



ORTA DOĐU 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.

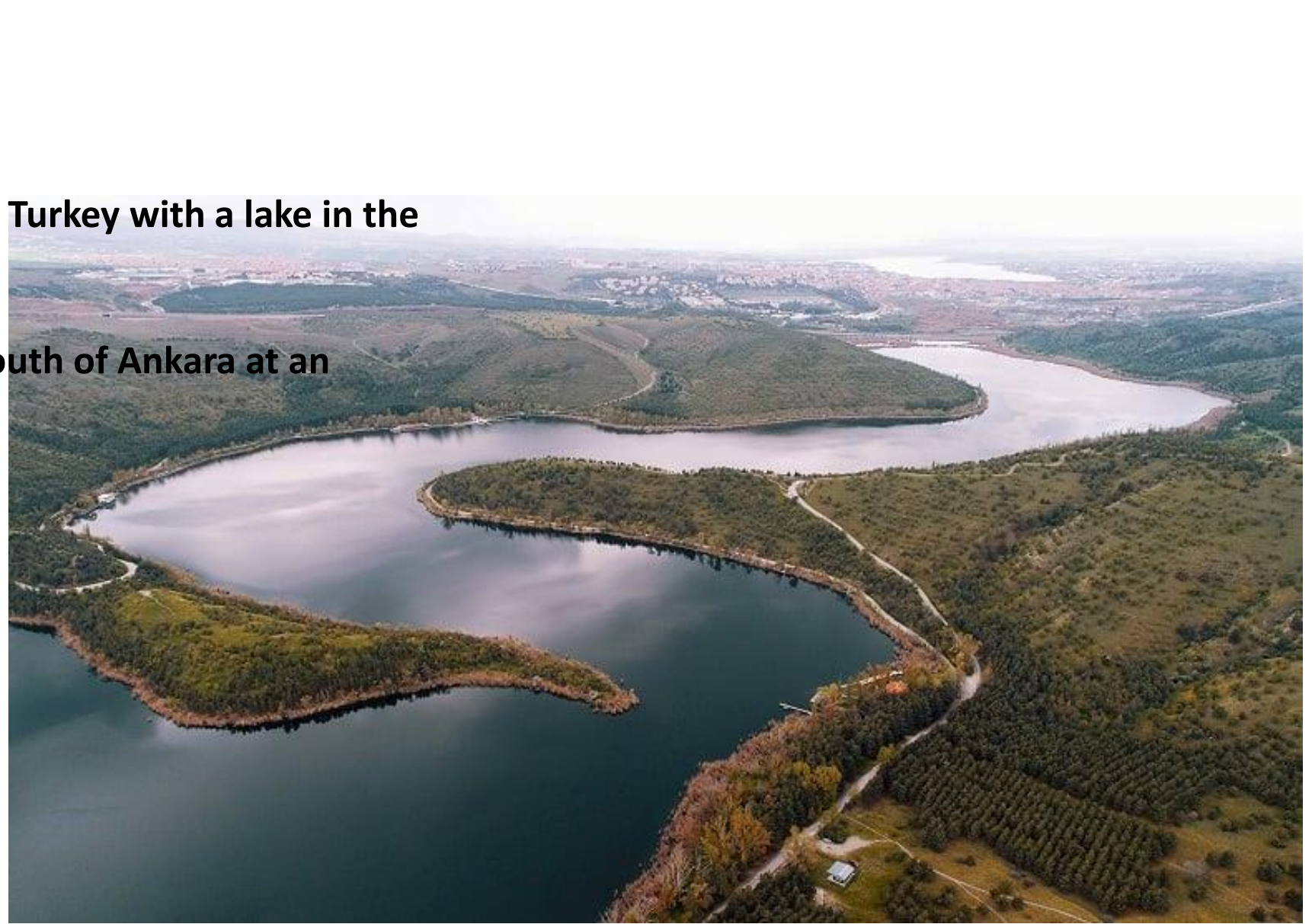


METU is the only university in Turkey with a lake in the campus area.

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.



