

İTÜ



Research Management Strategy

26.11.2025

Prof.Dr. Serdar ÖZOĞUZ
Dean of Research

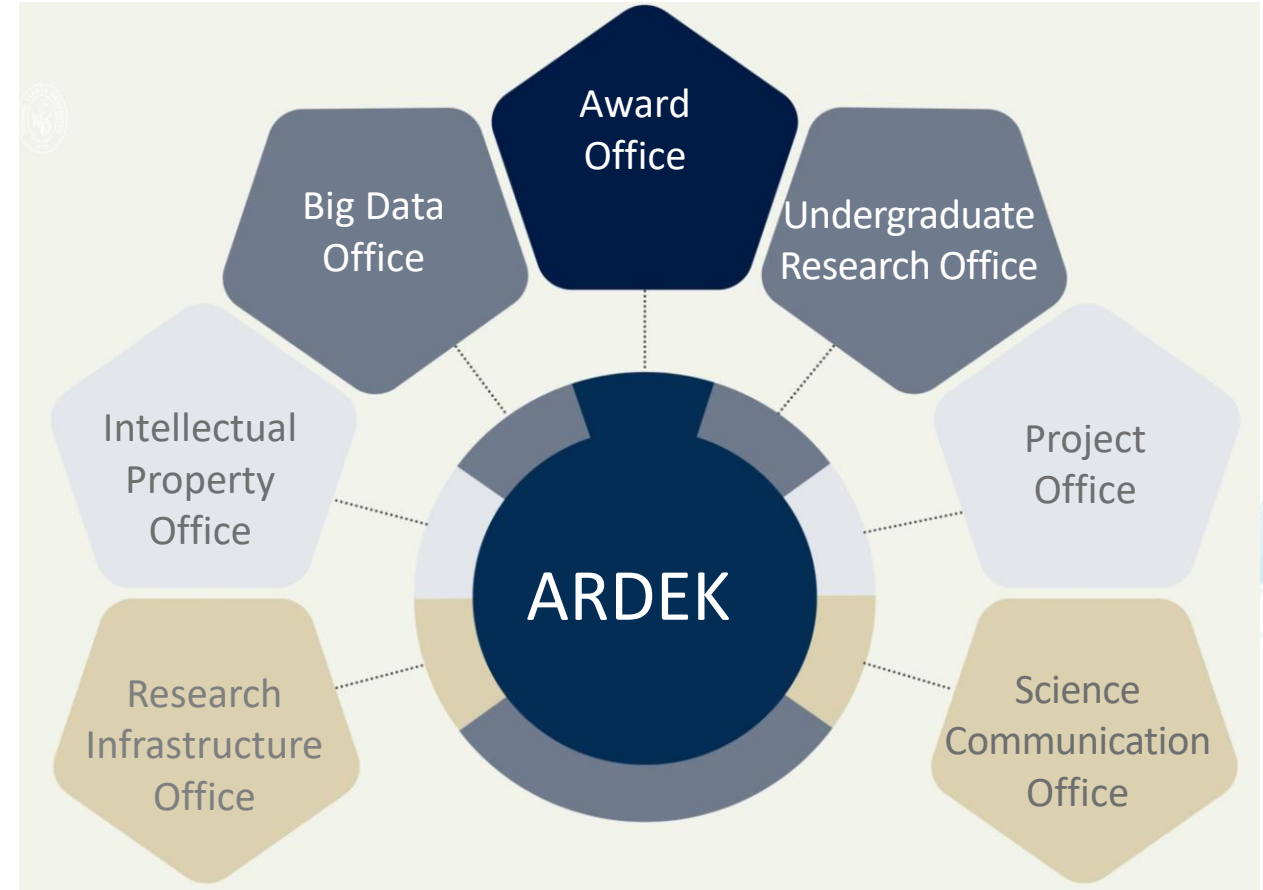
“

Since 1773, İTÜ has represented the achievement of deepening knowledge, inspiring innovations through discovery, and advancing humanity.

”

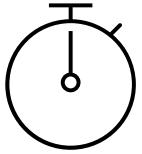


The Office of the Dean of Research (ARDEK) was established to help Istanbul Technical University to excel as a research-oriented institution, to facilitate the research and development ecosystem, to provide rapid support for resource needs, and to offer guidance and financial assistance to ensure sustainability.

