



2022
Sustainability Report
SDG 9





LETTER FROM THE REPORT RECTOR

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Ege University is a leading university, an example of the Turkish higher education system, which has received Turkey's first Institutional Full Accreditation Certificate and has the identity of a Student-Focused Research University.

Our University, with its 68-year deep-rooted history, strong academic staff, qualified scientific studies, distinguished students, and graduates, is to make a supreme effort to build a solid future for new generations by being sensitive to the realities of the world, our country and the society we live in. Ege University is a strong research institution with an entrepreneurship and innovation ecosystem where R&D, innovation, knowledge, and technology transfer take place between industry and university.

Ege University has adopted all the goals of eliminating inequalities, strengthening economic growth and employment, improving cities and residential areas, ensuring industrialization, protecting oceans and ecosystems, producing and consuming energy more sustainably, combating climate change, developing sustainable production and consumption, and empowering human rights. Our university operates within an adequate ultrastructure designable to implement all academic and operational activities within the SDGs framework.

We steadfastly persist in our pursuit of elevating Ege University into a vanguard research institution dedicated to pioneering technological advancements in support of sustainable development.

This report not only contains in-depth information about Ege University's remarkable efforts in each of the United Nations Sustainable Development Goals throughout 2022 but also reveals the key strategies of our institution. Moreover, it serves as a guiding compass, not only illuminating our efforts but also enabling a keener determination of our evolving needs and strategic plans.

In harmonious unity, we ardently endeavor to steer our institution towards a guiding and pioneering role by meticulously realizing our objectives through a management philosophy of fairness, equity, and accessibility.

I appreciate all my esteemed colleagues whose collective efforts have shaped this report.

With warm regards and respect..."

Prof. Dr. Necdet BUDAK
Rector



LETTER FROM THE REPORT TEAM

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As the Sustainability Report Team, Ege University, we are proud and excited to present the third annual Sustainability Report of Ege University, one of Turkey's pioneering universities, prepared to concretize the University's commitment to sustainability and enable you to follow our sustainability-related efforts closely.

Sustainability lies at the heart of Ege University's main objectives. Besides, our university bears the responsibility of leaving a more livable world to future generations, and it emphasizes its determination to integrate sustainability principles in the fields of education, research, social contribution, and campus management. Over the years, Ege University has built a strong track record of offering sustainable solutions to address the challenges facing the university and society. In 2020, all these efforts culminated in establishing the Rankings Office. This move not only strengthened the university's commitment to sustainability but also led to the formation of sub-commissions focusing on various Sustainable Development Goals. These sub-working groups brought together academics and administrative staff from every faculty and the Rectorate, each contributing diverse perspectives and professional expertise.

What makes the Rankings Office even more dynamic is its inclusion of the Sustainability Report Team, which actively participates in all activities, thus enhancing the visibility of the office across the university.

Ege University aims to extend influence far beyond the boundaries of our institution. The EGE Sustainability Team seeks to be a trailblazer in instilling a culture of sustainability in other higher education institutions. Our Sustainability Team and its sub-working groups are going to serve as advisors to our university as well as to other universities, offering insights into Sustainable Development Goals and impact management. Furthermore, we are going to continue to be actively involved in educational initiatives that support schools on their sustainability journeys.

Beyond our campuses, we actively engage with local communities, businesses, and government entities to foster sustainable relationships, collaborate on solving common issues, and share our wealth of knowledge.

Ege University is unwavering in its commitment to the responsible management of resources to mitigate their impact on society, the environment, and the economy. This report offers a transparent and current source of information, providing valuable guidance to universities and stakeholders seeking to expand their knowledge on sustainability.

EGE University is actively dedicated to advancing sustainability through research, education, and innovation to become a leading institution in Turkey and worldwide. Our primary focus is on enhancing the accessibility, inclusivity, and affordability of our university for the benefit of our community. We cultivate positive partnerships with industry leaders to strengthen our engagement and ensure the use of environmentally sustainable practices that support innovation and research.

This report offers insight into EGE UNI's position in 2022 regarding enhancing sustainability in Turkey. We share our initiatives and commitments related to environmental, social, and economic sustainability, along with their corresponding impacts. We extend our gratitude to our sub-working groups, the Sustainability Report team, our dedicated students, EGE's esteemed academicians, and the Rectorate for their unwavering efforts this year to further our sustainable impact.