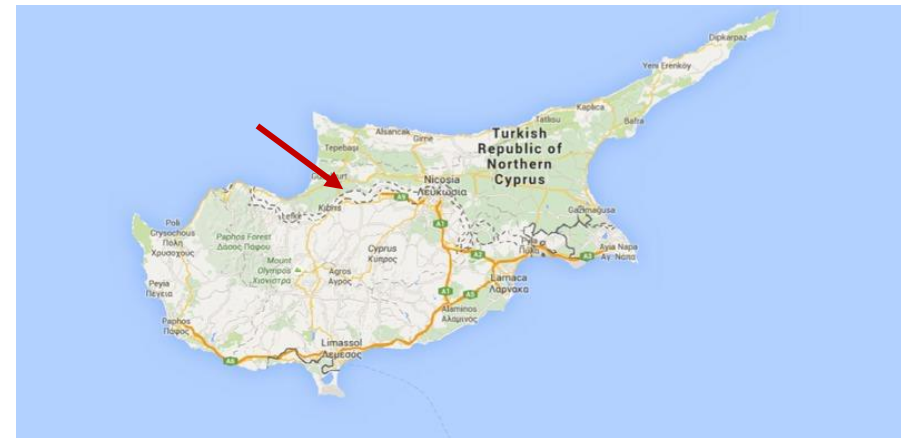
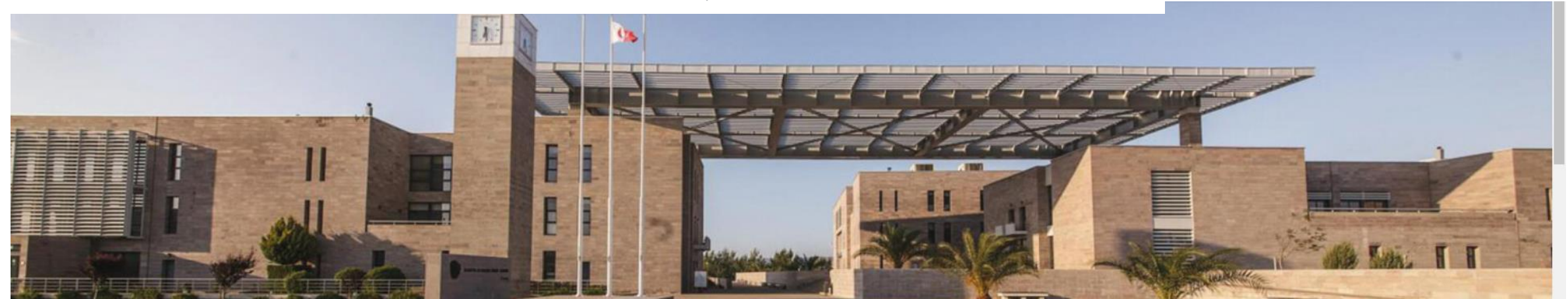
METUSAILINGTEAM





- 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





An Innovative University

Numerous “first”s introduced to the Turkish higher education and research area. Several examples:



1

First Turkish university to use **English as medium of instruction**

2

First Turkish university built on a campus

3

First Turkish university to use department, semester, and credit system

4

First **Internet Service Provider (ISP)** in Turkey (still serving as the DNS authority)

5

First **Technopark** in Turkey, a pioneering model in industry-university relations





An Innovative University

Numerous “first”s introduced to the Turkish higher education and research area. Several examples:



6

Establishment of **first** University Central Lab

7

First Campus Abroad (Northern Cyprus Campus)

8

First Turkish University in top 100 universities in international rankings (THE: 2014-2015, 85th)