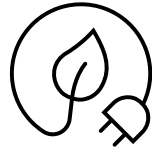


ITU's research management process began with the creation of a big data ecosystem—an advanced digital transformation initiative that enables real-time monitoring, evaluation, and interpretation of institutional data.

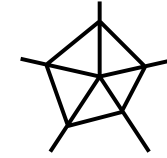




Official Launch
May 2023



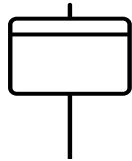
Target: Improved
visibility of the
Research Output



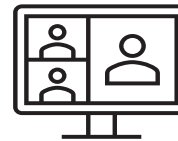
The procedure is coordinated by
Office of Big Data.



Data are collected
via BeeHub



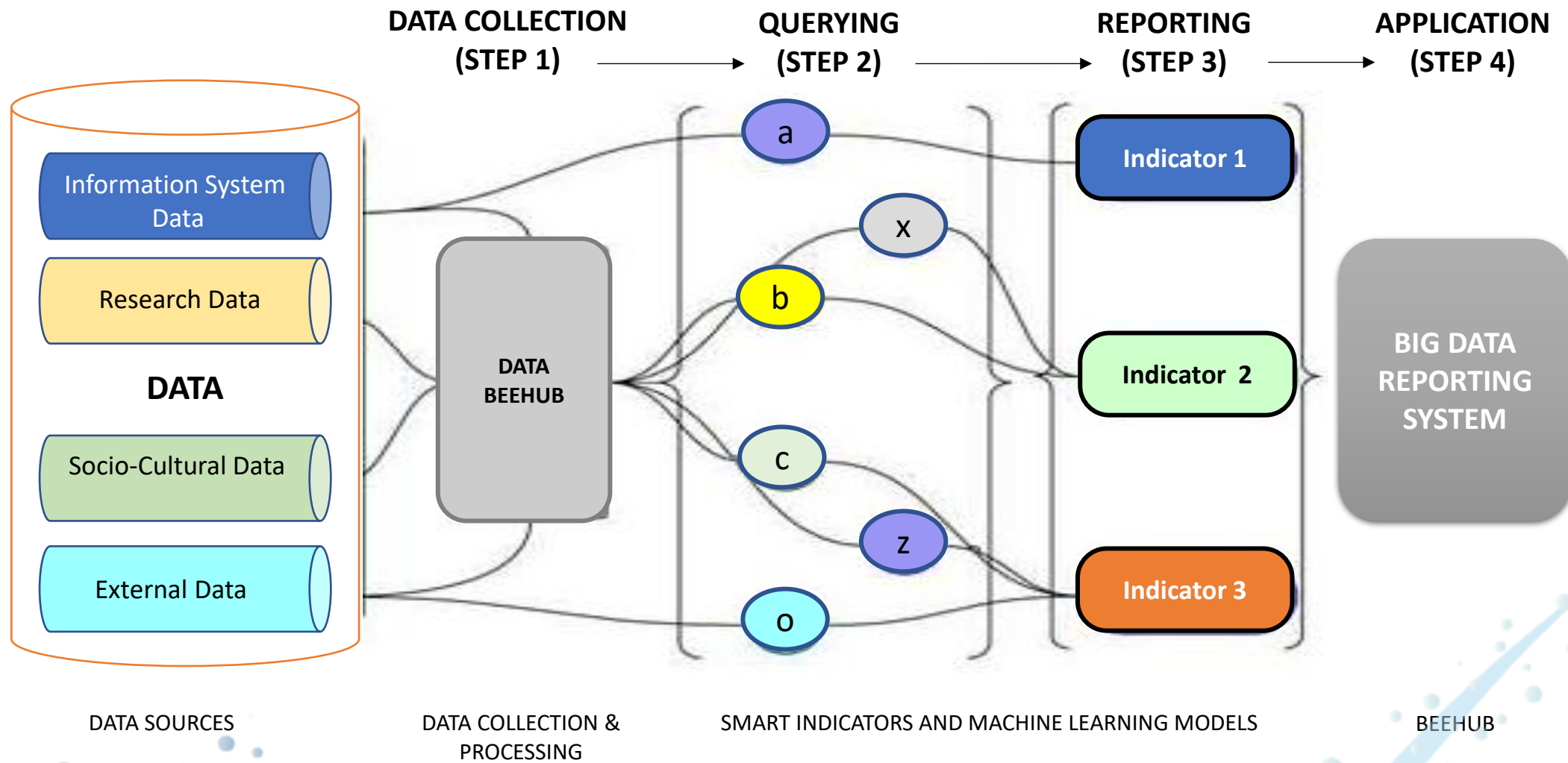
Documentation
is Under Preparation



26+ Coordination
Meetings



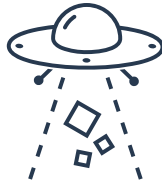
İTÜ Research Portal
became operational in May 2024



BeeHub Data Process Cycle



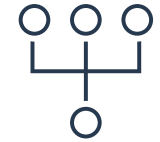
Identification of Data Sources



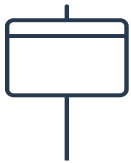
Data Collection



Data Storage



Data Pre-Processing



Data Analysis



Pre-Reporting & Selection of Visualization Type



BEEHUB – PLATFORM

- Publication & Research Data
- Project Data (TÜBİTAK, TÜSEB, International Projects, Revolving Funds, BAP, TTO, etc.)
- Student and Staff Data
- Education & Instruction Data (Courses, Graduate Thesis Supervision, etc.)
- Laboratory & Research Center Data
- Alumni Data
- Library Data
- External Data Sources (WoS, Scopus, YÖKSİS, etc.)
- Data from Ranking Agencies
- Academic Performance Data
- Sustainability Data

