



ORTA DOĞU TEKNİK ÜNİVERSİTESİ
MIDDLE EAST TECHNICAL UNIVERSITY

Our Mission (2023-2027)

METU's mission is to attain excellence in research, education and public service for society, humanity and nature, in an environment nurturing creative and critical thinking, innovation, leadership, and universal values.



Vision (2023-2027)

A leading international university that transforms its region and the world.



CAMPUSES



ORTA DOĞU TEKNİK ÜNİVERSİTESİ
MIDDLE EAST TECHNICAL UNIVERSITY

METU @ A GLANCE

METU HAS 3 CAMPUSES



**MAIN CAMPUS
ANKARA**
(founded in 1956)

1



**ERDEMLİ CAMPUS
MERSİN**
(founded in 1975)

2



**NORTHERN CYPRUS
KALKANLI**
(founded in 2000)

3



Ankara Campus Plan

The campus area is 4500 hectares (45 km²) with a forested area of 3043 hectares (30 km²)





LAKE EYMİR

In 1956, within the **45 km²** granted, a lake (Lake Eymir), was also allocated to the Middle East Technical University for use.



METU is the only university in Turkey with a lake in the campus area.

Lake Eymir is located 20 km south of Ankara at an altitude of 970 meters.

Area: 1–1.3 km²

Average depth: 3.2 m



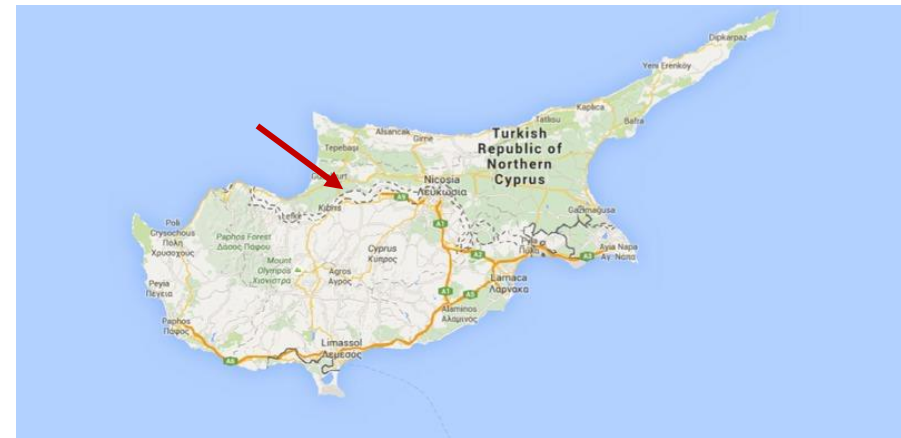
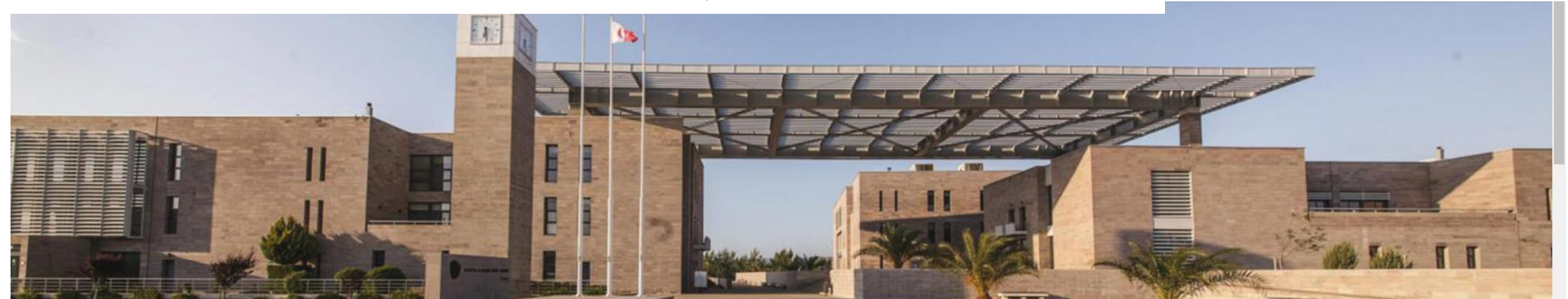
METU has 54 years old Sailing Team in the city without sea.





- The Graduate School of Marine Sciences **Marine Geology, Geophysics, Marine Biology, Fisheries and Oceanography offer** postgraduate doctoral and post-doctoral research opportunities.
- IMS studies are carried out with an emphasis on combined theory and practical laboratory work.
- Türkiye's first Research Vessel the R/V Bilim2 belongs to the IMS and important research in Türkiye's 4 seas continues today.





Middle East Technical University Northern Cyprus Campus is the first overseas campus of a Turkish university, and was founded in accordance with an invitation conveyed to METU by the governments of Republic of Türkiye and Turkish Republic of Northern Cyprus in the year 2000.

Located at the Güzelyurt district of North Cyprus, the Campus currently offers 15 undergraduate and 5 graduate programs providing the academic repertoire and quality maintained at the home campus in Ankara, Türkiye.



METU @ a Glance



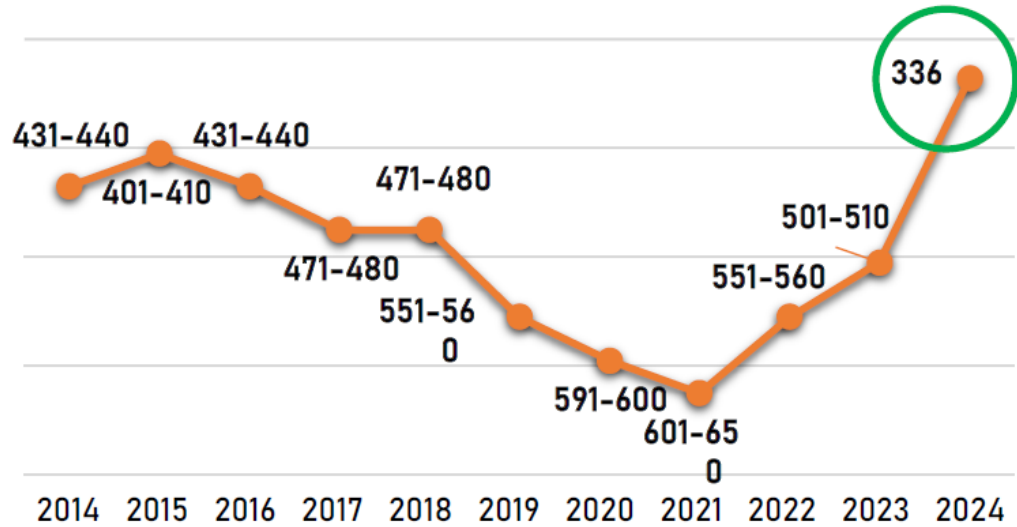
Türkiye's premier
state research
university

