategies to increase their impact.

3. Digital Skills

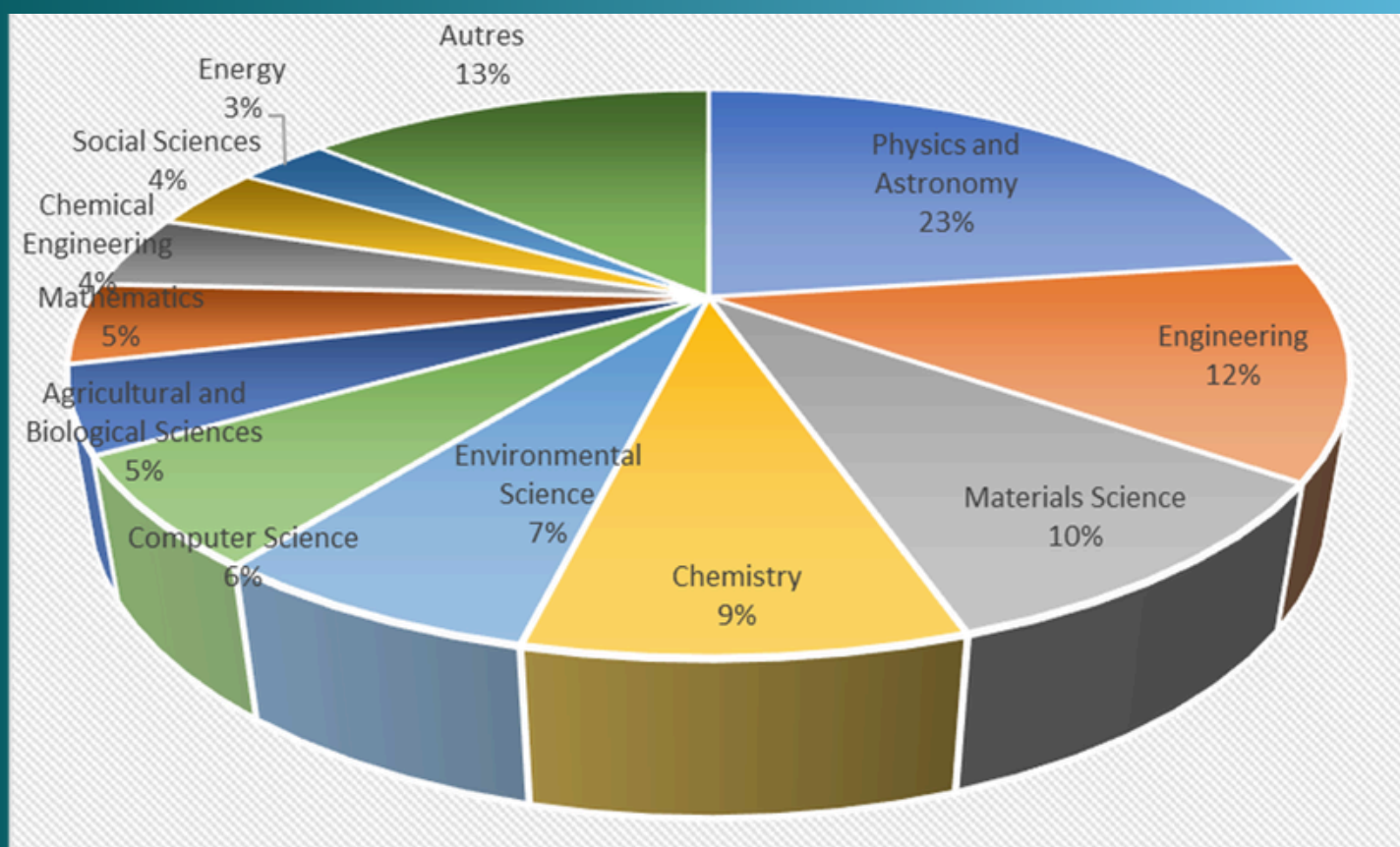
Training on effectively using databases (Elsevier, Springer, Scopus) to enhance scientific research and data analysis.

Scientific Publication at UIT

Over the past three years, scientific publications at Ibn Tofail University have covered a wide range of disciplines, reflecting the university's diverse research contributions. These disciplines include Engineering, Computer Science, Physics and Astronomy, Mathematics, Environmental Science, Materials Science, Chemistry, Agricultural and Biological Sciences, Energy, Medicine, Biochemistry, Genetics and Molecular Biology, Decision Sciences, Pharmacology, Toxicology and Pharmaceuticals, Multidisciplinary studies, Earth and Planetary Sciences, Chemical Engineering, Health Professions, Neuroscience, Nursing, Immunology and Microbiology, Veterinary Science, Social Sciences, Psychology, Arts and Humanities, Business, Management and Accounting, as well as Economics, Econometrics and Finance.



-> Analysis of the distribution of Q1 and Q2 publications by field:



-> Publication distribution by SDG at UIT from Scopus 2024:

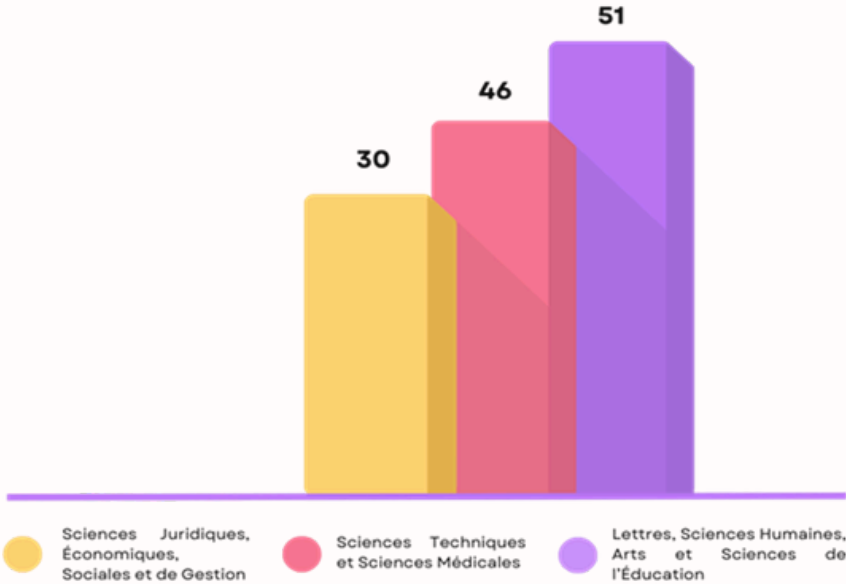


Scientific Events and National Priorities

In 2024, Ibn Tofail University demonstrated its commitment to scientific research and knowledge dissemination by organizing 127 scientific events across its 11 institutions. Among these, 9 events received financial support from the National Center for Scientific and Technical Research (CNRST), with a total funding amount of 186,800 dirhams. These events provided valuable opportunities for researchers, scholars, and students to engage in academic discussions, share innovative ideas, and strengthen collaborations across various fields of study. The table below shows scientific events held by CNRST.

 Date de l'événement	 Thématique de l'événement	 Montant de soutien	 Numéro Contrat
20 Février 2024 22 Février 2024	International Polydisciplinary Conference on Artificial Intelligence and New Technologies	25.000 DHS	63/2024
23 Avril 2024 25 Avril 2024	9ème édition du Colloque Maghrébin de Géophysique Appliquée	22.400 DHS	1087/2024
16 Octobre 2024 17 Octobre2024	L'imposture dans la littérature et les arts contemporains	20.800 DHS	1200/2024
31 Octobre 2024 02 Novembre 2024	Didactiques des Mathematiques et Prespectives Educatives -sous le theme- Decouvertes et Heritage : Hommage à l'influence de Guy Brosseau dans la Didactique, l'Education Mathematique et Scientifique	23.000 DHS	1201/2024
01 Novembre 2024 02 Novembre 2024	The International Conference on Big Data and Artificial Intelligence Applications (ICBDAIA'24)	23.800 DHS	1228/2024
20 Novembre 2024 21 Novembre 2024	Humanités Numériques, Innovations et Défis dans un Monde en Mutation	13.000 DHS	1193/2024
02 Decembre 2024 03 Decembre 2024	1ère Edition du colloque International sur l'Activité Physique Adaptée	24.000 DHS	1242/2024
05 Decembre 2024 06 Decembre 2024	The 6th International Conference on : Arabic comparative Linguistics	16.800 DHS	1248/2024
18 Decembre 2024 20 Decembre 2024	International Conference on Artificial Intelligence, Security and Networking (CAISN2024)	18.000 DHS	1264/2024

--> The graph below shows UIT’s scientific events based on academic discipline.



The events organized align with national priorities, focusing on critical areas such as water resources, healthcare, renewable energy, and artificial intelligence. These themes reflect the strategic direction of research at Ibn Tofail University, addressing pressing societal and environmental challenges. Conferences, workshops, and seminars provided platforms for experts to exchange knowledge, propose innovative solutions, and foster interdisciplinary collaboration. The emphasis on these key sectors highlights the university's commitment to contributing to sustainable development, scientific advancements, and technological progress at both national and international levels. The following figures illustrate the impact and distribution of these events across different fields.

Activities of the Scientific Research Support Center (CARS)

The Scientific Publication Support Center (CARS) aims to provide essential support to researchers throughout the publication process, with the goal of promoting scientific excellence through the following missions:

- Facilitating access to resources
- Offering training sessions and workshops
- Supporting journals edited by UIT researchers
- Collaborating with publishers and scientific journals
- Promoting publication ethics
- Funding for publications
- Evaluating the impact of research

In September 2024, Ibn Tofail University introduced The Journal of International and Prospective Studies (JIPS), an open-access scholarly publication focused on original research in the fields of international relations and forward-looking studies. JIPS serves as a forum for analysis and discussion, inviting researchers to delve into the political, economic, social, and cultural aspects of international relations. The journal features two regular issues per year, alongside an annual special issue dedicated to a particular theme.

Launch of EBSCO Digital Platform Access for Researchers at Ibn Tofail University

Ibn Tofail University has introduced access to the EBSCO digital platform, reinforcing its dedication to advancing research and innovation. This renowned global resource is now accessible to all the university's researchers, offering an extensive collection of academic and scientific materials.

EBSCO offers a wide array of content across several key disciplines:

- Humanities: including literary studies, critiques, history, and culture.
- Social Sciences: covering sociology, psychology, gender studies, and anthropology.
- Economics: featuring economic analyses, market studies, and financial research.
- Health: providing medical research, public health topics, and clinical articles.
- Engineering: focusing on technological innovations and applied sciences.

Important statistics in 2024 by CARS

- Financed publications: 33
- Realised translations: 8
- Scientific revisions: 4
- Organised workshops & trainings: 47
- Visitors / Accompanied Researchers: 989

Launch of a Service for Monitoring Scientific Publication Opportunities

In 2024, 33 calls for submissions were circulated, resulting in over 260 visits to the Scientific Publication Support Center for personalized assistance. This service plays a key role in enhancing the visibility, impact, and quality of research conducted at the university.

Strengthening Scientific Publishing Skills: Training Sessions and Workshops

The Scientific Publication Support Center offers training sessions, webinars, and seminars to assist researchers in mastering academic writing, selecting high-quality journals, and meeting the requirements of recognized databases. An updated list of these activities is available on its official website, cars.uit.ac.ma. In 2024, 45 training sessions and workshops were communicated to researchers and published on the center's website.