İTÜ

Welcome to Istanbul Technical University

Advanced search

2239 Profiles 84 Research units 6090 Projects 41006 Research output 1476 Prizes 16690 Student theses

İTÜ

Home Profiles Research units Projects Research output Prizes Student theses

Search...

Hasan Mandal
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İTÜ Ayazağa Kampüsü
Turkey

h-index
1996 Citations 24 h-index

Research activity per year

Overview Fingerprint Network Research output (168) Similar Profiles (12)

Personal profile

My gallery



<https://research.itu.edu.tr>

- ❖ Independent integrated data sources for data input (Scopus, WoS, YÖKSİS, etc.)
- ❖ Fingerprint generation, workflow management, and autonomous data quality control
- ❖ Advanced search options (concept, similarity, unit, department, etc.)





- For faculties, departments, academicians,
- National and international collaborations
 - Research outputs (articles, conference papers, etc.)
 - Projects and patents
 - Educational outputs (courses, advising, theses, etc.)
 - Activities, awards & services
 - Media reports (Altmetric, PlumX, etc.)
 - Impact and performance measurement
 - Research equipment
 - Data sets

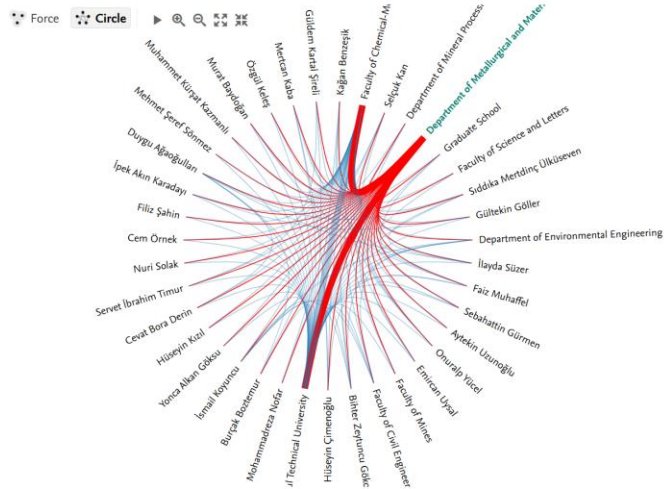
<https://research.itu.edu.tr>

Network

Visualization Map Research units

- ☒ Profiles
 - ☐ External persons
 - ☒ Research units
 - ☐ External research units
 - ☐ Show counts on lines
- Years
2021 to 2025
- Collaboration minimum
7