Established with an
international mandate
and an international
vision

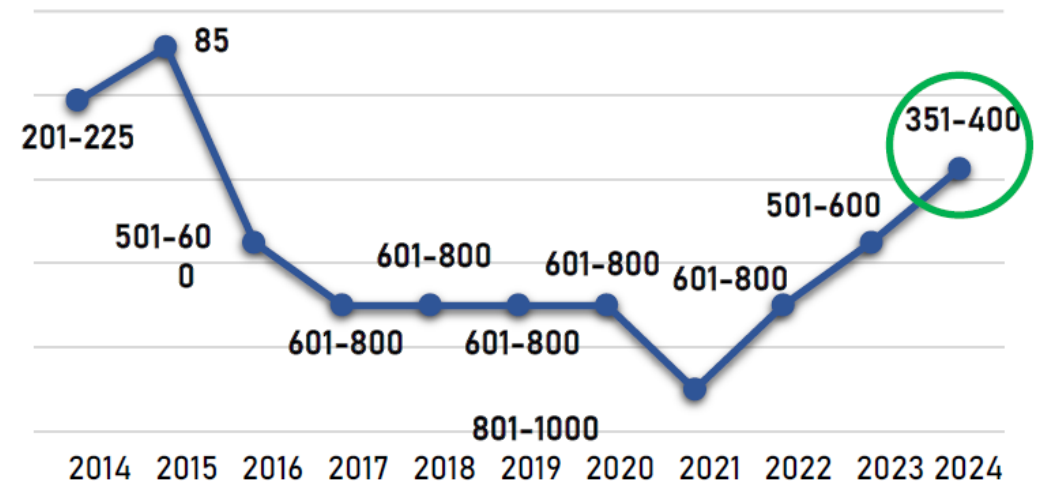
English as the
medium of instruction
at ALL levels and
degrees



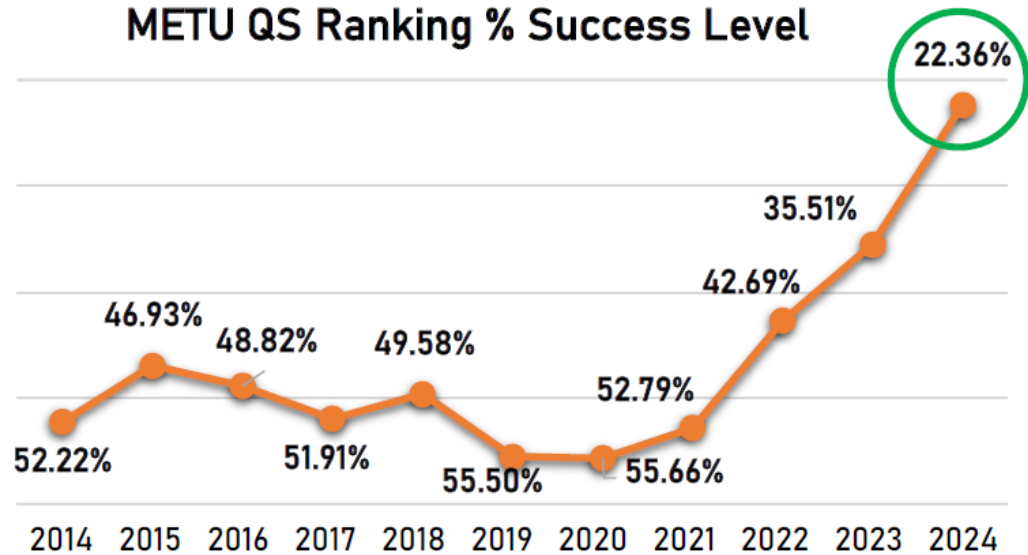
METU QS World Rankings



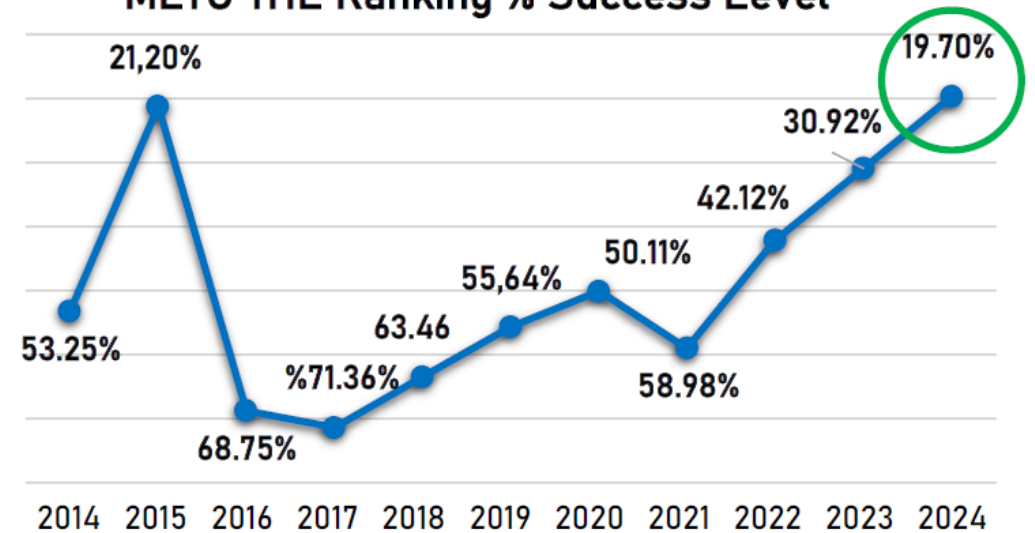
METU THE World Rankings



METU QS Ranking % Success Level



METU THE Ranking % Success Level



METU is the only Turkish University

METU
ranks 83rd
in Education
in THE World
Rankings





ODTÜ

Department of Petroleum & Natural Gas Engineering



QS "World University Rankings by Subject 2023":

METU is among the top 10 universities in the World.