Our journey towards securing the sustainability of our world is an extensive and long way one. As the EGE Sustainability Team, we place our trust in the dedication of our university's staff and students to continue their improvements this year and sustain their endeavors well into the future.

We appreciate your interest in the Ege University Sustainability Report and eagerly welcome the feedback of our readers.

Assoc. Prof. Göknur ŞİŞMAN AYDIN
Coordinator of Sustainability Studies
Office of Institutional Development
Planning and Monitoring



INDUSTRY, INNOVATION AND INFRASTRUCTURE

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Ege University has adopted the "Industry, Innovation and Infrastructure" Policy in order to continuously update its research priority areas in line with developing technology and global needs, to direct research activities, to increase their effectiveness, and to strengthen industry and excellence centers. It carries out its activities with the establishment of EBİLTEM-TTO and Ege Teknopark A.Ş. in order to increase university and industry cooperation, increase research revenues from industry and trade, and ensure the cooperation of academic staff with industry.

Science Technology Application and Research Center (EBİLTEM-TTO)

Since 1994, it has been operating as a unit under the Rectorate of Ege University. In the first call of the TUBITAK 1513 Technology Transfer Offices Support Program Project program, it was among the 10 university projects supported. As TTO, it adopts the structure of a university-industry interface institution and works as a "one-stop center" for the common needs of the sector and academicians such as innovation, R&D, international technology transfer, intellectual and industrial property rights, technology licensing, national and EU funds.



Ege Teknopark Inc.

Ege Teknopark Technology Development Zone was established with the Council of Ministers Decree No. 2014/6500 published in the Official Gazette No. 29084 dated August 10, 2014. Established as Izmir's fourth Technology Development Zone, Ege Teknopark aims to increase the region's R&D and innovation potential, develop high-value-added products and increase qualified employment by working in cooperation and synergy with other stakeholders in Izmir and the region, especially in the fields of life sciences and health.



Collaborations and Events

In order to strengthen the cooperation of Ege University and the academicians and students within the university with the industry, events were held and participated in the events held.

Ege Career Fair

The Ege Career Fair (EGEKAF22) was organized on March 21-22, 2022 under the coordination of the Presidential Human Resources Office, hosted by Ege University and with the partnership of 19 universities. 120 events were organized and 600 companies, 55 thousand students and 100 thousand participants visited the fair. Among the events organized was the "Ege R&D Project Idea Competition" for young researchers. According to the preliminary evaluation results of the applications received from Science, Engineering, Health and Social Sciences, 50 young researchers participated in the competition. Prizes were awarded to the winners. At the same time, AYNES Gıda A.Ş. provided food parcels to all ranking participants and internship opportunities in the Denizli factory to the ranking participants from the Science/Engineering field.





Management of Air Pollution Caused by Heating Project

In partnership with the Ministry of Environment, Urbanization and Climate Change, General Directorate of Environmental Management and Ege University, the Project on Management of Air Pollution from Heating was carried out between 2020-2022. On May 17-18, 2022, a Green Transformation in Heating Workshop was organized under the coordination of EBILTEM-TTO. Municipalities and energy sector representatives from many regions participated in the workshop.

In the workshop, topics such as EU Strategies for Reducing Air Pollution from Heating, Energy Efficiency Policies and Current Developments in Heating and Cooling, District Heating Applications and Applicability in Existing Power Plants, District Heating Use of Cogeneration Systems, Geothermal District Heating Application Experiences such as Izmir - Balçova, Afyon, Waste Heat and Heat Extraction in Industry, Heat Pumps Applications, Individual Heating Applications with Solar Energy Systems, Hydrogen and New Generation Combustion Technologies and Kemerburgaz Waste Incineration Plants were discussed.



Green Transformation in Heating Strategy Paper

Within the scope of the "Management of Air Pollution from Heating" Project carried out by Ege University for the Ministry of Environment, Urbanization and Climate Change of the Republic of Turkey, a Green Transformation in Heating Strategy Document has been prepared in order to analyze the current situation, identify the main problems, identify alternative national strategies and activities that can be implemented on a local/regional scale and provide a basis for the "Green Transformation in Heating Strategy Document" to be prepared by the Ministry of Environment and Urbanization of the Republic of Turkey. Green Transformation in Heating Strategy Document has been prepared in order to form the basis for the "Green Transformation in Heating Strategy Document" to be prepared by the Ministry of Environment and Urbanization.