9

First Confucius Center in Turkey

10

First to create a Faculty Development Program (FDP) Network



METU is ranked
1st in Türkiye
285th in the World

336

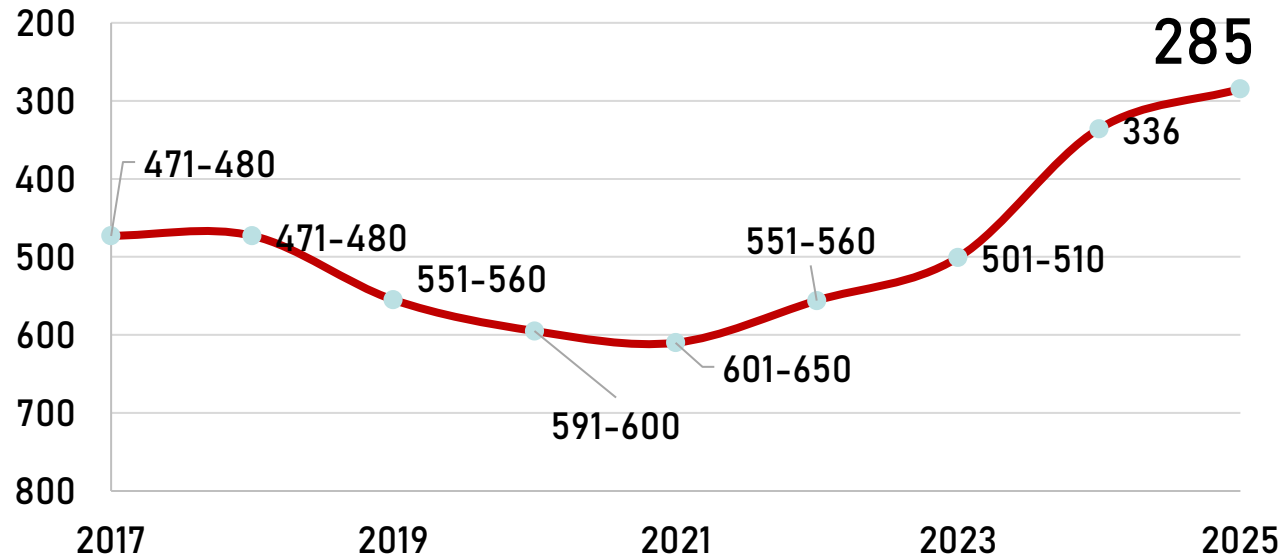
285



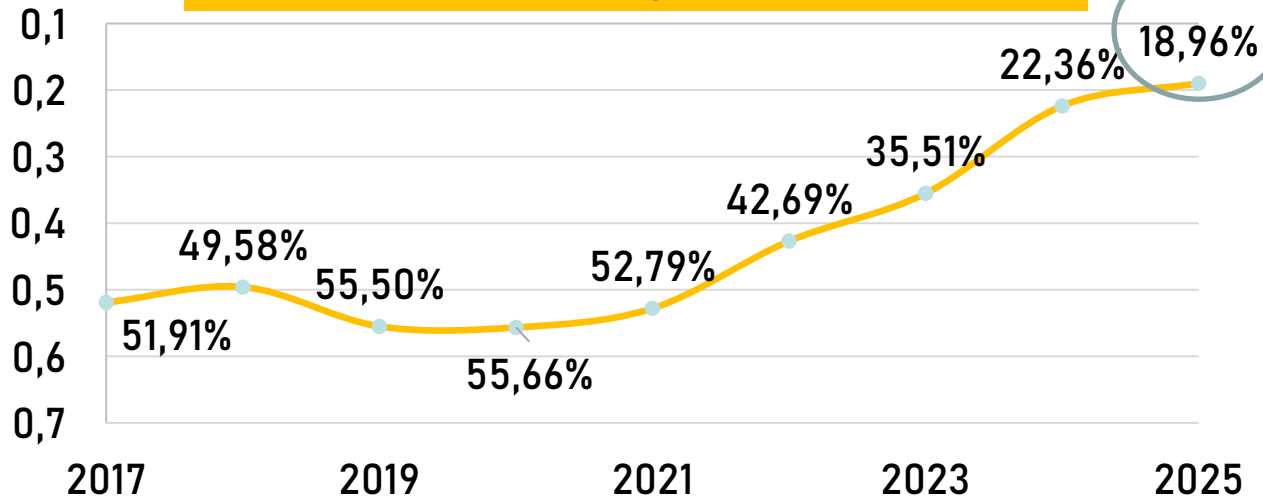
QS Europe: **METU** ranks **114th**
in Europe and **first** among
Turkish universities