Production and Promotion of Scientific Research

An analysis of scientific production in 2024, based on Scopus and Web of Science, reveals notable outcomes. In 2023, Ibn Tofail University (UIT) published 1,403 articles, achieving a Scopus ratio of 1.87, which surpasses the national average. In 2024, production rose by 15%, reaching 1,605 articles with a ratio of 1.95. These figures highlight the university's continued commitment to fostering quality research.

Publications by SDG (Sustainable Development Goal)

In 2024, Ibn Tofail University made significant contributions to the Sustainable Development Goals (SDGs) through its scientific output. The publications cover several SDGs, with a particular focus on SDG 3 (Good Health and Well-being), SDG 7 (Affordable and Clean Energy), and SDG 6 (Clean Water and Sanitation).

Ibn Tofail University promotes interdisciplinary research through career development initiatives supported by the Empowerment Center, including training, mentoring, and capacity-building programs.

These initiatives strengthen researchers' skills in interdisciplinary collaboration and innovation, encouraging engagement in cross-disciplinary research projects.

This system contributes to the recognition and advancement of academic staff involved in interdisciplinary research by supporting their professional development and research performance.

QS World University Rankings: Sustainability

For the second consecutive year, Ibn Tofail University is featured in the prestigious QS World University Rankings: Sustainability (QS-WUR 2025), published on December 10, 2024. This global ranking, established 20 years ago, evaluates institutions based on their management of environmental, social, and governance issues. It includes 1,751 institutions from 100 countries and is one of the three most widely recognized rankings at the international level. In this edition, Ibn Tofail University in Kenitra ranked 504th internationally and holds the top position nationally for "Good Governance".

TIMES HIGHER EDUCATION WORLD UNIVERSITY RANKINGS 2025

Ibn Tofail University in Kenitra has been ranked first among national public universities in the Times Higher Education World University Rankings 2025. This prestigious ranking evaluates universities based on 13 criteria across 5 categories: teaching, research, knowledge transfer, research influence, international outlook, and innovation. This recognition reflects the university's collective commitment to excellence and innovation, involving academic staff, administrators, and students.

Ibn Tofail University has been ranked first among both public and private national universities and is placed in the 401-600 range globally in the Times Higher Education Impact Ranking 2024. This ranking evaluates universities based on the 17 Sustainable Development Goals (SDGs) of the United Nations, considering over 2,152 institutions from 125 countries. The university distinguished itself through its global ranking and excellence in several thematic areas, including clean energy, quality education, and water and sanitation.

Ibn Tofail University has been ranked first among national universities and is placed between 351st and 400th globally in THE Young University Rankings 2024.

Ibn Tofail University has made a significant mark at the Arab level, becoming the only Arab university to win two awards in the history of the THE AWARDS Arab University Summits:

- Recognized as the Best Arab University for student support initiatives.
- Awarded the title of Best Arab University for excellence in leadership projects.

These honors highlight the university's dedication to enhancing student support and leadership development, showcasing the collaborative efforts of its academic staff, administrators, and students.

Recognition in Interdisciplinary Science Rankings

Ibn Tofail University ranked 1st nationally and 124th globally in the THE Interdisciplinary Science Rankings 2025, reflecting its strong interdisciplinary research performance.



FINANCIAL AND SOCIAL SUPPORT FOR STUDENTS AT UIT

Scholarship Management

Scholarship or financial support is a crucial element for the development of students' performance, as it allows university students to fully focus on their studies and research without being burdened by financial concerns. It also contributes to the student's independence, as they are no longer continuously financially supported.

The following is the global situation of scholarships for the 2024-2025 academic year, as of December 15, 2024.

The provision of scholarships and funding opportunities by UIT shows its commitment to nurturing the next generation of scholars and researchers. It reflects a recognition of the importance of investing in academic talent and fostering an environment where students can thrive academically and contribute meaningfully to their respective fields of study. Interdisciplinary research often requires resources beyond what is typically allocated for single-discipline projects. Researchers may need access to specialized equipment, databases, or facilities from different fields, which can incur additional costs. The financial support provided by UIT enables researchers to procure these resources and conduct comprehensive interdisciplinary investigations.

Etablissements	Total des inscrits 2024 /2025	Total des demandes envoyées	Total mandatés	Pourcentage des étudiants mandatés par rapport au nombre d'inscrits
ENCG	3310	2347	0	0,00%
ENSA	2848	1769	280	15,83%
ENSC	455	418	67	16,03%
ESEF	5248	5008	1771	35,36%
EST	1068	808	95	11,76%
FEG	12484	10243	1313	12,82%
FLLA	11812	9799	1266	12,92%
FS	10163	6668	1141	17,11%
FSHS	13698	10668	2204	20,66%
FSJP	19146	17979	4172	23,20%
IMS	961	699	126	18,03%
Total	81193	66406	12435	18,73%

-> Tab: Global situation of scholarships

Social support

As part of its development program, Ibn Tofail University ensures that every student has medical coverage during their years of study, allowing them to benefit from various services. In collaboration with the National Fund for Social Security Organizations (CNOPS), UIT provides students who meet the eligibility criteria with basic AMO medical coverage for students.

-> **Tab. Processing of CNOPS requests for students enrolled in 2024-2025 (Until December 16, 2024)**

Etab.	Total des inscrits	Total des inscrits ayant moins de 30 ans	Demandes Fichiers envoyées à la CNOPS	Pourcentage de demandes envoyées (%)
ENCG	2953	2885	622	21,06%
ENSA	2028	1899	443	21,84%
ENSC	455	455	76	16,70%
ESEF	5222	5211	2631	50,38%
EST	786	783	306	38,93%
FEG	11828	11401	5155	43,58%
FLLA	11616	9315	4687	40,35%
FS	9535	8937	3957	41,50%
FSHS	12964	18062	5530	42,66%
FSJP	19306	17045	10322	53,47%
IMS	929	898	130	13,99%
Total	77622	76891	33859	43,62%

->Tab. AMO-E situation as of December 16, 2024

Etab.	Demandes éligibles traités par la présidence	Demandes rejetées par la Présidence (Erreur de données)	Demandes Fichiers envoyées à la CNOPS	Demandes Signées reçues à la CNOPS	Etudiants Immatriculés	Etudiants Rejetés suite aux contrôles
ENCG	779	157	622	374	290	83
ENSA	509	66	443	289	230	58
ENSC	86	10	76	38	34	4
ESEF	3095	464	2631	1836	1720	116
EST	370	64	306	196	176	20
FEG	6226	1071	5155	3802	3465	337
FLLA	5539	852	4687	3597	3317	271
FS	4595	638	3957	3077	2799	277
FSHS	6520	990	5530	4207	3950	253
FSJP	12146	1824	10322	8077	7636	426
IMS	165	35	130	80	69	11
Total	40030	6171	33859	25573	23686	1856

Social inclusion of people with disabilities

The space for students with disabilities at Ibn Tofail University is dedicated to welcoming and providing educational support for students with a valid disability diagnosis, in order to optimize their study paths and exams. This is done to enable them to study under the most favorable conditions, ensuring equal opportunities, promoting greater autonomy, and leading to better integration.

Main missions: Helping them compensate for difficulties in handwriting or reading and promoting access to new information technologies: adapted peripherals or software (computers equipped with software and internet connections, Braille printer, Braille notepad, scanner, electronic magnifier, sound processing system, character recognition and translation software, speech synthesis system, etc.). Specific training on tools and software. Raising awareness, providing information, and communicating about disability issues. Assistance with mobility: wheelchair or other equipment.

The number of students currently enrolled has reached 20 students. Specific training is provided for these young people, particularly in coding, in the Code 212 space.

Spaces and equipment provide students with disabilities access to computing equipment to compensate for difficulties in handwriting or reading and promote access to new information technologies. These include:

- Acrobat HD Ultra LCD 27" Desktop Magnifier
- Index Everest D-V4 Braille Embosser
- HP Scanjet G4010 Photo Scanner
- ZOOMAX Snow 7" HD Electronic Magnifier
- Focus 40 Blue Braille Notepad
- Braille EDGE 40
- GlassOuse
- PIAF Tactile Image Maker
- IVEO Hands-On Learning System - IVEO
- Ergonomic keyboard with removable finger guide
- Greystones digital big keys keyboard
- Computers
- Tablets

Inclusion through extracurricular activities: students with disabilities have been grouped into a club to engage in cultural activities and make their voices heard.

This club is named "Dawi Alhimam" (Determined People).

INNOVATION

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*Transforming
Ideas into Impact:
UIT's Innovation
Ecosystem*

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Scientific research and innovative Partnership

->Tab. Issued Certificates

Title	Date of delivery	N°
New Organic-Inorganic Hybrid Compound as a Corrosion Inhibitor for Mild Steel in H_2SO_4 Medium	01/01/2024	MA 55992
3-[2-(2-Amino-1H-benzimidazol-1-yl)ethyl]-1,3-oxazolidin-2-one as a Compound with Selective Activity Toward the Alpha-2 Subunit of the GABAA Receptor for the Treatment of Anxiety and Depression	11/10/2024	MA 54635
New Modified Alginate-Based Porous Antibacterial Films	30/09/2024	MA 57220
Anticorrosion and Antifungal Composition for Neutral Media, Based on Polyethylene Glycol and Impregnation Baths for Composite Wood-Iron Archaeological Artifacts	30/09/2024	MA 58723
(Triple-Action) Formulation: Corrosion Inhibitor, Biofungicide, and Visual Indicator of Treatment Solution Quality in Neutral Media, Based on Polyethylene Glycol and Impregnation Baths for Composite Wood-Iron Archaeological Artifacts	30/09/2024	MA 58724
New Heterocyclic Compounds of the 1,3,4-Thiadiazine Type for the Treatment of Type 2 Diabetes	30/09/2024	MA 59016
New Pyrimido[2,1-c][1,2,4] Triazepine Derivatives Useful as Antidiabetic Agents	31/10/2024	MA 59017
Use of a Heterogeneous Solid Catalyst for the Knoevenagel Reaction	29/10/2024	MA 54775
Total Number of Certificates Granted	8	

Innovative Entrepreneurship

The Innovative Entrepreneurship Structure fosters creativity and business acumen by engaging participants in a dynamic, hands-on environment. Central to this structure are Hackathon 1 and Hackathon 2, which serve as key platforms for students, entrepreneurs, and innovators to collaborate and solve real-world challenges. Hackathon 1 focuses on idea generation and rapid prototyping, where participants work in teams to develop and pitch their concepts, competing for resources and mentorship. Hackathon 2, building on the foundation of the first, emphasizes refining these ideas into viable business models, with a focus on commercialization, scalability, and market impact. Together, these hackathons provide a robust framework for nurturing innovative solutions while encouraging entrepreneurial skills, offering participants the opportunity to transform their ideas into tangible, impactful ventures.

Hackathon 1

Number of projects :

Type	Number
Number of projects submitted	150
Number of projects selected	50
Number of themes	4
Number of finalists	3

Hackathon 2

Number of projects in all categories

Type	Number
Number of projects submitted	48
Number of projects selected	20
Number of themes	1

To help students transform their ideas into the real world, the university must establish strategic partnerships at both national and international levels. These collaborations will provide students with access to a broader network of resources, expertise, and opportunities, enabling them to bring their innovative ideas to fruition. Furthermore, these partnerships will not only benefit students but also contribute to enhancing the university's output in line with the Sustainable Development Goals (SDGs) set by the European Union. By fostering these connections, the university can support the creation of impactful solutions that align with global sustainability efforts, while strengthening its role as a leader in research and innovation.