Strengthening Technology Transfer Infrastructures for Thematic Universities and Research Centers

Within the scope of Erasmus+ Strategic Partnerships (KA203) program, "Strengthening Technology Transfer Infrastructures for Thematic Universities and Research Centers" project was carried out by Konya Food and Agriculture University and Ege University. The project aimed to organize technology transfer processes and create unique road maps for thematic universities and research centers/infrastructures. The project and its outputs were shared with the beneficiaries at the "R&D Summit for 4.0".



EGE UNIVERSITY
Izmir/Turkey
<https://ege.edu.tr/>



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Maintaining Sustainable Food Stocks and Reducing Waste (MARIPET Project)

The "MARIPET" project, coordinated by Ege University, is a first for Ege University in the ERASMUS+ KA-220 VET classification and supported by a total budget of € 262.050,00, aims to add added value to fishery products to protect sustainable food stocks and reduce waste. MARIPET enables the use of discarded species from fisheries that are thrown back into the sea as pet food.





TUBITAK BIGG (1512) Program 2022/2 Period Call

TUBITAK BIGG (1512) Program launched a call with the GREEN concept in the 2022/2 period. Within the scope of the call, announcement and entrepreneur training activities were carried out in cooperation with Ege Teknopark A.Ş. and EBİLTEM.

In the first BIGG-GREEN call of 2022, 7 of the 9 projects submitted by EGE TEKNOPARK were entitled to be supported. EGE TEKNOPARK, which exceeded Turkey's average and reached a success rate of 78%, has become one of Turkey's most successful implementing organizations.

Ege University at TEKNOFEST 2022...!

TEKNOFEST is Turkey's first and only aviation, space and technology festival organized by many organizations that play a critical role in the development of national technology in Turkey. Between August 30 - September 4, 2022, TEKNOFEST 2022, organized in the Black Sea, was attended by a corporate stakeholder.

Ege University took part in the festival with the participation of Oğuz Unmanned Land Vehicle (2019 Aegean İKA Team), Umay High Altitude Rocket (2019 Aegean Rocket Team), Advanced Category Underwater Systems Karaburun (2021 Aegean Rov Team), Unmanned Naval Vehicle - MV Savarona 2 (2022 Aegean İDA Team), Unmanned Aerial Vehicle - Gökyaran (2022 Aegean UAV Team) and Biomanus - Advanced Arm Prosthesis for Upper Extremity Amputees and SAVTEK Aegean Defense Technologies Community.

Ege Teknopark T.G.B. has also initiated two European Union-funded projects in 2022.

"The D-TECH4ENT - Deep Technology Incubator for Entrepreneurs (Ege D-Tech)" is a regional development-based project supported under IPA-II with the co-financing of the Republic of Turkey and the European Union. The total project budget is €6,500.000 and the project duration is 3 years.

The aim of the project is to increase the capacity of the ecosystem related to Deep Technologies regionally, to initiate an entrepreneurship program and to ensure that high value-added and FSMH products are developed by startups. Within the scope of Aegean D-Tech, activities have started to be carried out under two different

Ege Deep Technology Factory: Designed to respond to the needs of deep technology startups, this prototyping center has a rich infrastructure that will attract both national and international researchers and entrepreneurs in areas such as prototyping, additive manufacturing and reverse engineering for the hardware and electronics sectors, as well as advanced imaging systems, pilot scale bioprocessing infrastructure, inclusive testing and analysis facilities.

Capacity Building & Accelerator Activities: In this project, which aims to develop regionally in international competition, trainings, workshops and working groups to increase the capacity of both the entrepreneurship ecosystem and the project partner institutions were carried out under the guidance of experts from both Turkey and the European Union.

For capacity building activities, 5 training programs were organized for Ege Teknopark, EBİLTEM and EGİAD personnel, 3 trainings for start-ups and 2 trainings for investors with the "train the trainers" strategy. Of the 2 workshops, one was organized among project partners and the other was open to the public. In addition, training activities were organized for academic entrepreneurship at Ege University. In addition, a technical trip to Dublin, Ireland was organized with the project team to examine good practices. These trainings were conducted by both national and international experts.