According to QS World University Rankings, **METU Petroleum and Natural Gas Engineering** has become **only discipline from Turkey ranking among the top ten** (the 10th best Petroleum and Natural gas Engineering) in the world

The list is prepared with the company named QS (Quacquarelli Symonds), which is researching education worldwide to guide young people.



General Overview and Main Indicators



26.251
Student



147.756
Graduate

The top 1-5% of 2,000,000+ applicants

~ 1800 international students from 87 countries



2.143

Academic
Personnel

678

Faculty Members

336

Lecturer and Instructor

2540

Administrative
Staff

157

Specialist

364

Professor

151

Research Assistants under Article 35 (including OYP)

173

Associate
Professor

821

Research Assistants

141

Assistant
Professor

45

International Faculty Members

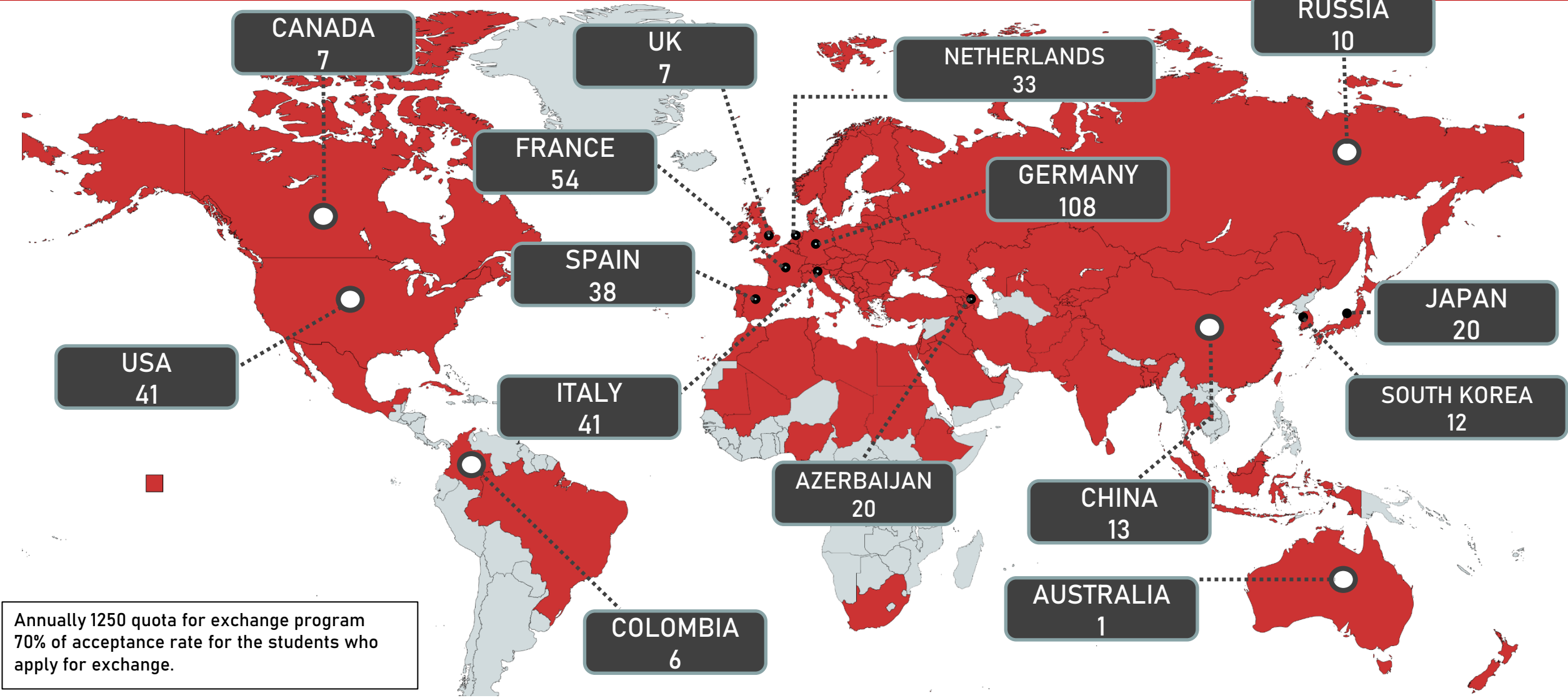
(68.5 % have PhD degrees abroad)

5 Faculties

5 Graduate Schools



About 750 Bilateral Cooperation Agreements with 450 Universities in 85 Countries (Erasmus, Mevlana, Bilateral Cooperation Protocols)



Annually 1250 quota for exchange program
70% of acceptance rate for the students who apply for exchange.



International Students

Top 10 nationalities within 1876 international students from 87 countries

Ankara Campus		Northern Cyprus Campus	
Nationality	Number of Students	Nationality	Number of Students
Azerbaijan	265	Turkish Republic of Northern Cyprus	151
Iran	218	Pakistan	100
Pakistan	198	Kenya	51
Egypt	69	Nigeria	26
Syria	36	Egypt	18
Kazakhstan	33	Jordan	17
United States of America	32	Azerbaijan	16
Greece	26	Syria	13
Indonesia	24	Rwanda	13
India	24	Iran	12



International Accreditation



Engineering
Technology
Accreditation
Commission

METU is the 1st university receiving ABET accreditation in Türkiye.

All 13 engineering programs have ABET accreditation.