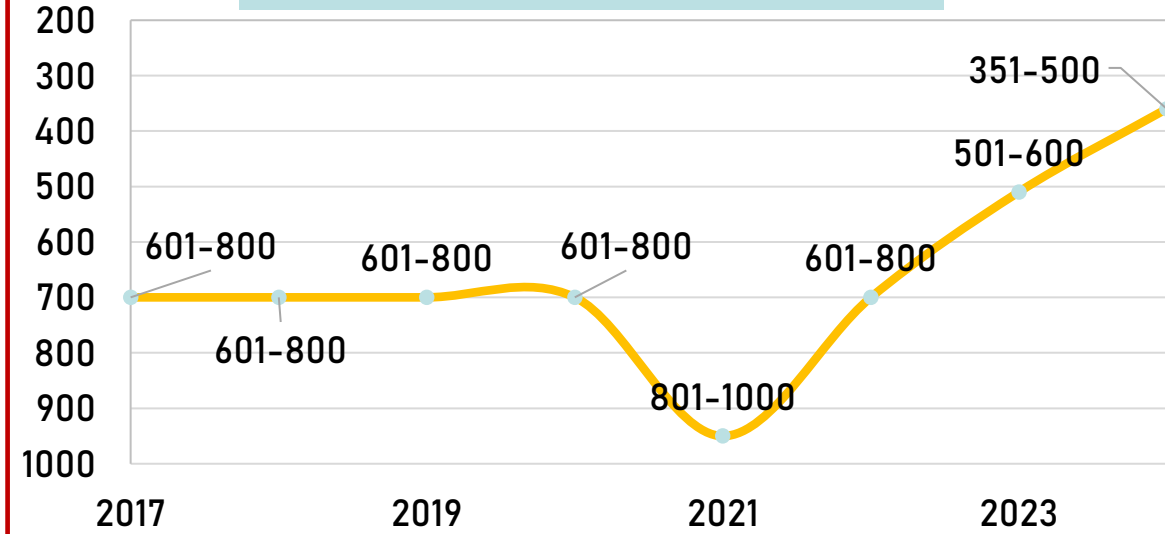
METU QS World Rankings



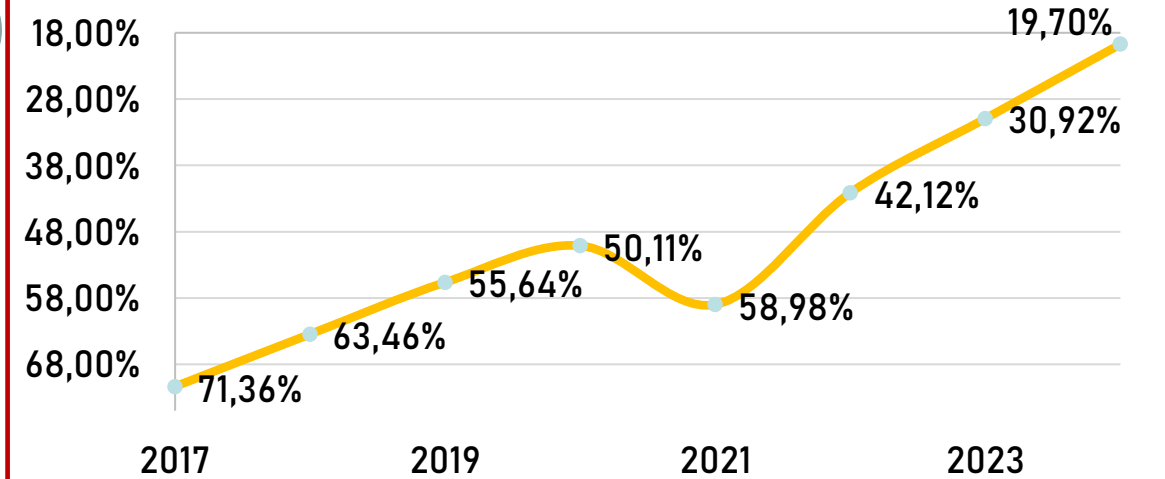
METU QS Ranking % Success Level



METU THE World Rankings



METU THE Ranking % Success Level





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



ODTÜ



General Overview and Main Indicators



25.089
Student



150.977
Graduate

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

~ 1800 international students from 87 countries



1892*

Academic
Personnel

As of 2023

705

Faculty Members

2603

Administrative
Staff

378

Professor

171

Associate
Professor

156

Assistant
Professor

327

Lecturer and Instructor

152

Specialist

90

Research Assistants under Article 35 (including OYP)