Infrastructure Innovation inside campus

UIT is in the process of acquiring cutting-edge equipment capable of meeting the demands of the most advanced research and attracting national and international collaborations. This strategic approach includes the acquisition of major technological devices. These tools serve as a lever for competitiveness and visibility for the university. Their impact is measured by their ability to produce reliable data, support multidisciplinary projects, and strengthen the capacity for scientific publication in high-level journals.



1- Smart library

The library covers an area of 5,178 m² and stands out for its modern and innovative equipment, making it a true smart building. It has a total of 1,500 physical seats, distributed between two large reading rooms (Room 1 with 750 seats and Room 2 with 750 seats), a room dedicated to researchers, the administration, and two rooms for new arrivals. The shelving units, totaling 30, can hold up to 2,000 books. To facilitate access and resource management, the library is equipped with sophisticated devices such as 6 automated check-out and return stations, a smart shelf, secure access doors for students, and anti-theft gates.



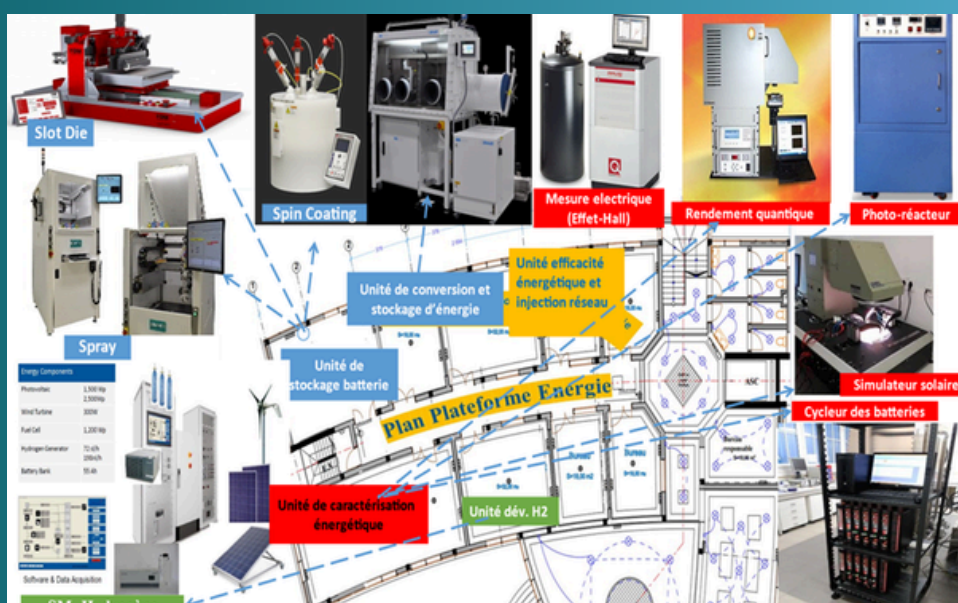
Additionally, the building is equipped with 32 access points to the connected campus, ensuring excellent connectivity. A video surveillance system covers the entire building, providing security for the premises. With sensors and an advanced visitor counting system, the management and optimization of traffic flows are made easier. This modern infrastructure transforms the library into an ideal space, blending technology and comfort to meet the needs of students and researchers. The smart building system of the university library is a building management system (BMS). This system allows for the management of the library's technical equipment, including:

- Energy meters
- Lighting management
- Water meters
- Weather station
- Temperature sensors

2- Innovation city

The City of Innovation, designed as a unifying platform, embodies an integrated vision of scientific research. It brings together major infrastructures with advanced technical features identified as essential by the scientific community. These facilities are intended for high-level research activities and enable the pushing of current knowledge boundaries. By concentrating these resources in a single location, the university optimizes their use, ensures their maintenance, and facilitates their management, thus contributing to efficient resource sharing.

The City of Innovation at UIT is an exemplary model of integration between scientific research, innovation, and economic development. This platform brings together research and development centers, incubators, valorization structures, innovation-driven business incubators, and shared services, with the aim of promoting creativity and entrepreneurship.



The Energy Platform in the city of Innovation is dedicated to research and development in the field of clean and sustainable energy. It is structured into three main units. The first, the Green Hydrogen Experimentation Unit, focuses on developing advanced technologies for the sustainable production of green hydrogen. It includes a hybrid hydrogen energy management unit and utilizes techniques such as water electrolysis, powered by renewable sources like wind, biomass, and solar technologies, including thermosolar energy. The second, the Energy Characterization Unit, is equipped with specialized tools to assess and analyze the performance of energy devices. Together, these units position the platform as a strategic research hub to support the energy transition and promote technological innovation in this sector.

Ibn Tofail University has established an innovative digital platform that includes a data center and a high-performance computing center. Equipped with cutting-edge technologies, the data center ensures full sovereignty over data storage and processing, enhancing the university's autonomy. These state-of-the-art infrastructures support ambitious research projects and drive the university's digital transformation at all levels including administrative, academic, and scientific, while meeting the growing needs of academic and research activities.



Ibn Tofail University has also distinguished itself in terms of innovation by becoming the first Moroccan public university to complete the transfer of an invention patent to a private company. Furthermore, Ibn Tofail University has signed a framework agreement with the Ministry of Industry, Trade, and New Technologies for the establishment of an innovation city aimed at promoting expertise, research and development, technology transfer, entrepreneurship, and the incubation of innovative projects.

The innovation city focuses on 5 priority themes: renewable energies, new information and communication technologies, agri-food, materials science and environment, and sustainable development. It covers a total area of 5,000 square meters and includes research and analysis platforms, a fablab, a coworking space, office spaces for incubation, office spaces for startups, training rooms, and a Business Center.



- Water Technology Platform

The Water Management, Treatment, and Analysis Platform is a dedicated space for research and development of solutions to manage, analyze, and treat water, ensuring its quality and sustainability for various uses.

This platform consists of a Membrane Bioreactor (MBR) Treatment Plant and a Nano-Filtration/Reverse Osmosis (NF/RO) Demineralization Plant.

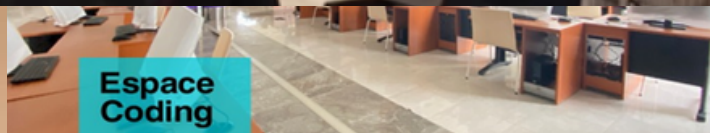
- Digital platform

High-Performance Computing Center

The computing center of the digital platform is designed to support complex and ambitious research projects across various fields, including artificial intelligence, scientific simulations, bioinformatics, and big data analysis.



- Code 212 center



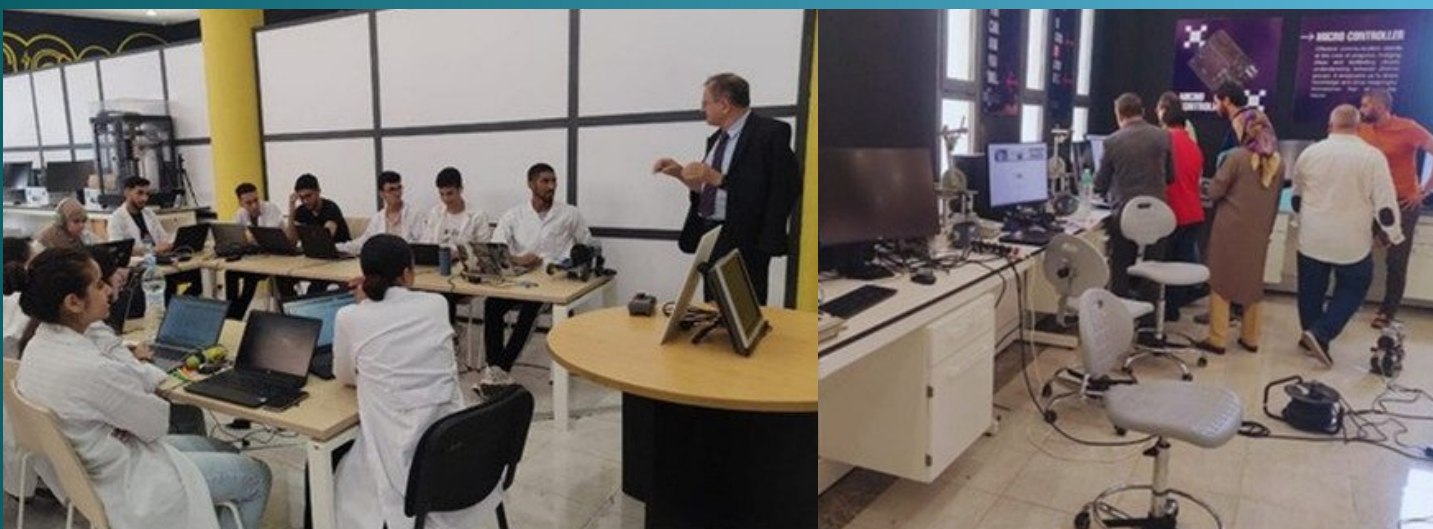
- **FAB-LAB Hub**

One of the core strengths of the Fab Lab is its ability to bring together individuals from different academic disciplines. Whether in engineering, art, or business, the Fab Lab fosters cross-disciplinary cooperation, encouraging students and researchers to collaborate on complex projects. By combining technical and creative skills, users can develop innovative solutions that have applications in various fields, from technical prototypes to artistic creations, enriching the learning experience for everyone involved.

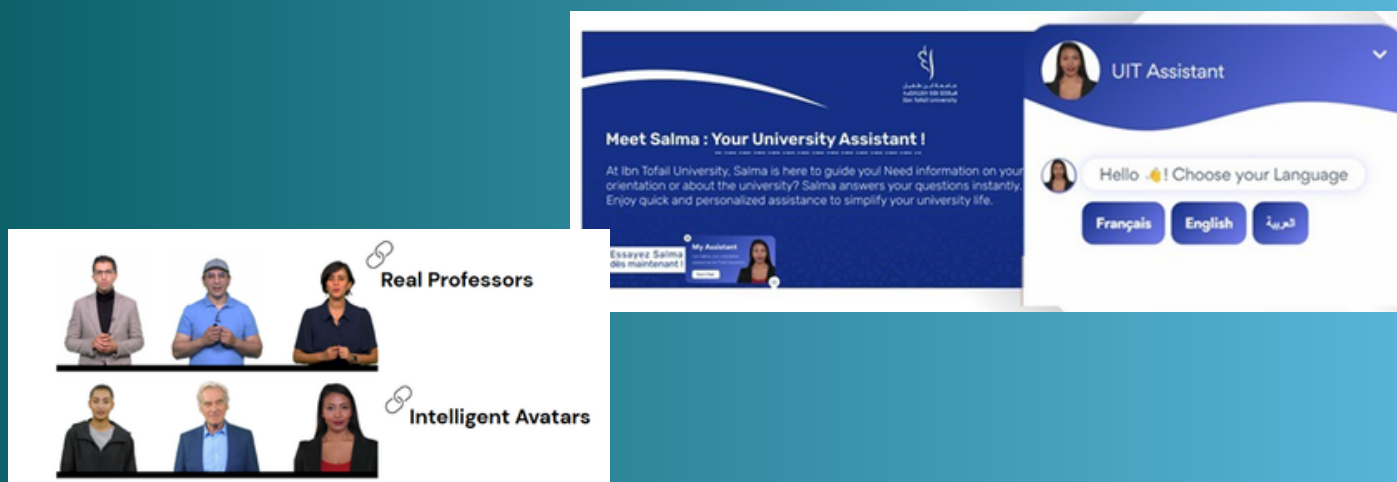
In addition to its role in education, the Fab Lab is also open to local entrepreneurs and businesses, providing them access to cutting-edge equipment and resources for their research and development (R&D) projects. This collaboration between academia and industry helps businesses reduce their R&D costs while fostering innovation. By supporting local enterprises in developing new products or refining existing ones, the Fab Lab strengthens the link between the university and the economic development of the region.