Europass certificate in all diplomas from all METU



European Association for Public Administration Accreditation



Joint Degree Programs & Protocols

University Partner	Country	Name of Joint Program	Program Level
SUNY Binghamton University	USA	Global and International Affairs	Undergraduate
SUNY Binghamton University	USA	Business Administration	Undergraduate
SUNY New Paltz University	USA	Business Administration	Undergraduate
SUNY New Paltz University	USA	Foreign Language Education/Liberal Studies	Undergraduate
Humboldt University	GERMANY	Social Sciences (Turkish-German)	Master's
Middlesex University	ENGLAND	Work Based Learning	Master's
Eindhoven University of Technology	NETHERLAND	Industrial Engineering	Master's
TU Delft	NETHERLAND	Design for Interaction	Master's
TU Delft	NETHERLAND	Computational Design and Fabrication Technologies in Architecture	Master's
The Rose School of the Institute for Advanced Study of Pavia The University Joseph Fourier G I The University of Patras	ITALY FRANCE GREECE	Earthquake Engineering and Engineering Seismology	Master's



Joint Degree Programs & Protocols

University Partner	Country	Name of Joint Program	Program Level
University of Poitiers-ENSMA	FRANCE	Aerospace Engineering	Doctoral
University of Orleans	FRANCE	Aerospace Engineering	Doctoral
Universite Paul Sabatier (Toulouse)	FRANCE	Biology	Doctoral
Claude Bernard Lyon University	FRANCE	Biotechnology	Doctoral
INSA of Lyon (Institut National des Sciences Appliquees de Lyon)	FRANCE	Chemical Engineering	Doctoral
Ecole Nationale Superieure des Mines de Paris	FRANCE	Civil Engineering	Doctoral
University Bordeaux 1	FRANCE	Food Engineering	Doctoral
Univers.Louis Pasteur- Strasbourg	FRANCE	Mathematics	Doctoral
Lumiere Lyon 2 University	FRANCE	International Relations	Doctoral
Technical University of Eindhoven	NETHERLANDS	Chemical Engineering	Doctoral
Carnegie Mellon University	USA	Civil Engineering	Doctoral
Carnegie Mellon University	USA	Environmental Eng.	Doctoral





UNDERGRADUATE PROGRAMS

ENGINEERING (13)

- Aerospace Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical and Electronics Engineering
- Environmental Engineering
- Food Engineering
- Geological Engineering
- Industrial Engineering
- Mechanical Engineering
- Metallurgical and Materials Engineering
- Mining Engineering
- Petroleum and Natural Gas Engineering

ART & SCIENCES (10)

Biology, Chemistry, History, Mathematics, Molecular Biology and Genetics, Philosophy, Psychology, Physics, Sociology, Statistics

ARCHITECTURE (3)

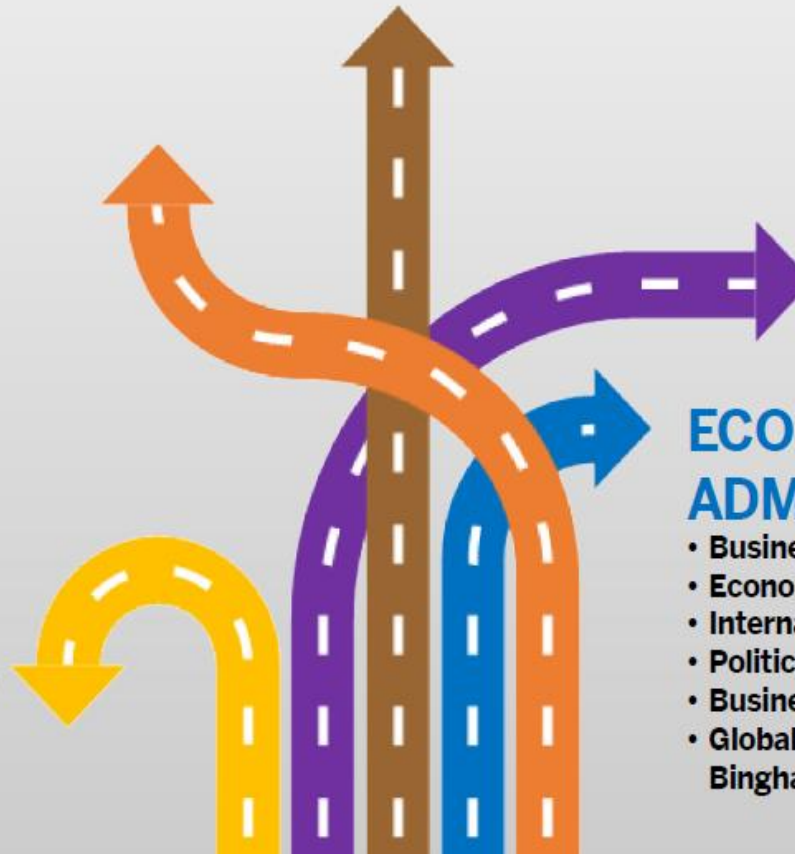
- Architecture
- City and Regional Planning
- Industrial Design

EDUCATION (7)

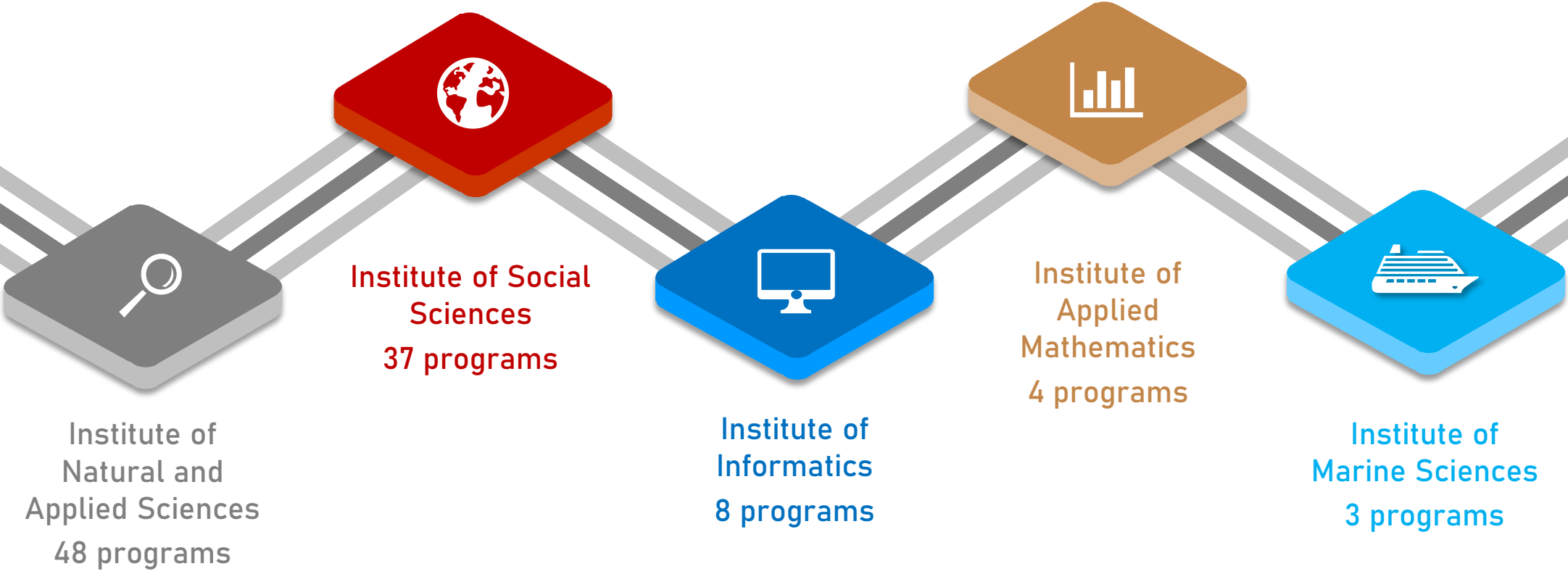
- Computer Education and Instructional Technology
- Educational Sciences
- Elementary Education
- Foreign Language Education
- Physical Education and Sports
- Secondary Science & Math. Education
- English Language Teaching (METU-SUNY)