618

Research Assistants

36

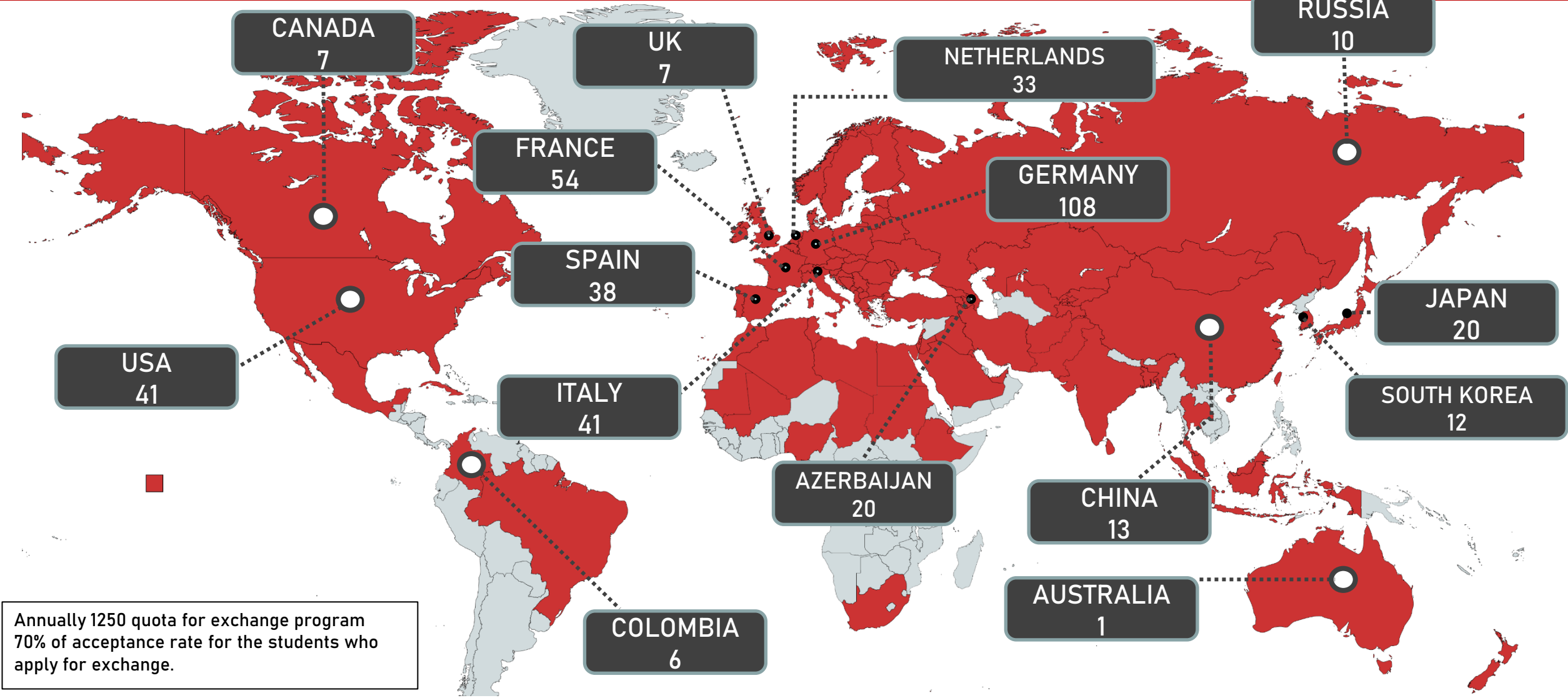
International Faculty Members

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)

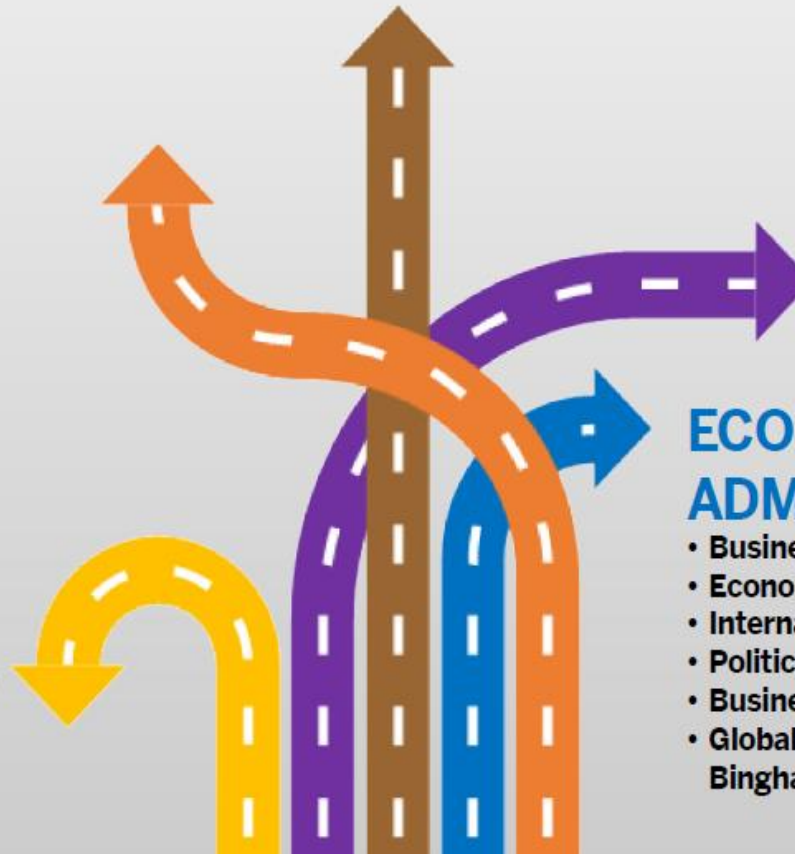
- Architecture
- City and Regional Planning
- Industrial Design

EDUCATION (7)