Department of
Metallurgical and
Materials Engineering
Faculty of Chemical-Metallurgical
Engineering
Organisational unit: Department



Collaborations and top research areas from the last five years

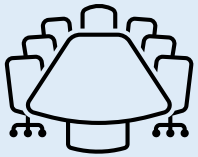
Recent external collaboration on country/territory level. Dive into details by clicking on the dots or Select a country/territory from the list



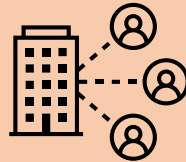
Fingerprint indices

- Cells
- Neoplasms
- Sarcoplasmic Reticulum
- Oxidoreductases
- Metabolism
- Synaptic Vesicles
- Enzymes
- Mice
- Pulmonary Artery
- Aldehydes

Research Portal User Network



Administration



50+ Units



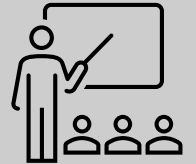
**13 faculties
6 institutes
1 conservatory**



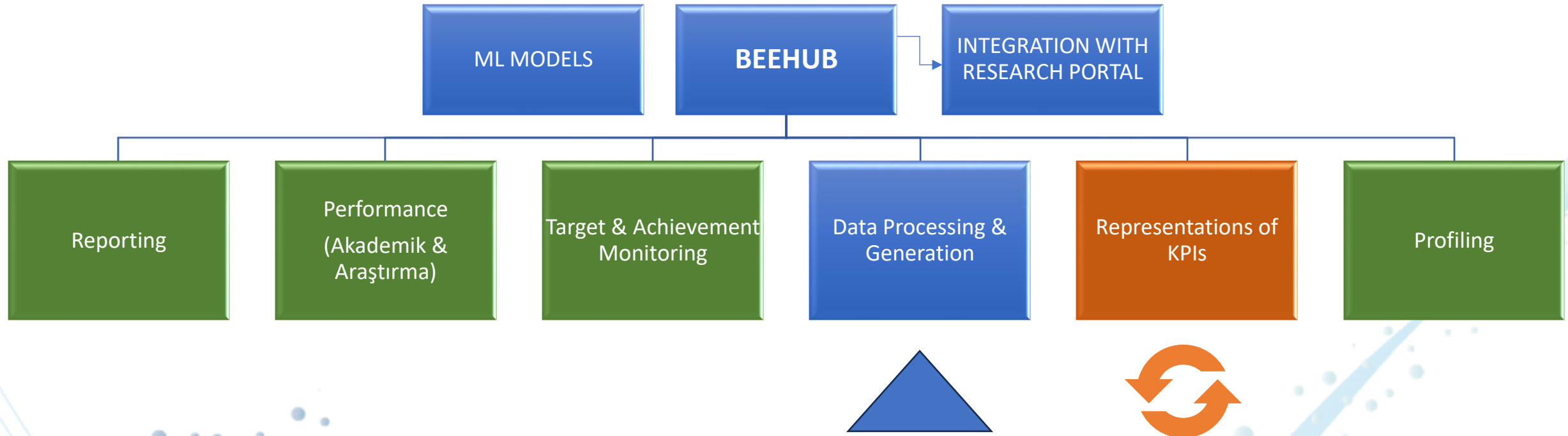
**400+
Labs**



**30+ Research
and Application
Centers**



**2200+
Akademicians**





ITU Among the Top 300 Universities in the World!


298th
2026


404th
2024


326th
2025

itü



BY SUBJECT 2025

From Roots to the Future, Following the Path of Science,
**ITU, Towards the Top
in Engineering and Technology**