The Fab Lab plays a crucial role in promoting entrepreneurship among students and local community members. Through workshops, training programs, and mentorship, the lab equips aspiring entrepreneurs with the tools and knowledge to develop business ideas and launch startups. This practical experience helps bridge the gap between academic learning and real-world business challenges, empowering students to turn their ideas into viable enterprises while contributing to the local economy.

In summary, the Fab Lab at Ibn Tofail University is much more than just a technical workspace; it is a dynamic hub for learning, innovation, and entrepreneurship. By offering access to cutting-edge equipment, promoting interdisciplinary collaboration, and supporting sustainable business practices, the Fab Lab plays a vital role in advancing both academic and entrepreneurial success. Its impact reaches beyond the university, fostering economic and social development in the wider community.



- **Salma: A Multi-Form Digital Companion at UIT**



As part of its digital transformation strategy, Ibn Tofail University has introduced Salma, a multi-form digital companion designed to assist students throughout their academic journey. Salma exists across three key platforms, chatbot, robot, and avatar, each tailored to offer contextual, reliable, and student-centered support.

→ **A Personalized Orientation Assistant: Salma the Chatbot**

Available 24/7, the chatbot version of Salma is the university's official orientation assistant. It provides future and current students with relevant and tailored guidance to help them choose a study path based on their baccalaureate specialization and region. It also explains admission types, whether Open Access or Regulated Access with specific criteria, and helps students explore appropriate faculties and programs aligned with their academic profile. In addition, Salma gives access to detailed information about student services such as financial aid and learning resources, campus life including clubs and student events, university platforms like ENT, and the full registration process including pre-enrollment, required documents, and deadlines. Through personalized recommendations and structured guidance, Salma helps students make informed decisions and engage confidently with university systems.

→ **An Engaging Voice in Virtual Classrooms: Salma the Avatar**

In digital learning environments, Salma appears as an AI-powered avatar that acts as a virtual instructor. She guides students through complex concepts using animated videos, simple explanations, and an encouraging tone. This innovative use of artificial intelligence and virtual reality brings a more immersive and interactive learning experience. Salma not only helps students stay focused and motivated, but also creates emotional continuity within courses, making distance learning at UIT more dynamic, engaging, and student-centered. Her role reflects the university's broader commitment, through the Center for Pedagogical and Digital Innovation, to improving the quality and accessibility of education using advanced digital tools.

Development of collaborative spaces for innovation

Number of projects in incubation, by categories of promoters

Two Incubator Structures:

DIGITAL WORDS

This project aims to develop an application that can convert an Arabic manuscript into a computer file, either in text or PDF format. The complexity of recognition is addressed progressively. This corresponds to a proven need among researchers and institutions dealing with Arabic manuscripts, both nationally and internationally.

GUDRANTO

A platform where everyone can share, sell, and find travels or travel experiences. This way, people can earn money by selling their trips and they can also share their travel experiences with the whole world, not just with their friends and family. Everyone can share their favorite restaurants and places.

Joint R&D and innovation units with the company and the project portfolio for each unit

Project	Organization
Treatment of industrial effluents with high pollutant load through biomethanization	SUTRAMG
Expertise on the problem of scaling	ONEE
Production, Formulation, and Recycling of a Biofungicide and Biostimulant Product	ATRACO SARL
Advanced control system for smart and sustainable operation of connected agricultural greenhouses linked to hybrid microgrids	CNRST-MESRSI-UM6P-OCP
Amendments to phosphoryls: a promising solution to mitigate the effects of saline stress in orchards	CNRST-MESRSI-UM6P-OCP

Supported innovation projects

Project	PhD Students Involved
RESEARCH AND EXPERTISE CONTRACT BETWEEN IBM TOFAÏÏ UNIVERSITY KENITRA AND AGRICULTURAL AND TRADING COMPANY, ATRACO SARL: Theme: Scientific and Technical Cooperation in the Agricultural Field. • The work to be carried out within the framework of this project: • Production and formulation of biological products; • Field experimentation: Chemical and/or biological treatments, followed by laboratory analyses. • Mycological analyses of plant samples from different fields, nurseries, and production areas.	02
RESEARCH PROJECT ENTITLED "ADAPTATION OF THE OLIVE TREE TO CLIMATE CHANGE: USE OF GENOMICS AND ASSOCIATION GENETICS FOR VARIETAL SELECTION (CLIMGENOLIVE)" Between: • The Ministry of Higher Education, Scientific Research, and Innovation, Rabat, • Hassan II Academy of Sciences and Techniques, Rabat, • Cadi Ayyad University, Marrakech, • Ibn Tofail University, Kenitra • the National Institute for Agronomic Research, Rabat	02

HIGHLIGHTS

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*Unveiling Excellence: Highlights
of UIT's Collaborative Endeavors.*

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Fostering Sustainability: UIT's Interdisciplinary Collaboration with Climate-U Network

Many of today's most pressing societal challenges, such as climate change, public health crises, and technological innovation, require interdisciplinary approaches for effective solutions. Through its strategic collaboration with the Climate-U network, an international platform dedicated to fostering climate action and sustainable development through education and research, UIT has reinforced its dedication to interdisciplinary research. This partnership not only amplifies the university's role as a leader in sustainability-focused education but also opens up a plethora of opportunities for researchers to engage in cutting-edge research and development projects with a global impact.

The collaborative efforts between UIT and the Climate-U network have facilitated the exchange of knowledge, resources, and best practices, thereby fostering a robust ecosystem for the development of innovative solutions to combat climate change. Through collaborative research and development projects facilitated by the partnership, researchers at UIT now can contribute their expertise to the development of innovative solutions to mitigate the impacts of climate change and promote sustainable practices.



Partnership at national and international levels

UIT Reinforces Its Partnerships on National and International Levels

The University of Ibn Tofail (UIT) continues to strengthen its position as a leading institution by expanding and reinforcing its partnerships at both national and international levels. Through strategic collaborations with academic institutions, research centers, and industry leaders, UIT aims to enhance knowledge exchange, foster innovation, and improve the quality of education and research. These partnerships play a crucial role in advancing scientific cooperation, supporting student mobility, and aligning the university's initiatives with global academic and socio-economic trends. By reinforcing its network of collaborators, UIT reaffirms its commitment to academic excellence, sustainable development, and global engagement.

National partnership

Ibn Tofail University places great importance on national and regional partnerships, which are essential for strengthening its academic offerings, research, and societal impact. These collaborations aim to establish strong links between the university, economic stakeholders, and public institutions to better address the socio-economic needs of the region.

At the regional level, Ibn Tofail University works with local authorities and associations on sustainable development projects. These initiatives tackle local issues such as natural resource management, agricultural innovation, and the promotion of cultural heritage.

At the national level, the university collaborates with research centers and businesses to develop innovative training programs and support applied research. These partnerships provide students with internship opportunities and facilitate their professional integration through joint initiatives with the private sector and public authorities.

Institutional Partnerships

Several institutional partnerships have been established with key administrations, including:

- With the Ministry of Justice: To develop training programs related to crime.
- With the General Treasury of the Kingdom: Aiming to strengthen the skills of TGR executives and develop research in the field of public finance and financial innovation using Artificial Intelligence.
- Thematic Institute on Water: Creation of a national institute dedicated to centralizing research on issues related to this vital resource, under an agreement signed with public institutions.



Partnership agreement with the Ministry of Justice and the National Observatory of Crime

In a step aimed at strengthening academic and institutional cooperation, the President of Ibn Tofail University signed a partnership agreement with the Ministry of Justice and the National Observatory of Crime, in the presence of the Minister of Higher Education, Scientific Research and Innovation, as well as the Minister of Justice. The agreement aims to develop training and scientific research programs in fields related to justice and crime, enhancing the exchange of expertise and knowledge while establishing a sustainable partnership that serves the aspirations of all parties.



The University Caravan for Employment ANAPEC

Dans le cadre de son partenariat avec l'Agence Nationale de Promotion de l'Emploi et des Compétences (ANAPEC), Monsieur Président, a accueilli la Directrice Générale de l'ANAPEC lors d'une initiative placée sous le thème : « Plus proche des étudiants pour réussir leur intégration », elle a fait l'objet de la signature d'une convention qui a pour objectif d'accompagner les étudiants dans leur dans le meilleur professionnel par le biais d'entretien de conseils personnalisés, des sessions d'orientation, et une présentation des opportunités offertes dans différents secteurs, ce programme vise à renforcer leur employabilité et à faciliter leur insertion. Cette démarche illustre l'engagement conjoint de l'Université Ibn Tofail et de l'ANAPEC à valoriser les jeunes talents et à soutenir leur réussite professionnelle.



The inaugural conference of the 2024-2025 academic year

As part of the partnership agreement between the General Treasury of the Kingdom and Ibn Tofail University, Mr. Noureddine Bensouda, General Treasurer of the Kingdom of Morocco, delivered the inaugural conference of the 2024-2025 academic year on October 18, 2024, under the theme: "Public Finances Between Politics, Economics, and Law."

During his speech, Mr. Bensouda highlighted the crucial role of public finances in linking economic, political, and legal dimensions. He also emphasized the impact of budgetary policies on economic development and national stability, providing participants with an in-depth analysis of the challenges and opportunities in this strategic field.



Signing of an agreement on the creation of the National Thematic Institute for Scientific Research on Water



National Disability Day under the banner of Innovation and Commitment

Ibn Tofail University organized a study day on Friday, March 29, 2024, on the theme of disability in the era of artificial intelligence. The event was presided over by the Minister of Solidarity, Social Integration, and Family and brought together various stakeholders from different institutions, reflecting the university's commitment to social inclusion and the rights of people with disabilities.



Partnership agreement with the Provincial Council of Kenitra

As part of strengthening cooperation between educational institutions and local authorities, Ibn Tofail University and the Provincial Council of Kenitra signed a partnership agreement on January 19, 2024. This agreement aims to foster collaboration in various academic, social, and economic fields, enhancing the integration of higher education with local development.

The agreement outlines key areas of cooperation, including the organization of joint workshops, the provision of training and mentoring programs for students, and the development of research projects that address local community needs. It also seeks to strengthen interactions between Ibn Tofail University faculty members and local council officials to facilitate knowledge exchange and improve communication among stakeholders.

Through this partnership, both parties aim to contribute to sustainable development in the Kenitra region, benefiting students and the local community while enhancing education quality and promoting innovative projects that serve the area.