ECONOMICS & ADMINISTRATIVE SCIENCES (6)

- Business Administration
- Economics
- International Relations
- Political Science and Public Administration
- Business Administration (METU-SUNY Binghamton)
- Global and International Affairs (METU-SUNY Binghamton)



Graduate Institutes



Research Potential



METU Teknokent
1.4 billion USD export
17 billion TL national
technology sale
415 companies
10.000 employees



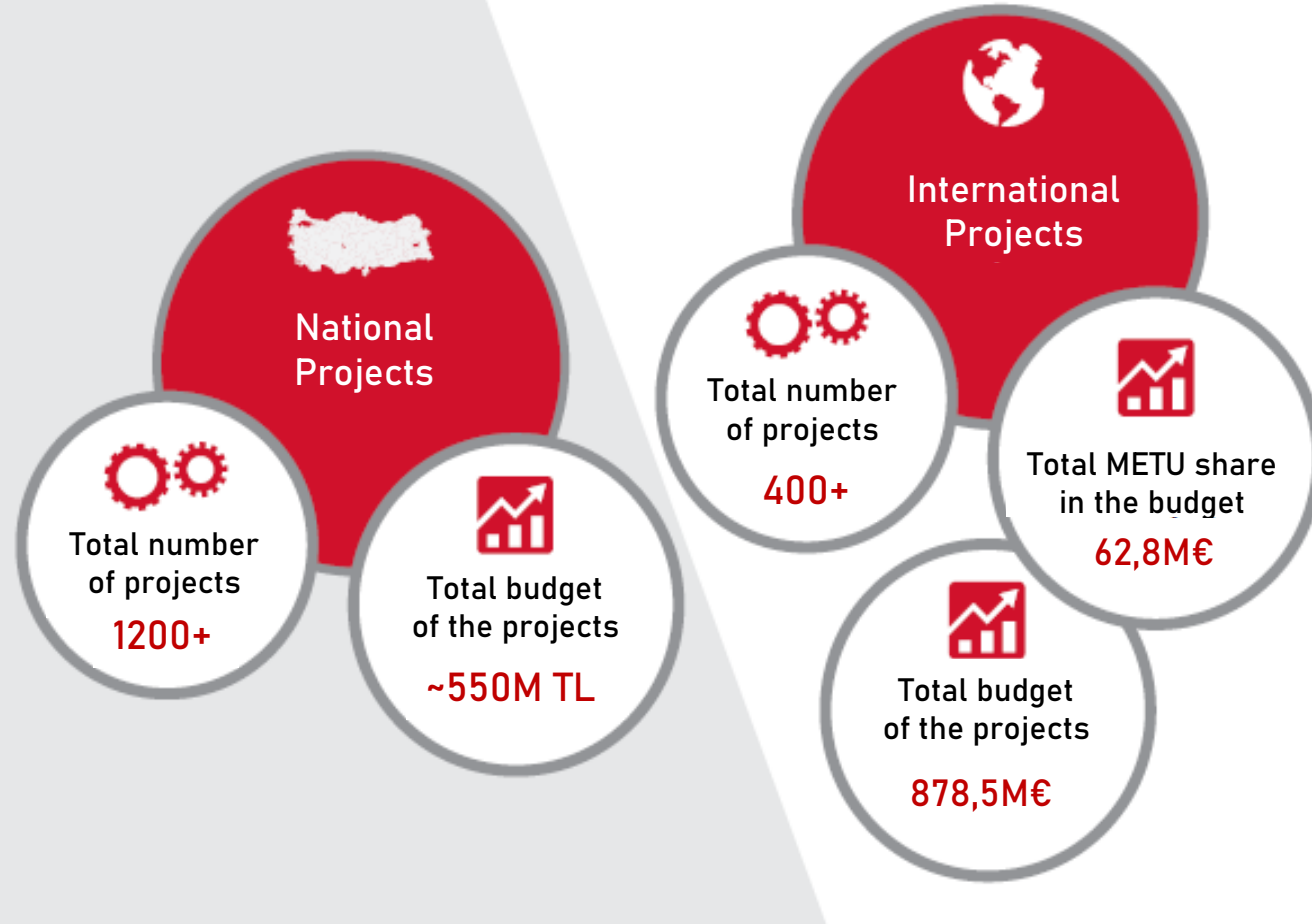
Laboratories
40 research centers
430 research and
training laboratories



Library
Over 1.000.000 resources
266.000 electronic books
43.100 electronic journals
Seating capacity of 1.350 people



Research Potential



METU, has been selected as the most successful research university (among the 23) in the last 6 years by YÖK (Higher Education Council), provides approximately 25% of its budget every year from competitive national and international research funds with its research and development activities.