in the world
40th
PETROLEUM
ENGINEERING


in the world
79th
ENGINEERING AND
TECHNOLOGY


in the world
44th
MINERAL & MINING
ENGINEERING


in the world
51-100
ARCHITECTURE/BUILT
ENVIRONMENT

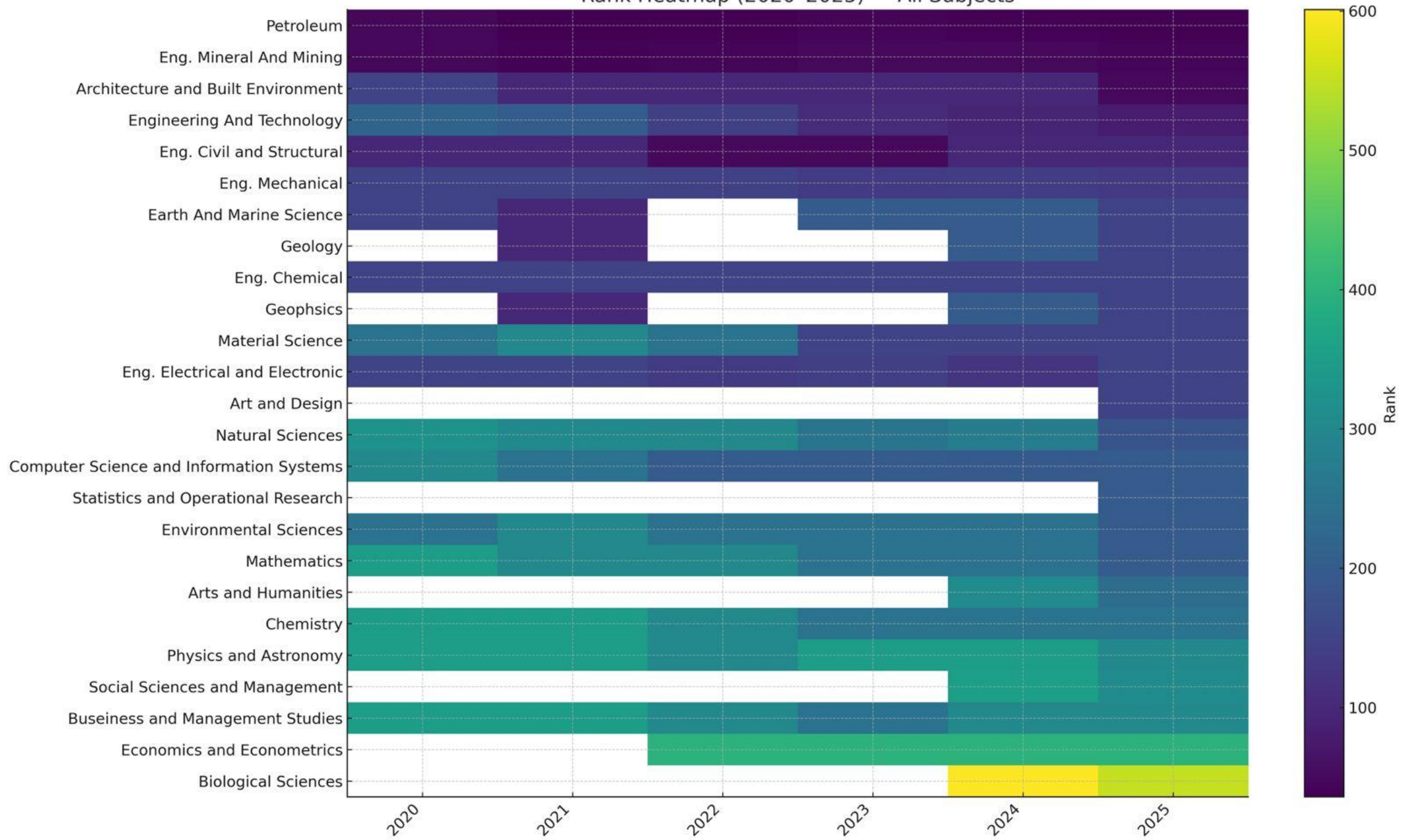

in the world
133rd
MECHANICAL,
AERONAUTICAL AND
MANUFACTURING
ENGINEERING

According to the QS World University Rankings by Subject 2025 Results

itü



Rank Heatmap (2020-2025) — All Subjects





Prof. Dr. Lutfiye Durak Ata
Vice-Rector



Prof. Dr. Serdar Özoğuz
Dean



Prof. Dr. Tufan Kumbasar
Vice-Dean



Assoc. Prof. Dr. Şeyda Serdarasan
Vice-Dean



Harun Elkiran