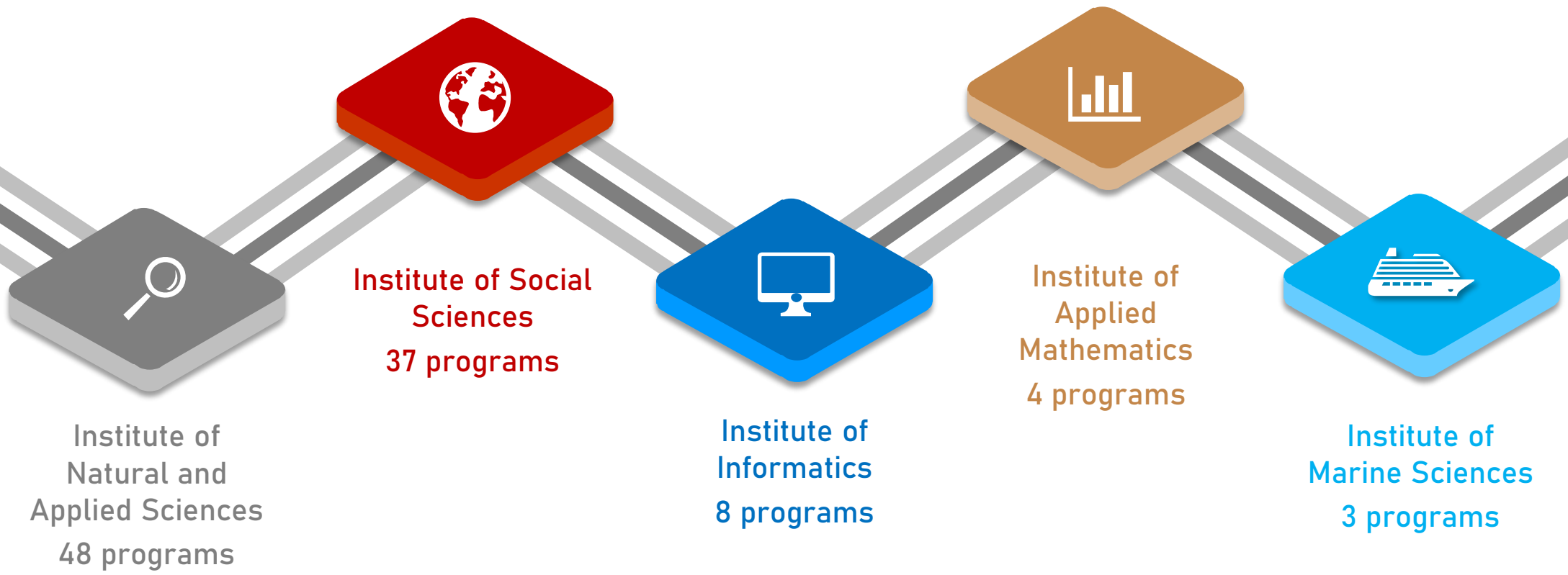
- Computer Education and Instructional Technology
- Educational Sciences
- Elementary Education
- Foreign Language Education
- Physical Education and Sports
- Secondary Science & Math. Education
- English Language Teaching (METU-SUNY)

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



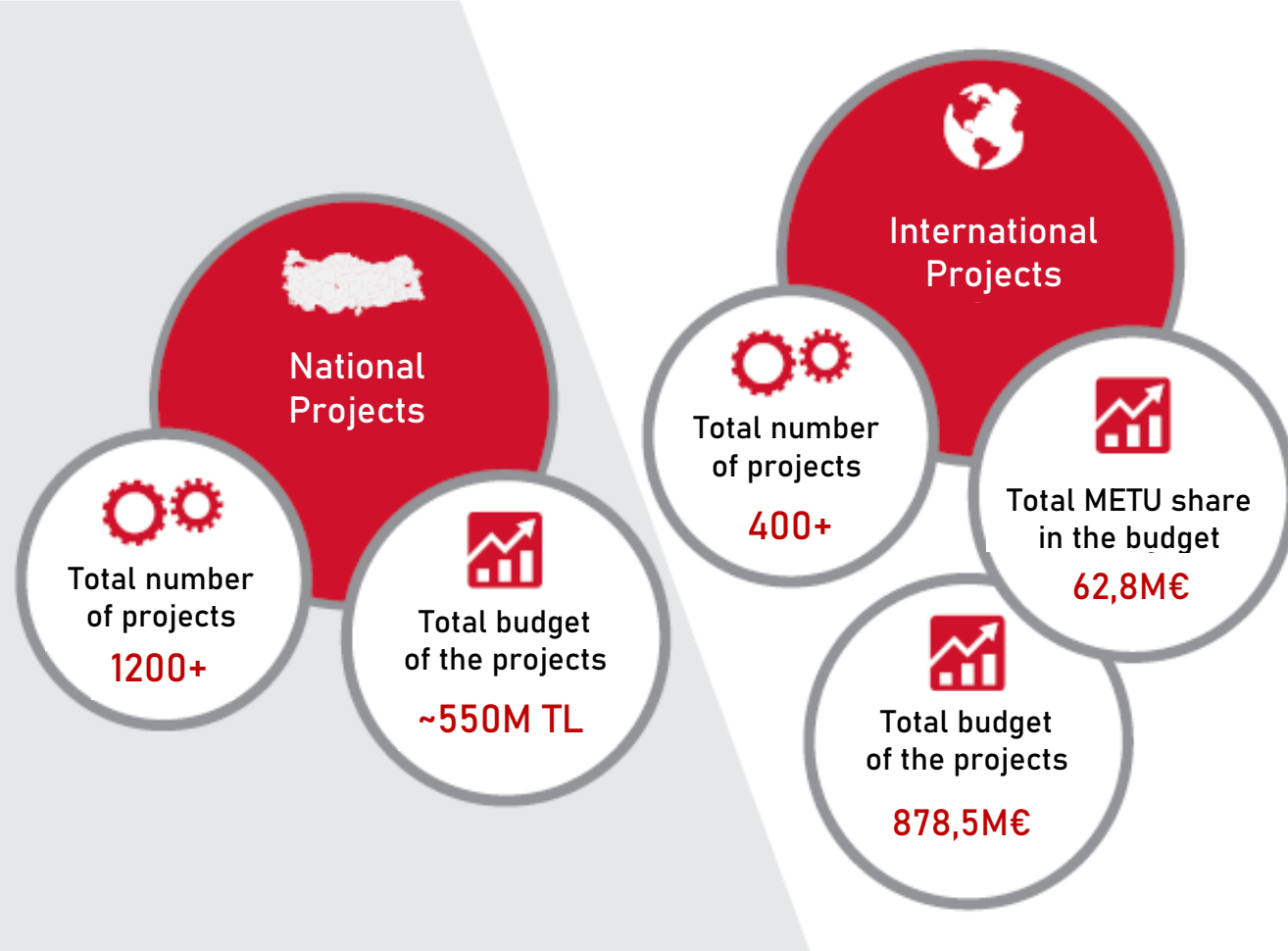
Laboratories
40 research centers
430 research and
training laboratories