METU & EU Projects @ a glance

Horizon 2020

- 55 Projects
- ~18 M€ METU Budget
- 6 Coordinatorship
 - PRIMA Section I, MSCA & REA I&A
 - MSCA Co-fund -20 post doctoral researchers
 - Green & Blue Transition

Horizon Europe

- 24 Projects
- ~12 M€ METU Budget

METU ranked

1st – FP7

2nd – Horizon 2020

2nd – Horizon Europe

among the Turkish Universities



Research Potential



Most Successful
Research Institutions in Türkiye

Projects
Participated

MIDDLE EAST TECHNICAL UNIVERSITY

26

TÜBİTAK

24

KOÇ UNIVERSITY

23

SABANCI UNIVERSITY

14

İHSAN DOĞRAMACI BİLKENT UNIVERSITY

12

İSTANBUL TECHNICAL UNIVERSITY

12

İZMİR INSTITUTE OF TECHNOLOGY

9

MARMARA ÜNİVERSİTESİ

8

DOKUZ EYLÜL UNIVERSITY

7



Within the scope of the Horizon Europe Program, **METU ranks top** for receiving **the most project support** among Turkish Institutions



Research Potential



European Research Council
Established by the European Commission

The ERC, set up by the European Union in 2007, is the premier European funding organisation for excellent frontier research. It funds creative researchers of any nationality and age, to run projects based across Europe.

<https://erc.europa.eu/about-erc/erc-glance>

METU is the only public university in Türkiye with 5 European Research Council (ERC) projects.



ERC Projects of METU

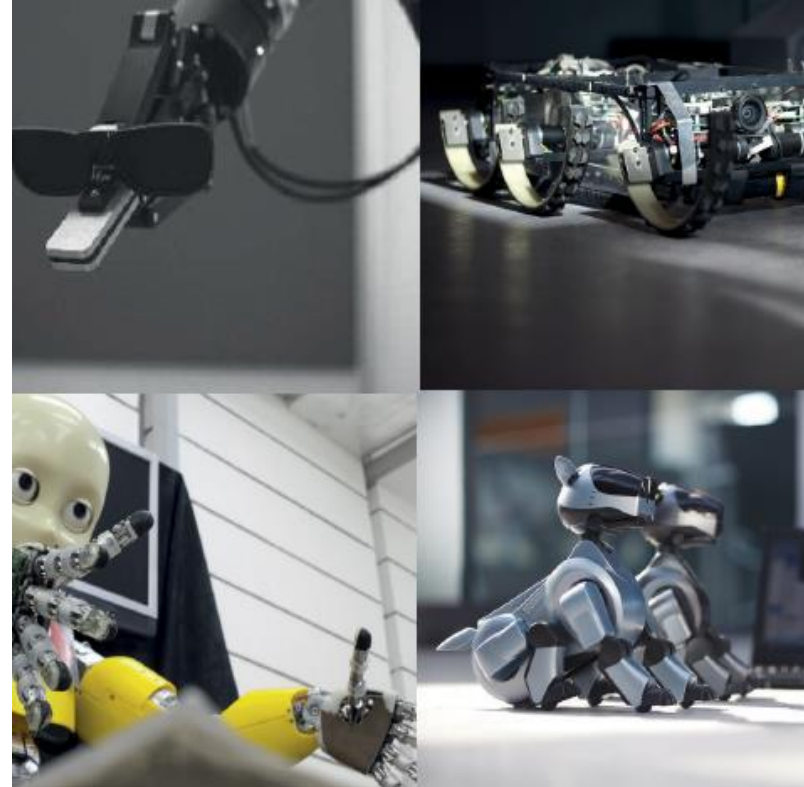
Project Type	Acronym	Name	Budget
ERC Starting Grant	InfraDynamics	Realization of Advanced Drugs for Targeted Non-Invasive Cancer Treatment	1.5 M€
ERC Starting Grant	LCFLOW	Liquid Crystals in Flow: A new era in sensing and diagnostics	1.5 M€
ERC Consolidator Grant	FLAMENCO	An Autonomous and Fully Implantable Cochlear Implant	2 M€
Proof-of-Concept Grants	FLAMENCO	1) Road to Market for Fully Implantable Cochlear Implant: Phase 1 (OPERA)	150 000€
		2) Validation of Magnet-Free Wireless Charging and Communication for Intra-body Devices (ARIA)	150 000€
ERC Consolidator Grant	Neogene	Archaeogenomic analysis of genetic and cultural interactions in Neolithic Anatolian societies	2.5 M€
ERC Consolidator Grant	DeepTrace	Tracing nanoparticle-fuelled co-mobilization of catalyst metals across Earth's deep-sea redox interfaces to pave the way for habitability detection in Ocean Worlds	2.5 M€



ROBOROYALE

INCREASING LIVE ECOSYSTEMS WITH
ROBOTIC REPLICAS TO OPTIMIZE
PRODUCTIVITY

PROJECT BUDGET: 3,3 MILLION €
METU BUDGET: 335K €



*Future and Emerging Technologies. FETs can be considered as ERC projects with multi-partners.



IPA (Instrument for Pre-accession Assistance) Projects

ECITE - Emergence of Creative Industries and Transformation of Economy through Innovative Technologies

Games, Wearables and New Generation Film-Making

FINANCIAL SOURCE: The Ministry of Industry and Technology / EU Competitive Sectors Programme

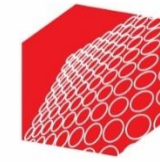
TARGET SECTORS: Gaming, Wearable Technology, Film

PROJECT BUDGET: 5M€

With the project, it was aimed to support the competitiveness and sustainability of entrepreneurs, micro SMEs and SMEs in the fields of gaming, wearable technologies and new generation film production and to increase their place in the global market by creating a creative center.



Digital Innovation Center



BILTIA
ODTÜ-BILTIA MERKEZI
METU-BILTIA CENTER



FINANCIAL SOURCE:

The Ministry of Industry and Technology / EU Competitive Sectors Programme

TARGET SECTORS:

Machine manufacturers and automotive

PARTNERS:

MAKFED (Turkish Machinery Federation) and ODTÜ TEKNOKENT

PROJECT BUDGET: 8M€

With the project, it is aimed to establish a digital innovation center to provide R&D training and mentoring services in the digital transformation of the manufacturing industry, and to have this center play an important role in the ecosystem to be formed by participating in national and international networks in the field of digital transformation.



METU as Researcher Friendly University

HR EXCELLENCE IN RESEARCH

METU has HR Excellence in Research Award, which is given to research friendly universities.

METU is the first Turkish university to receive HR Logo, that is an important symbol for the international visibility and reliability of universities.