JOB FAIR Université Ibn Tofail

Ibn Tofail University organized the Employment Fair on December 4-5 to enhance student employability. The event, inaugurated by the university president and Mustapha El Omari, a member of the Human Capital Commission of CGEM RSK, brought together stakeholders from the Rabat-Salé-Kenitra region to discuss employment challenges and human capital development. Several agreements were signed with local and national industrial partners, providing opportunities for training, internships, and pre-employment.



Partnership agreement between Ibn Tofail University and CNESTEN (National Center for Energy, Science, and Nuclear Technology)

A partnership agreement was signed between Ibn Tofail University and the National Center for Energy, Science, and Nuclear Technology (CNESTEN) to promote scientific and technological advancement. This partnership aims to support research and development in key areas such as sustainable energy, peaceful nuclear applications, and environmental protection.

Through this collaboration, students and researchers will have the opportunity to benefit from the expertise and advanced technical facilities provided by CNESTEN, enhancing the quality of education and academic training. Additionally, the partnership will foster joint research projects focused on developing innovative solutions to Morocco's environmental and energy challenges.

Furthermore, this agreement will strengthen knowledge transfer and expertise exchange between the two institutions, reflecting their commitment to contributing to sustainable development and technological innovation at both national and international levels.

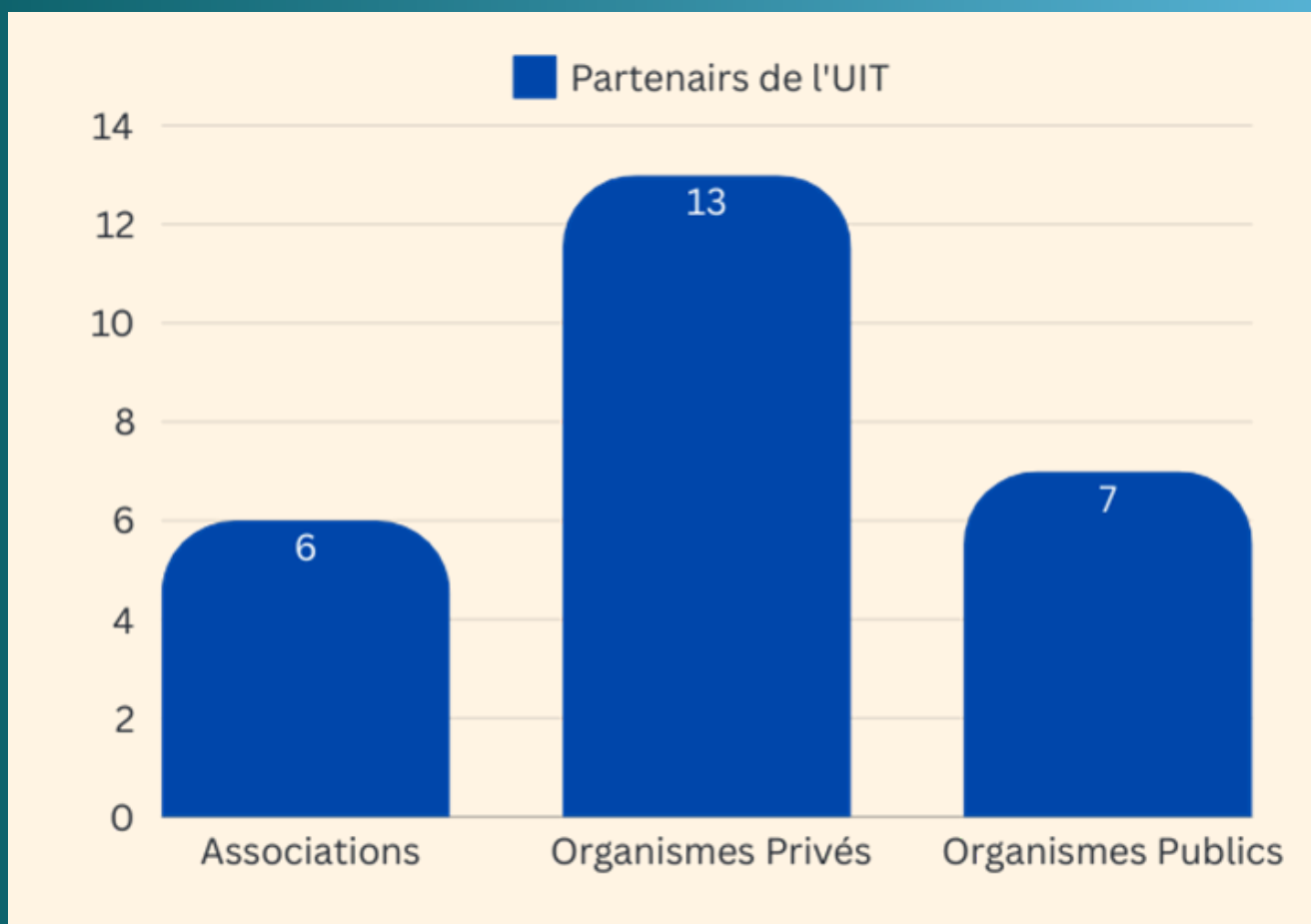


Partnership agreement with Saint-Gobain Sekuri

Ibn Tofail University and Saint-Gobain Sekurit have established a strategic partnership aimed at strengthening collaboration in the fields of training and employability. This agreement focuses on the development of qualifying, diploma-awarding, and work-study programs tailored to meet the needs of the company's employees, particularly in the fields of science and technology. It also includes the implementation of internships for students, providing valuable opportunities to develop practical skills and ease their transition into the professional world.



Partners of UIT by Sector



Hala Harifi Shines at 'My Dissertation in 180 Seconds' with Groundbreaking Parkinson's Research

Hala Harifi's research explores the potential therapeutic effects of natural and synthetic compounds in mitigating the impact of chronic manganese toxicity, a key environmental risk factor for Parkinson's disease. Her work provides crucial insights into neurodegeneration and possible protective strategies, positioning her as a promising young scientist in the field of biomedical research.



Beyond her impressive academic contributions, Harifi has gained significant attention on social media, becoming a trending figure for her remarkable achievement in representing Morocco in the finals of the 'My Dissertation in 180 Seconds' competition in Abidjan. Her ability to distill complex scientific concepts into an engaging and accessible presentation has earned widespread recognition and praise.

Her success highlights not only the high caliber of research at Ibn Tofail University but also the growing impact of Moroccan scholars on the international stage. With her groundbreaking work, Hala Harifi is paving the way for innovative approaches to neuroprotection and disease prevention, demonstrating the power of scientific research in addressing pressing health challenges.

First Prize Awarded for Smart Application 'Seisme Data' in Natural Disasters Research

"Seisme Data" (where "Seisme" refers to "Earthquake" in English) plays a crucial role in emergency management by allowing users to report an incident in the event of a disaster. This feature provides authorities and rescue teams with valuable real-time information, facilitating the organization of interventions and the rapid deployment of necessary aid.

Recognizing his remarkable achievement, the President of Ibn Tofail University warmly welcomed Yassine Chamakh, highlighting the significance of his contribution to disaster response and technological innovation in Morocco.

Through his dedication and ingenuity, Yassine Chamakh has developed a practical and effective tool to strengthen community resilience in the face of natural disasters. His award highlights the importance of technology in serving the common good and the positive impact of innovation in the humanitarian field.

30 years of cooperation and friendship between Azerbaijan and Morocco: A memorable conference at UIT

The conference held at ITU on 17 January 2024 was a special moment to celebrate and commemorate three decades of cooperation and friendship between Azerbaijan and Morocco. Under the chairmanship of His Excellency the Ambassador of Azerbaijan to Morocco, Nazim Samadov, this event brought together diplomats, academics and civil society actors for a collective reflection on the path taken and the prospects for the future. The discussions focused on areas of bilateral cooperation, such as economy, culture, education and diplomacy, stressing the strategic importance of these relations for the two nations. Exchanges of experiences and ideas took place, highlighting past successes and identifying new opportunities for collaboration in the promising future.

المملكة المغربية
وزارة التعليم العالي
والباحث العلمي والإبتكار

جامعة ابن طفيل
Ibn Tofail University

Azerbaïdjan et Maroc:
30 ANS DE COOPÉRATION
ET D'AMITIÉ

FACULTÉ DES SCIENCES
NOUVEL AMPHI

CONFÉRENCE ANIMÉE PAR :
SON EXCELLENCE L'AMBASSADEUR D'AZERBAIDJAN AU MAROC

17 JANVIER 2024
11H30

Ibn Tofail University

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6th International Conference of the Moroccan Association of Occupational Therapy: Global Perspectives and Knowledge Sharing



Hosted by Ibn Tofail University and organized by the Occupational Therapy Association of Morocco

6th Annual International Conference of the Occupational Therapy Association of Morocco
المؤتمر السنوي الدولي السادس للجمعية المغربية للعلاج الوظيفي

“Research and Evidence Based Practice to improve Patients’ Outcomes”

Presenters from five continents محاضرات ومحاضرين من خمس قارات

WFOT

كلمة الطوم
الإنسانية والاجتماعية
Faculté des Sciences
Humaines et Sociales

The Occupational Therapy Association of Morocco is a full member of the World Federation of Occupational Therapists. WFOT has been in official relations with the World Health Organization since 1959, undertaking a collaborative work programme with the aim of improving world health.

ترجمة مباشرة خلال المؤتمر
Live Interpretation During the Conference

LIVE STREAMING Free Registration and Live Streaming

www.OTAMO.org

Saturday January 6th, 2024
8 AM - 4 PM

The 6th edition of the Annual International Conference of the Moroccan Association of Occupational Therapy, which took place on January 6, 2024, brought together world-renowned experts in the field. With the participation of eminent guests such as Dr. Tantaoui El Araki Mounir and Dr. Benitez Hubert, as well as speakers and researchers from various countries such as France, the United Kingdom, the United States, India and Jordan, this event was a platform for exchange and knowledge sharing. Discussions focused on the most recent advances in the field of occupational therapy, highlighting challenges and opportunities in clinical practice and research, while fostering international collaboration to promote excellence in this vital area of health.

Bridging National Priorities and Global Standards: A Forum on Scientific Research and Innovation at Ibn Tofail University



Ibn Tofail University hosted an important academic forum on Scientific Research and Innovation on Friday, October 18, 2024, at 9:30 AM in the university's main theater. The event took place under the theme "National Priorities and International Standards," aiming to align the university's research directions with national objectives while adhering to global best practices.

Participation of UIT Researchers at the Forum of the Chamber of Youth Advisers

UIT researchers and ECRs have participated in the Forum of the Chamber of Youth Advisers. This event saw significant participation from parliamentary, governmental, and relevant constitutional institutions, as well as civil society organizations, along with a panel of experts, national figures, and representatives from partner international institutions. This meeting falls within the framework of promoting the active propositional contribution of the Chamber in the support and institutional integration of Moroccan youth, listening to their concerns, and interacting with their numerous aspirations and ambitions in all areas of political, social, cultural, artistic, and developmental action.