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

- 37 Projects
- ~14.60 M€ METU Budget

<https://ufukavrupa.org.tr/tr/en-basarili-turk-arastirma-kuruluslari>

METU ranked 1st in Horizon Europe with receiving the highest number of projects.



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 6 European Research Council (ERC) projects.



ERC Projects of METU

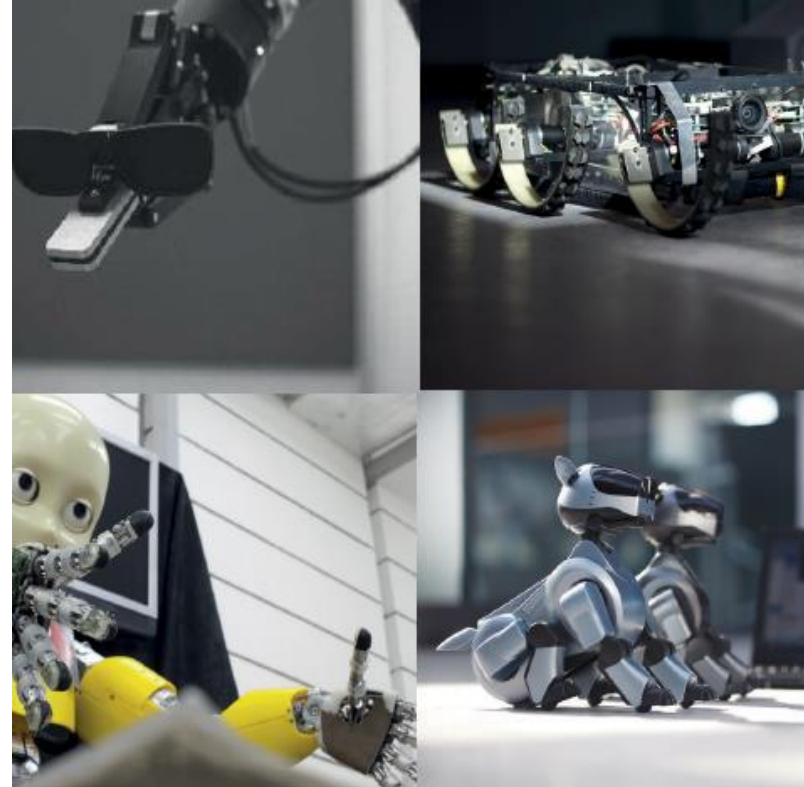
| Project Type | Acronym | Name | Budget |
|-------------------------|---------------|---|----------|
| ERC Starting Grant | InfraDynamics | Realization of Advanced Drugs for Targeted Non-Invasive Cancer Treatment | 1.5 M€ |
| ERC Starting Grant | LCFLOW | Liquid Crystals in Flow: A new era in sensing 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€ |
| ERC Advanced Grant | Go-Space | Goal-Oriented Networking for Space | 2.4 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

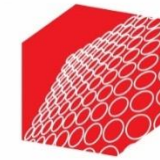
TARGET SECTORS: Gaming, Wearable Technology, Film

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.