Ege Teknopark T.G.B. has also initiated two European Union-funded projects in 2022.



Another project initiated by Ege Teknopark is “The D-TECH4ENTm - Deep Technology PreIncubator for Entrepreneurs (Ege D-TechM)” pre-incubation program. The project budget is €220,000 and the project duration is 18 months. Within the scope of this program, it is aimed to inform and train especially disadvantaged individuals in the field of entrepreneurship, and support is provided for prototyping activities in line with the business ideas they will develop.

Ege University selected as “Group and Consortium Innovation Leader” in EEN2EIC program

Ege University was selected as the “Group Leader” for Turkey within the scope of the third EEN2EIC call and became the only institution to receive this title. The results of the EEN2EIC program, which started in 2022, were announced in 2023.

In this context, our university will organize three events every year for national companies that have been awarded the ‘Seal of Excellence’ under the ‘EIC Accelerator’ to meet with investors. In this way, it will support both the growth of the network of companies with this seal and the commercialization of valuable business ideas of companies.



In order to increase the awareness of Ege University academics and students about the projects and activities that can be carried out in industrial cooperation, industry-oriented events were organized in 2022 in cooperation with EBILTEM and Ege Teknopark. As the outputs of these events, it is aimed to increase student-industry projects, increase academician-industry project collaborations and increase revenues from industry and trade.

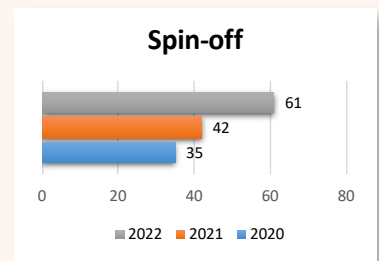
Figures for Ege University in relation to SDG-9 Industry, Innovation and Infrastructure Entrepreneurship Goals

Number of Spin-off Firms

Within Ege TEKNOPARK, the number of spin-off firms increased to 35 in 2020, 42 in 2021 and 61 in 2022, with the largest increase in 2022. Two important factors can be considered in this regard;

• **Dissemination and Promotion Activities:** In 2020, the number of promotional activities carried out by Ege Teknopark was 72, in 2021 this number was 316, and in 2022 it was 412. Aligned with Ege University, especially in the fields of life sciences, health, agriculture and hardware, Ege Teknopark has tried to reach all academics at Ege University with its promotional activities within the scope of academic entrepreneurship and commercialization of technical knowledge at the university. In this context, the number of spin-offs established increased rapidly in the following year, depending on the promotional activities.

• **Public Grants:** Both TUBITAK and KOSGEB have improved the capacity of their support mechanisms for high value-added sectors through high-tech products, thus the number of academic spin-offs, where the R&D steps of these products begin, has also increased. While the support received by the companies within Ege Teknopark from TÜBİTAK was 2,583,660 TL in 2021, this support amount increased to 3,158,920 TL in 2022.

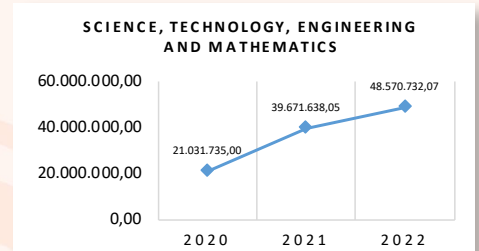




Research Income From Industry and Trade By Subject Area

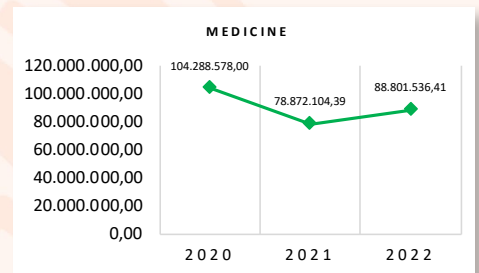
Science, Technology, Engineering and Mathematics

In 2021, EU, which succeeded in becoming a Research University, has adopted the "Industry, Innovation and Infrastructure" Policy in order to continuously update its research priority areas in line with the developing technology and global needs, and to guide research activities, increase their effectiveness, and strengthen industry and excellence focuses. As a result, research income from industry and trade in the field of STEM has increased steadily every year.