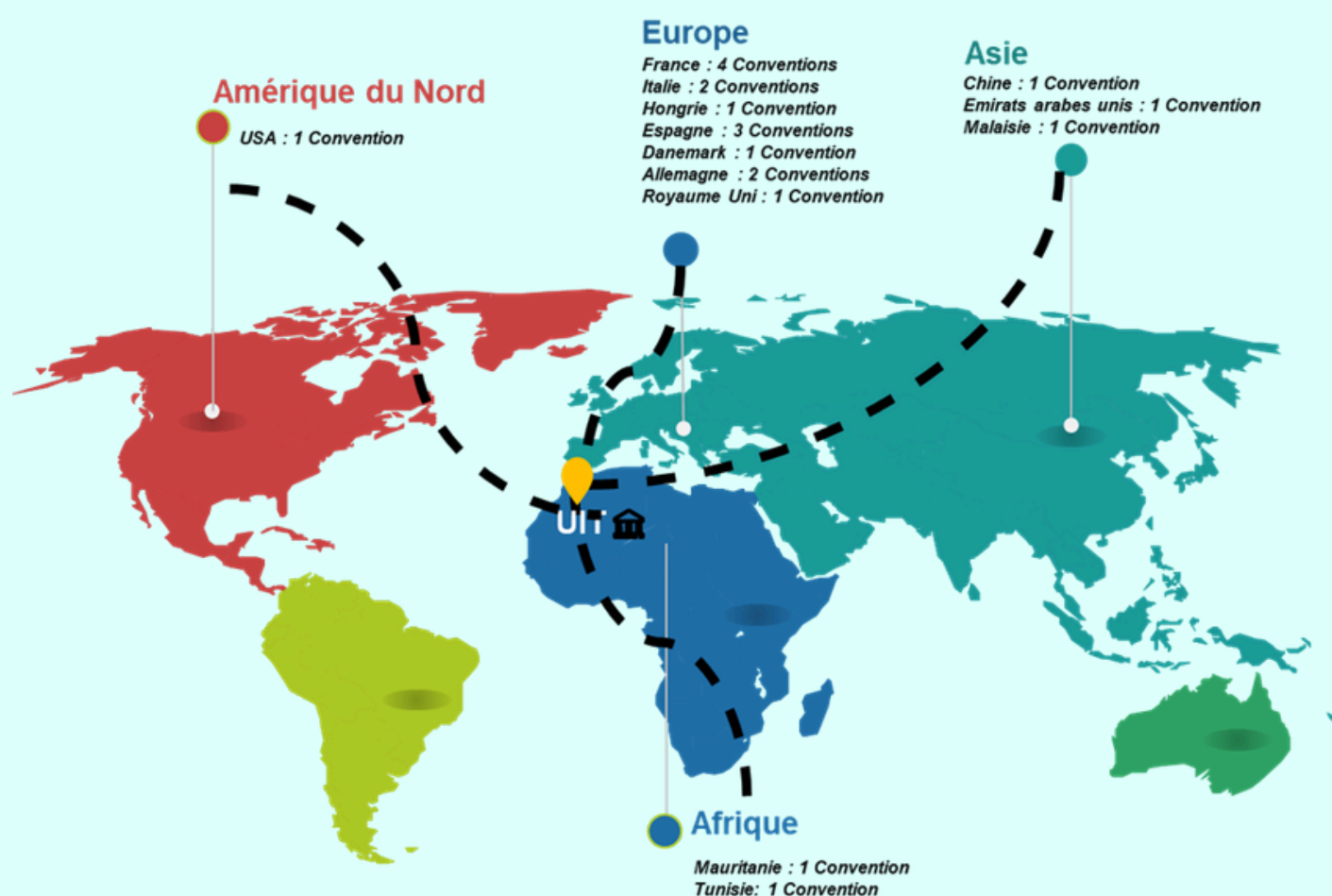


UIT researchers' participation in the Forum of the Chamber of Youth Advisers exemplifies a significant university engagement in the formulation and implementation of sustainable development goals at both national and regional levels. Through their involvement in this forum, UIT researchers bridge the gap between academic research and real-world policymaking, demonstrating the university's dedication to fostering interdisciplinary approaches to addressing complex challenges. This participation highlights the university's role in the crucial tasks of monitoring and reporting on the effectiveness of various interventions, fostering an adaptive management approach.

By facilitating an environment where researchers from various scientific disciplines can come together and collaborate, UIT actively encourages innovative and cross-cutting research initiatives. The university provides researchers with access to cutting-edge facilities and resources, fostering an environment conducive to impactful research across disciplines. These facilities enable researchers to conduct experiments, gather data, and analyze findings with precision and efficiency. Moreover, UIT's investment in research infrastructure reflects its dedication to supporting researchers in their quest to address pressing societal challenges and contribute to sustainable development goals.

INTERNATIONAL PARTNERSHIP

Ibn Tofail University places a special emphasis on strengthening its international partnerships in teaching and research. It aims to promote international student mobility while facilitating access to dual certification and other similar academic opportunities. Furthermore, UIT is committed to developing new research projects in response to international calls for proposals. Its main partners include academic and scientific institutions worldwide, international agencies, as well as ministries and governmental organizations.



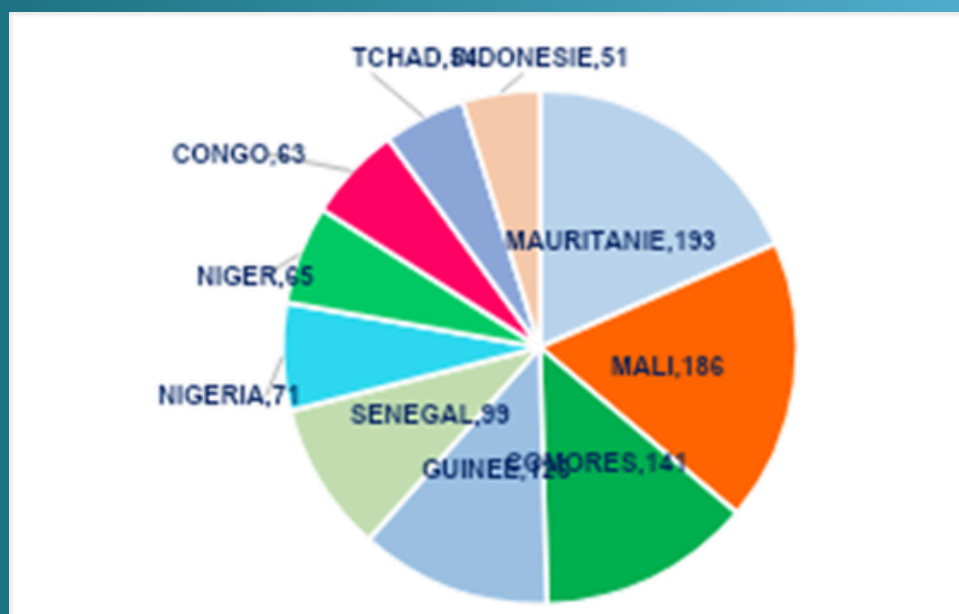
To strengthen UIT's international cooperation, several agreements in the academic, scientific, and cultural fields related to mobility, joint doctoral supervision, and dual degrees have been signed. The figure below illustrates the international mapping.

International students and the establishment of the International Students Office

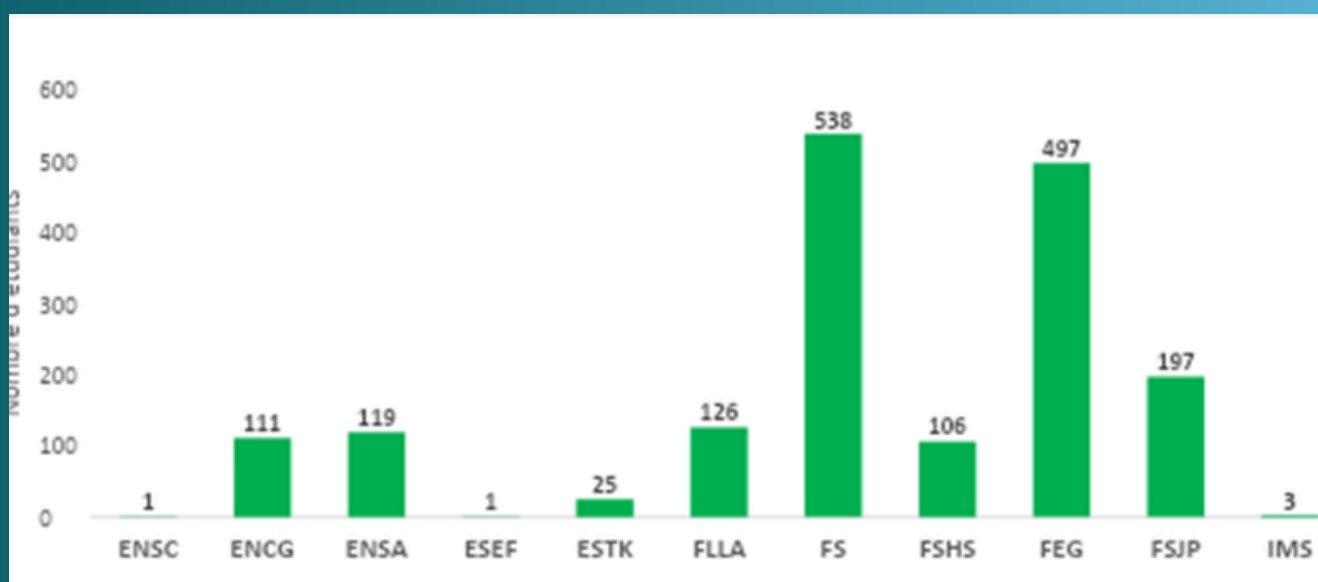
Ibn Tofail University welcomes international students from over 70 nationalities each year, primarily from Africa, but also from other continents. This influx of international students enriches academic pathways and fosters cultural exchange. It also enhances the university's international visibility, creating partnership and project opportunities through exchanges with the embassies of the students' home countries. In 2024, the university welcomed 1,740 international students.