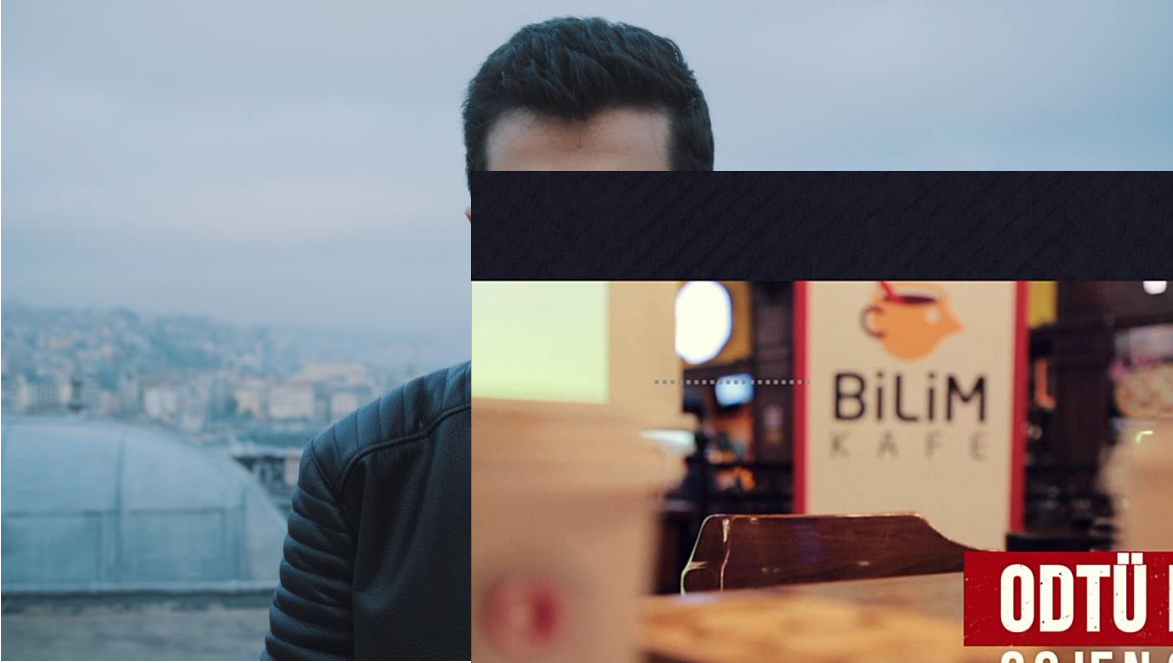


Office of Science Communication

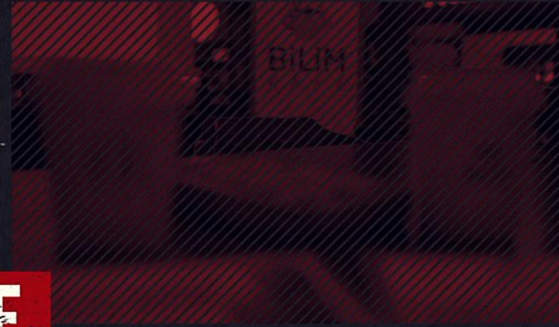
METU is the pioneering Turkish university to establish a dedicated Science Communication Office.

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

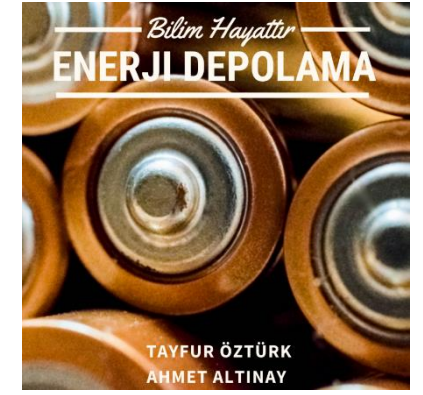
Cooperation between METU and TRT gave way to various television and radio programs

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

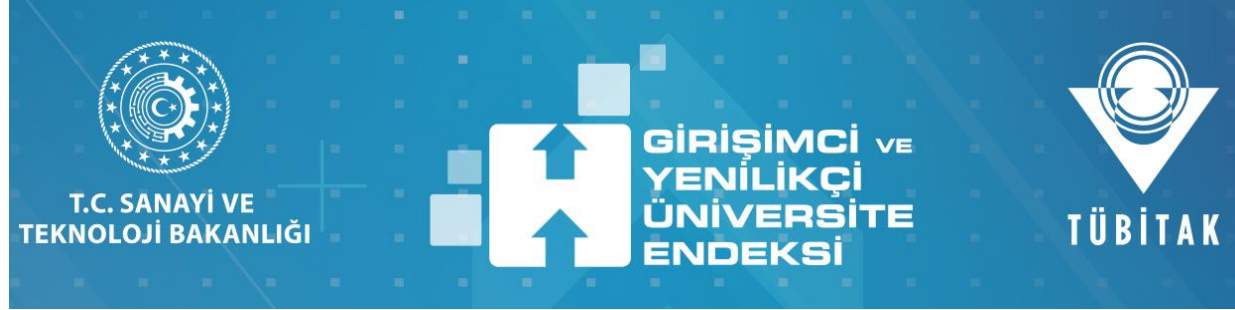
Dr. William Colglazier: Former Science and Technology Advisor to the USA Secretary of State

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



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

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

Together we can change the world!





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