HR EXCELLENCE IN RESEARCH

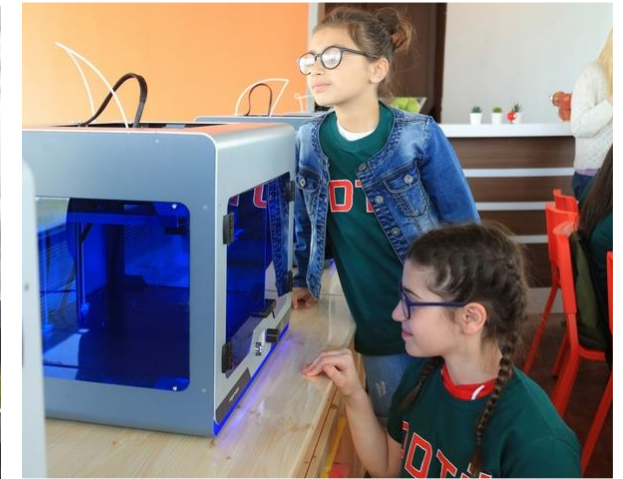


Society and Science Application and Research Center

METU proudly houses the first Society and Science Center among all Turkish universities.

This center welcomes more than 30,000 K-12 students throughout the year.

All activities are free of charge.

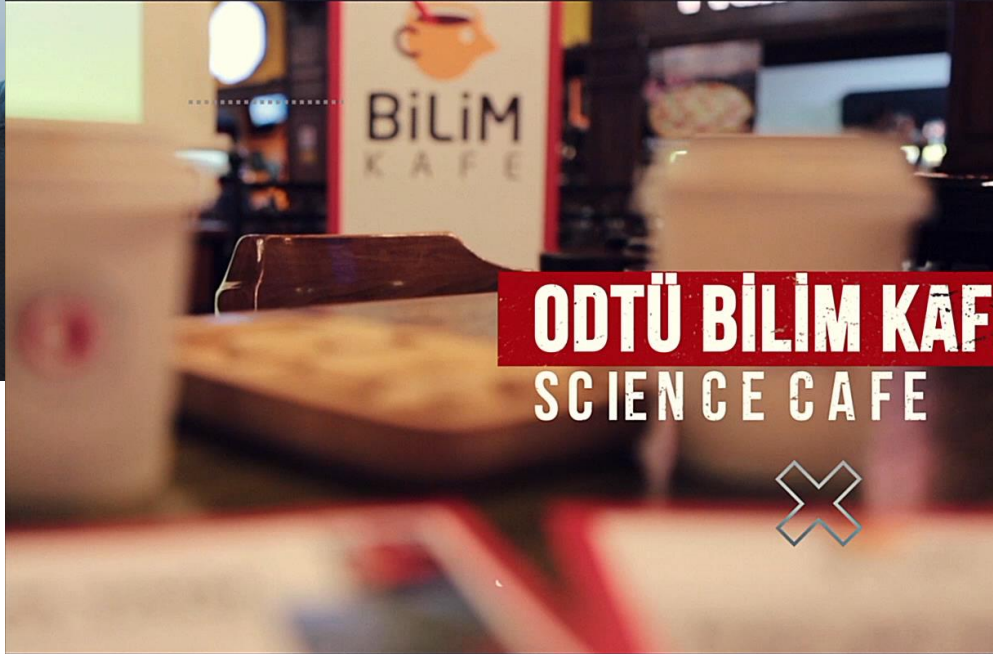
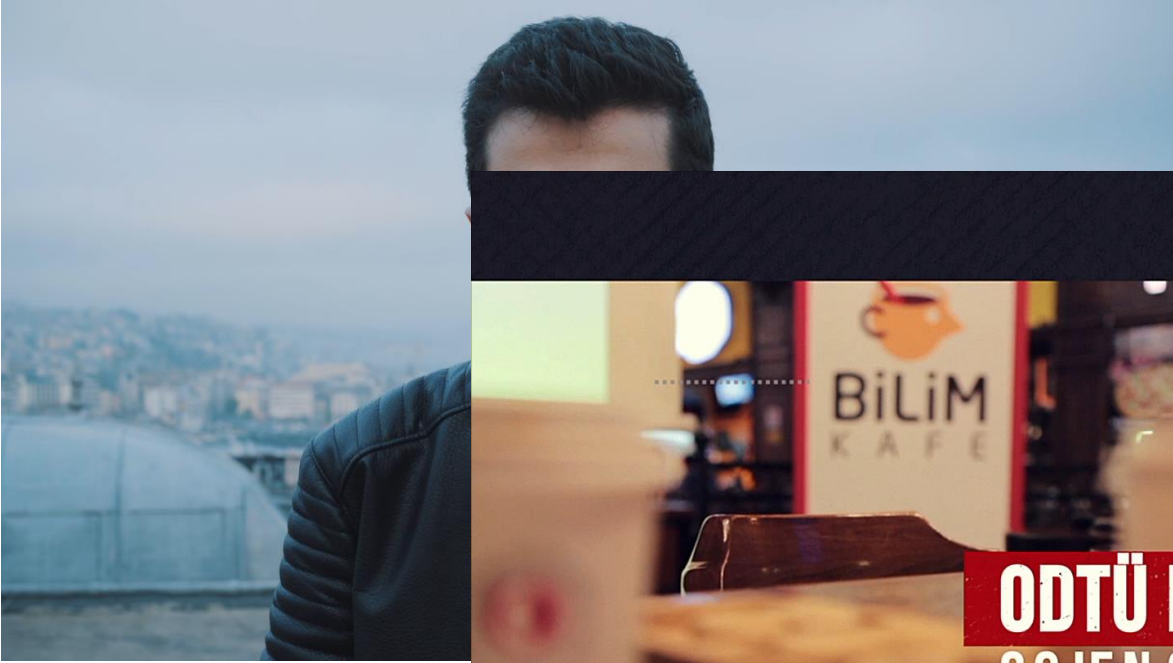


Office of Science Communication

METU is the pioneering Turkish university to establish a dedicated Science Communication Office.

The science communication model implemented at METU is designed within a framework characterized by creative elements based on what is referred to in the literature as the second-generation approach. This model aims to establish bidirectional communication between the scientific community and society.