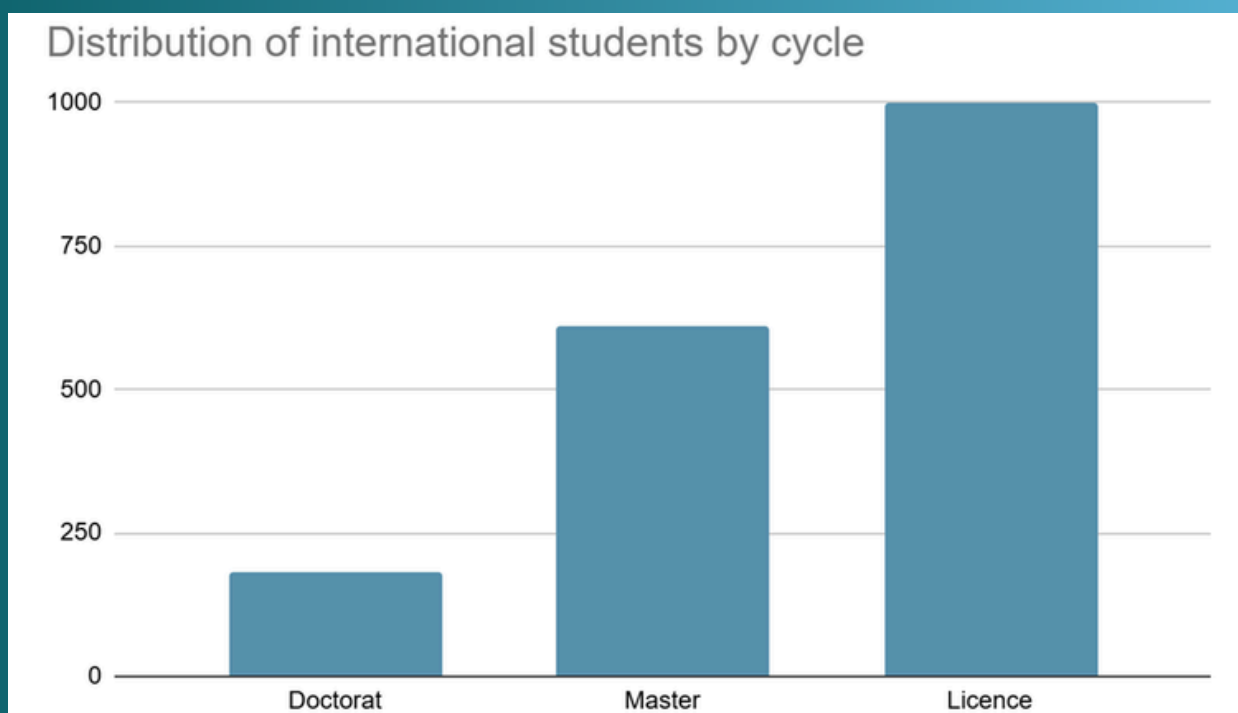


-> Distribution of international students by country:



-> Distribution of international students by institution:





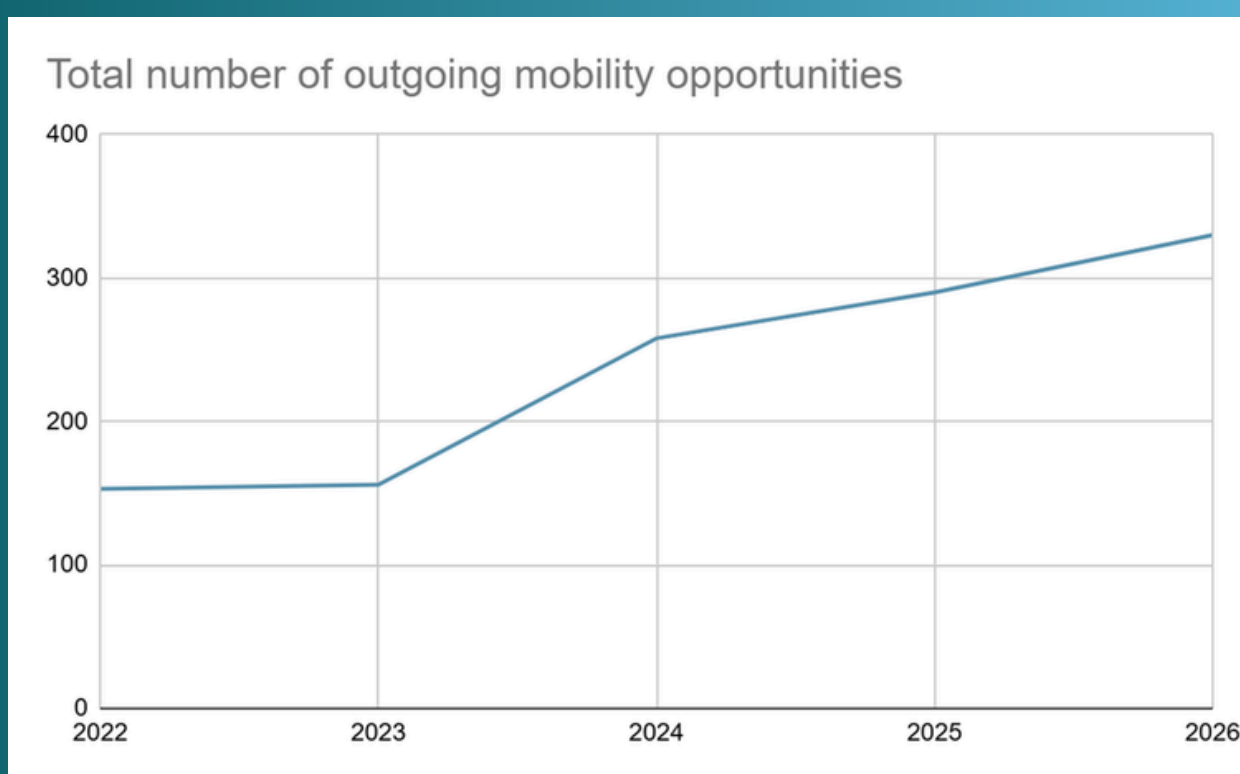
Incoming and outgoing mobility

Ibn Tofail University is actively engaged in international mobility through programs such as Erasmus KA1, which allows students, faculty, and administrative staff to visit European universities. The Erasmus+ KA2 program supports the internationalization and modernization of institutions. The university has established partnerships with prestigious institutions such as the University of Angers, the Sorbonne, and the University of Schmalkalden, offering dual degree opportunities at the Master's level, thereby strengthening its international impact. As of 2024, the total number of mobilities is as follows:

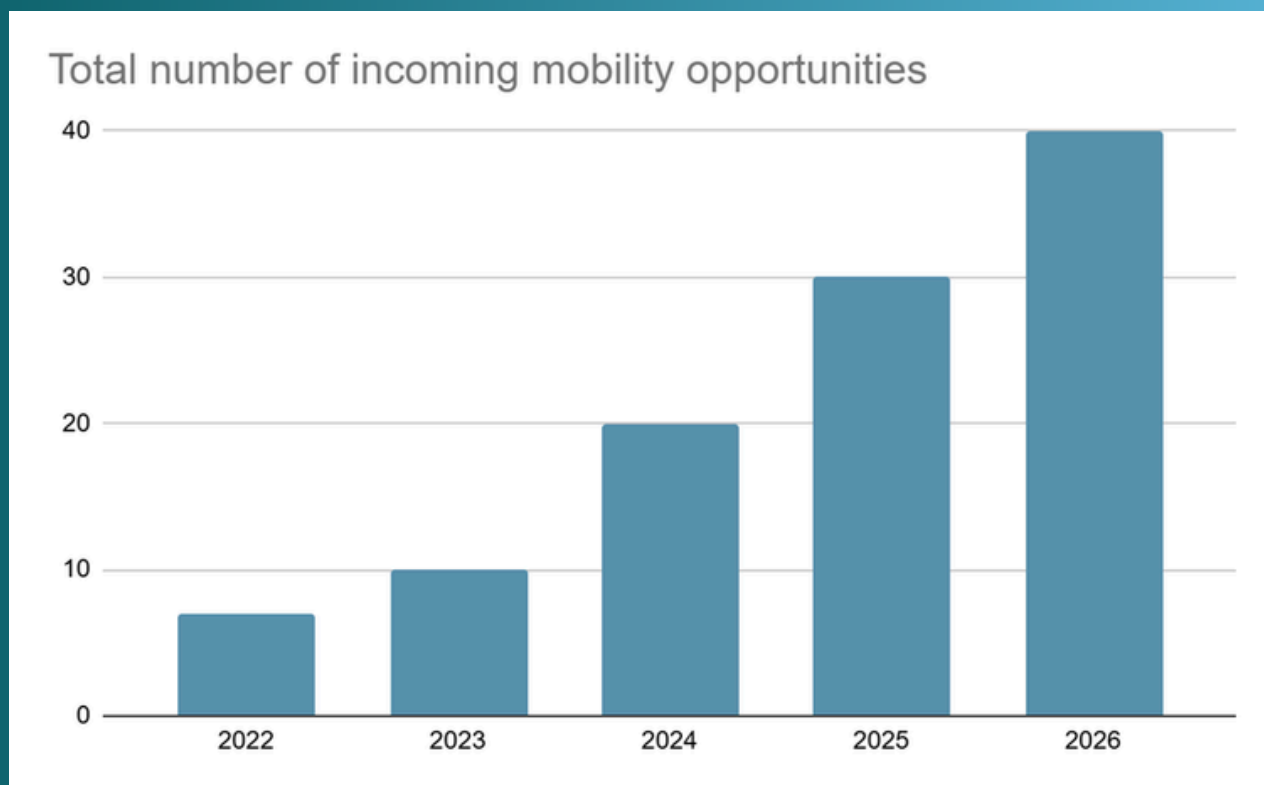
Type de mobilité	Nombre de mobilité	Nature de la mobilité	Durée de mobilité
ERASMUS+ KA1	27	Etudiants - staff académique	5 mois
ERASMUS+ KA2	21	Staff académique - Administratifs	7 jours
Conventions de Mobilité	47	Etudiants - staff académique	5 mois
Double diplomation	89	Étudiants	2 ans
Mobilité internationale dans les établissements	89	Staff académique	7 jours

Ibn Tofail University is working on reinforcing students' outgoing mobility opportunities:

Ibn Tofail University is actively focused on strengthening the opportunities for outgoing mobility for its students. This initiative aims to broaden the educational experience of students by offering them access to international academic programs, internships, and exchanges with partner institutions around the world. By fostering outgoing mobility, the university provides students with invaluable opportunities to immerse themselves in diverse academic and cultural environments, which enhances their personal and professional development.



These opportunities are typically supported by high-impact programs such as Erasmus+ and various bilateral agreements with prestigious universities globally. The university encourages students to participate in mobility programs to not only deepen their knowledge and skills in their respective fields but also to gain exposure to global perspectives, which is crucial in today's interconnected world.



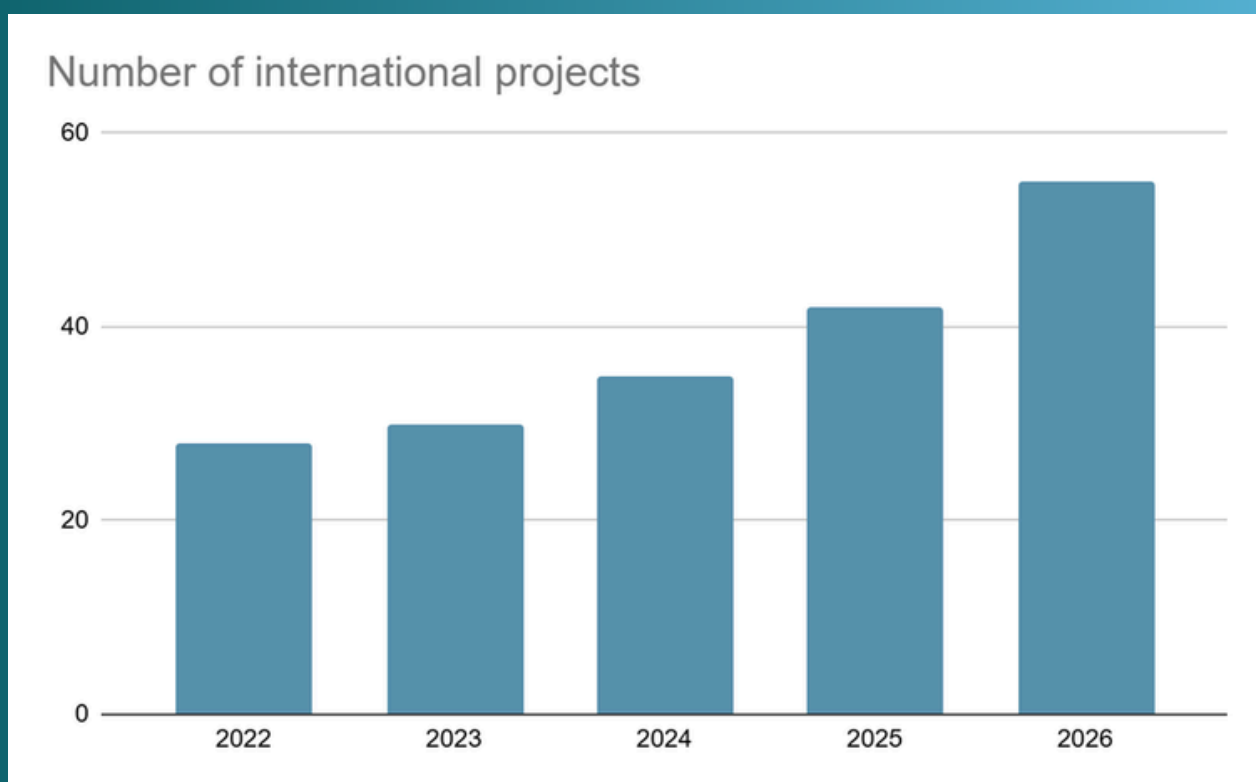
The goal of reinforcing outgoing mobility is to improve the employability of graduates, promote intercultural dialogue, and encourage academic and professional networking. Through these exchanges, students gain essential soft skills such as adaptability, communication, and problem-solving, which are highly valued by employers worldwide. Ultimately, these international experiences contribute to the university's mission of globalizing its academic offerings and preparing students to thrive in an increasingly globalized job market.