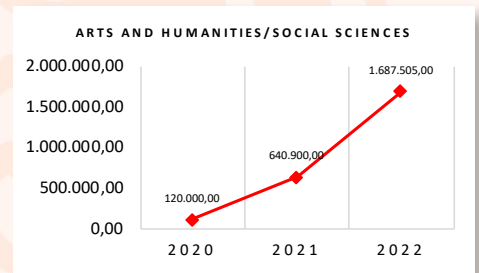
Medicine

A large portion of the research income in the field of medicine is generated from clinical research. In 2020, due to the decline in clinical trials due to the COVID pandemic, the decline in 2022 started to rise again, especially with the effect of the increasing number of Contract Research Organizations (CRO; Clinical Research Organization).

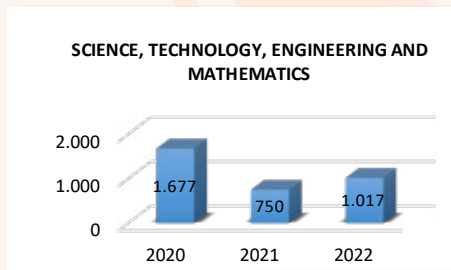


Arts and Humanities / Social Sciences

In the past years, there has been a steady increase in revenues due to both the increase in the budget in line with inflation and the increase in the diversity of the supports provided in this area.

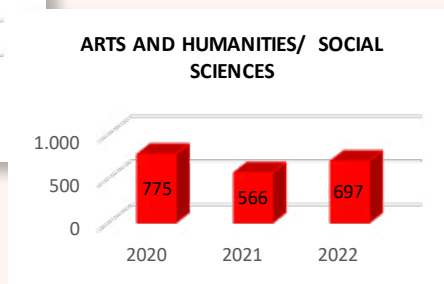
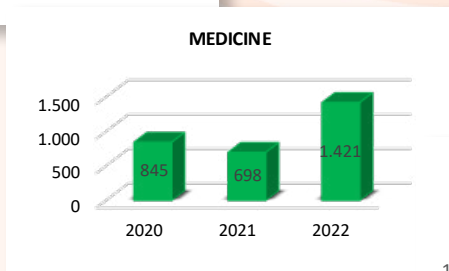


Number of Academic Staff By Subject Area



Science, Technology, Engineering and Mathematics, Medicine, Arts and Humanities / Social Sciences

In 2021, after becoming a Research University, the number of academic staff increased in all fields due to the increase in the number of staff given to our university by YÖK (Higher Education Council).





THE Impact Rankings Methodology 2024 & GRI Index Matrix

THE	Impact Rankings Methodology 2024 Version 1.1	GRI	Disclosure	Reported	Page
9.1	Research on industry, innovation and infrastructure			Fully	2-3-4
9.2	Patents citing university research			Fully	2-3-4
9.3	University spin offs			Fully	4
9.3.1	Number of university spin offs	GRI 203: Indirect Economic Impacts 2016 GRI 201: Economic Performance 2016	203-1 Infrastructure investments and services supported 201-4 Financial assistance received from government	Fully	4
9.4	Research income from industry and commerce			Fully	5
9.4.1	Research income from industry and commerce per academic staff			Fully	5
	Research income from industry and commerce by subject area: STEM	GRI 201: Economic Performance GRI 203: Indirect Economic Impacts 2016	201-1 Direct economic value generated and distributed 203-2 Significant indirect economic impacts)	Fully	5
	Research income from industry and commerce by subject area: Medicine			Fully	5
	Research income from industry and commerce by subject area: Arts & Humanities/Social sciences			Fully	5
	Number of academic staff by subject area: STEM			Fully	5
	Number of academic staff by subject area: Medicine			Fully	5
	Number of academic staff by subject area: Arts & Humanities / Social sciences			Fully	5





EDITOR: Assoc. Prof. Dr. Gökür ŞİŞMAN AYDIN

AUTHORS: Dr. Tuğba ADIYAMAN - Sercan ERTAŞ - Deniz İLMENÖZ

TRANSLATION: Dr. Esra YATAĞANBABA - Dr. Ferah ŞENAYDIN

GRAPHIC DESIGN: İpek TEKİN

www.surdurulebilir.ege.edu.tr