ODTÜ BİLİM KAFE
SCIENCE CAFE



Science at Home
is on Turkish
Airlines
In-Flight
Entertainment
System



Science Communication

Office of Science Communication

Examples of our recent projects:

Science is Life

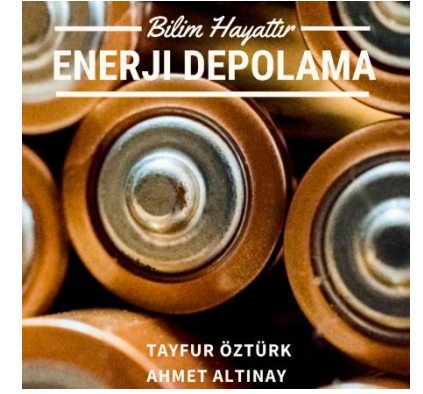
Cooperation between METU and TRT gave way to various television and radio programs

This is a radio program that was aired on TRT-Radio 1.

Podcasts of the program were also produced.

The program was hosted by a student from METU.

A radio studio was established at GİSAM.



20 Episodes – SCIENCE is LIFE
Radio Program – TRT Radyo 1
ODTÜ Podcast/Spotify



Science Communication

Office of Science Communication

Examples of our recent projects:

METU Presidential Lecture Series

In this program, we invite world-renowned scientists and researchers to deliver speeches at METU.

Guest Speaker Examples:

Dr. Peter Agre: Nobel Prize winner in Chemistry, 2003

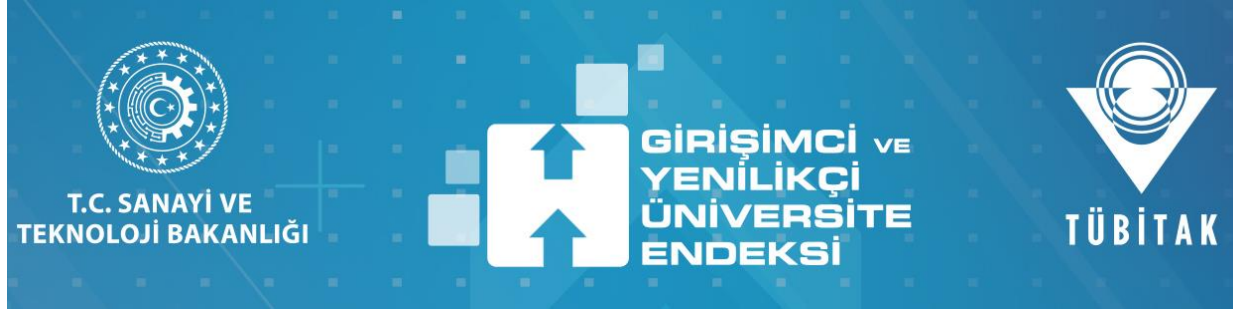
Dr. William Colglazier: Former Science and Technology Advisor to the USA Secretary of State

Dorothy Marie "Dottie" Metcalf-Lindenburger: NASA Astronaut



Entrepreneurship

Türkiye's "Most Entrepreneurial and Innovative University" in 2019, 2020 , 2021 and 2022 consecutively.



TÜBİTAK in collaboration with Ministry of Industry and Technology as well other state and private institutions





ODTÜ·TEKNOKENT

- First technopark in Turkey
- One of the most successful technoparks in Turkey – According to the Technology Development Zones Performance Index Study of Ministry of Industry and Technology between 2011-2021, ranked first for 7 times
- 400+ technology companies - More than %70 are started up in ODTÜ TEKNOKENT
- A total closed area of 170.000 m² in 3 campuses
- 13.000+ total personnel & 11.000+ researchers
- 3+Billion USD – technology exports & 40+ Billion TL – domestic technology sales since 2002



- Yeni Fikirler Yeni İşler (YFYİ) Acceleration Program
- First of its kind in Turkey
- 19 years of success with more than 1000 employment, 250+ startups established



- Animation Technologies and Digital Gaming (ATOM) Pre-Incubation and Incubation Center
- First of its kind in Turkey
- 15+ years of success with more than 2000+ developers supported, 700+ games developed, 50+ startups established and 20+ Million USD exports realized employment, 250+ startups established

INCUBATION CENTERS

- Incubation Centers focusing on education Technologies, serious gaming, impact, space and aviation and academic entrepreneurship
- 70+ new startups established each year
- 150+ startups/spinoffs hosted at a time



- One of the first technology transfer offices in Turkey established in 2007
- 200+ inventions, 50+ commercialized patents, 550+ patent applications and 280+ patents granted in its portfolio
- 2000+ joint R&D projects between university and technopark companies, 700+ different academics matched with the industry, 3000+ contracts between university and technopark companies



- Growth Circuit Ventures , investment in early startups (Pre-seed and seed)
- Investments realized between 50,000USD - 250,000USD per venture
- A total amount of 2 Million USD investment realized to 14 startups by the end of 2022, by the start of 2023 within its exit stage
- Venture Capital Investment Fund established in collaboration with Turkiye Development Fund and İstanbul Development Agency
- Seed investments to 22-25 early stage technology startups and 7 follow on investments will be realized focusing on deep tech, gaming, life sciences and renewable energy areas
- Closed 2022 with 6 Million USD, aims to reach a size of 10 Million USD by the end of 2023 with its second closing
- 5+ investments realised in 2023
- Turkey's first technopark supported co-working zone
- Total closed area of 4500m2 with more than 600 members
- Offers various membership models and services in the form of private and shared offices, co-working, virtual office, meeting rooms and event zones



ODTÜ- Research Park

- Seating Area: 10.800 m²
- Total usable area : 28.150 m²



October 2023

- Directorate of Research Coordination
- Directorate of Scientific Research Projects
- Center for Robotics and Artificial Intelligence (ROMER)
- Energy Materials and Storage Devices Research Center
- Center of Excellence in Biomaterials & Tissue Engineering
- ODTÜ Center for Solar Energy Research & Applications
- Climate Change and Sustainable Development Application & Research Center.

June 2024

- ODTÜ-Central Lab.- R&D Center for Molecular Biology and Biotechnology
- Cancer System Biology Lab.
- Ecosystem Implementation and Research Center
- The Research and Application Center for Space and Accelerator Technologies

**Funded by Republic of Türkiye
Presidency Office
Directorate of Strategy & Budget**

Together we can change the world!





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MIDDLE EAST TECHNICAL UNIVERSITY