International projects

Ibn Tofail University actively participates in several international and, in particular, European projects. These projects, depending on their nature, support the mobility of students, faculty, and administrative staff while promoting inclusion and interdisciplinary teamwork.

Below is a list of international projects in which Ibn Tofail University is involved, along with a brief overview of the project's objectives:

- ENHANCE
- FOSAMED
- MATHICS
- DIALANGUES
- MORHEL
- Bskilled
- NEW REGENERATION 2.0
- ACT
- ReCoN-CEH (AUF)
- DIGIT- Studies



These achievements demonstrate our university's commitment to the internationalization of its activities. The impact of this strategy is evident in the quality of international collaborations, the increase in exchanges and mobilities, and the growing recognition of the university's scientific research on a global scale. This dynamic enhances its visibility and role in international scientific networks, contributing to innovation and the sharing of knowledge globally. The figure below illustrates the impact of international collaboration.

Development of the university's digital governance

The university has taken a proactive approach to ensure that all its digital platforms adhere to strict standards of privacy and security, aligning with national and international regulations on data protection. This includes training staff and students on best practices for safeguarding personal and institutional data, integrating secure digital tools for academic and administrative purposes, and regularly auditing systems to identify vulnerabilities.

By focusing on the development of a transparent and secure digital governance model, the university not only ensures the integrity and confidentiality of its data but also fosters trust among its stakeholders. This commitment to innovation in governance supports the institution's broader mission of academic excellence and global competitiveness, positioning it as a leader in digital transformation within higher education.

Launch of the New Hyperconverged Datacenter Project

Challenges:

Modern IT environments have become increasingly complex due to data growth, new applications, and the fragmented architecture of traditional data centers.

Solution:

To address these challenges, the university has adopted a Nutanix hyperconverged infrastructure, which integrates computing, storage, and networking into a single, unified platform.

Advantages:

This solution simplifies management, reduces costs, enhances performance, and enables seamless horizontal scalability.

Outcome:

All resources—including computing, storage, and virtualization—are consolidated onto a single physical server, ensuring greater efficiency and streamlined operations.

Deployment of a High-Performance Computing (HPC) Station

A supercomputer has been installed at the university's Innovation Hub to provide cutting-edge infrastructure for advanced projects in artificial intelligence and scientific computing.

Technical Specifications:

- Servers: 9 servers with a total of 416 cores
- Storage: 105 TB
- RAM: 2 TB
- GPU: 1 server equipped with an NVIDIA Tesla V100 card
- Connectivity: 200 Gbps Infiniband network (internal 20 Gbps, external 2 Gbps via MARWAN)
- Software: A modern suite for parallel computing, file management, and task scheduling
- Architecture: Modular and scalable, featuring high-performance DELL servers, Ethernet, and Infiniband switches

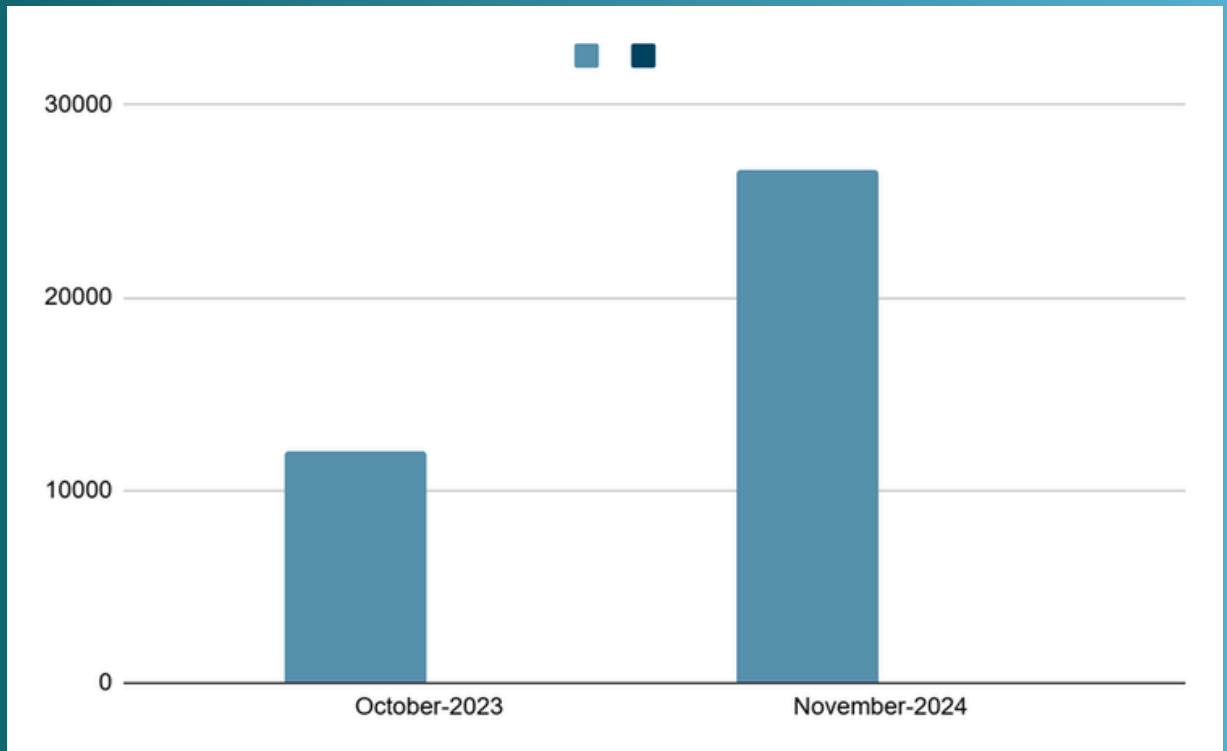
This HPC station significantly enhances the university's research capabilities, supporting computationally intensive projects across multiple disciplines.

Enhancing Connectivity Ratio at UIT

UIT has undertaken major initiatives to improve and strengthen its digital infrastructure, aiming to provide an optimal academic and administrative experience. One of the flagship projects in this effort has been the campus-wide deployment of Wi-Fi, ensuring stable and high-speed internet access for all students, faculty, and staff.

This initiative aligns with the Connected Campus Program, which seeks to transform the university into a fully digital and interactive environment, fostering seamless connectivity and enhancing the overall learning experience.

-> Graph: Total number of SIM INWI cards activated



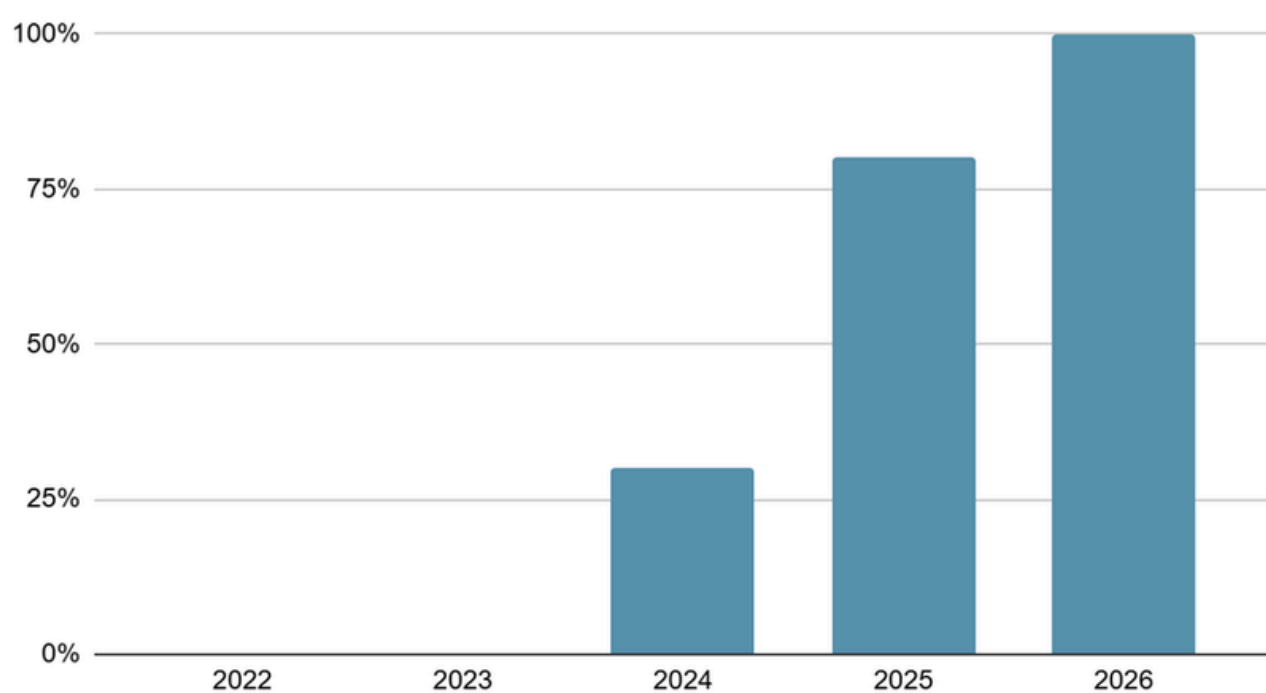
EDUROAM Integration at UIT

UIT was the first national university to integrate into the global Eduroam network. Eduroam is a worldwide federation of academic institutions that provides secure and seamless wireless internet access to the education and research community. This service addresses the global Wi-Fi roaming needs of users through a single account, eliminating shared guest accounts and unsecured connections. Each institution manages the identities of its users as an Identity Provider (IdP), ensuring a secure and efficient authentication process.

VPN Access via EDUVPN

EduVPN is a VPN service designed for the international research and education community, providing a secure connectivity solution to meet critical needs. It enables secure access to internal campus networks, allowing users to work remotely as if they were physically on-site. This initiative reflects the university's commitment to providing a modern and secure digital environment for academic resources in the context of digital transformation.

Progress rate of the central plan implementation





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Ibn Tofail University