



T.C. SANAYİ VE
TEKNOLOJİ BAKANLIĞI



TÜBİTAK
BİLGEM

AT THE HEART OF TECHNOLOGY

TÜBİTAK BİLGEM

Artificial Intelligence Institute

Apply AI: GenAI for the public administrations

DIGITAL-2026-AI-09-GENAI-PA

INFORMATICS AND INFORMATION SECURITY ADVANCED TECHNOLOGIES RESEARCH CENTER

TÜBİTAK BİLGEM

The largest research centre in Türkiye
focusing on informatics and information security.



16 Active

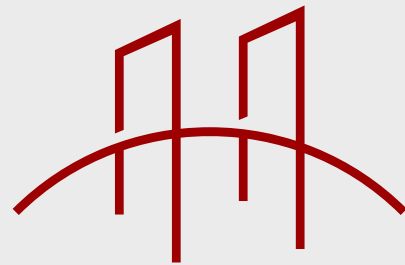
19 Completed
EU Projects

- 9 Horizon Europe
- 2 Digital Europe
- 2 EuroHPC
- 1 EIC Pathfinder
- 1 Eureka
- 1 CHIST-ERA

- Artificial Intelligence & AI-driven systems
- Semiconductors, Chips & Embedded Systems
- High-Performance Computing (HPC)
- Cybersecurity & Secure Digital Infrastructure
- Intelligent mobility, 6G and autonomous technologies

Established in 2020 as a core component of *Türkiye's National Technology Move* to orchestrate the national AI ecosystem in alignment with the National Artificial Intelligence Strategy

Our mission is built on three strategic actions:



BRIDGE

Connect academia and industry to accelerate the transfer of research into tangible societal and economic value.



PIONEER

Lead the development of sustainable, sovereign AI solutions that address national priorities and reduce technological dependency.



CULTIVATE

Foster the next generation of expert researchers and practitioners to build a robust national talent pool in artificial intelligence.

Competence Centres



Competence Centre for Smart Production System



Competence Centre for Smart Agriculture, Food and Livestock Farming



Competence Centre for Finance Technologies



Competence Centre for E-trade Technologies



Competence Centre for Impacts of Climate Change

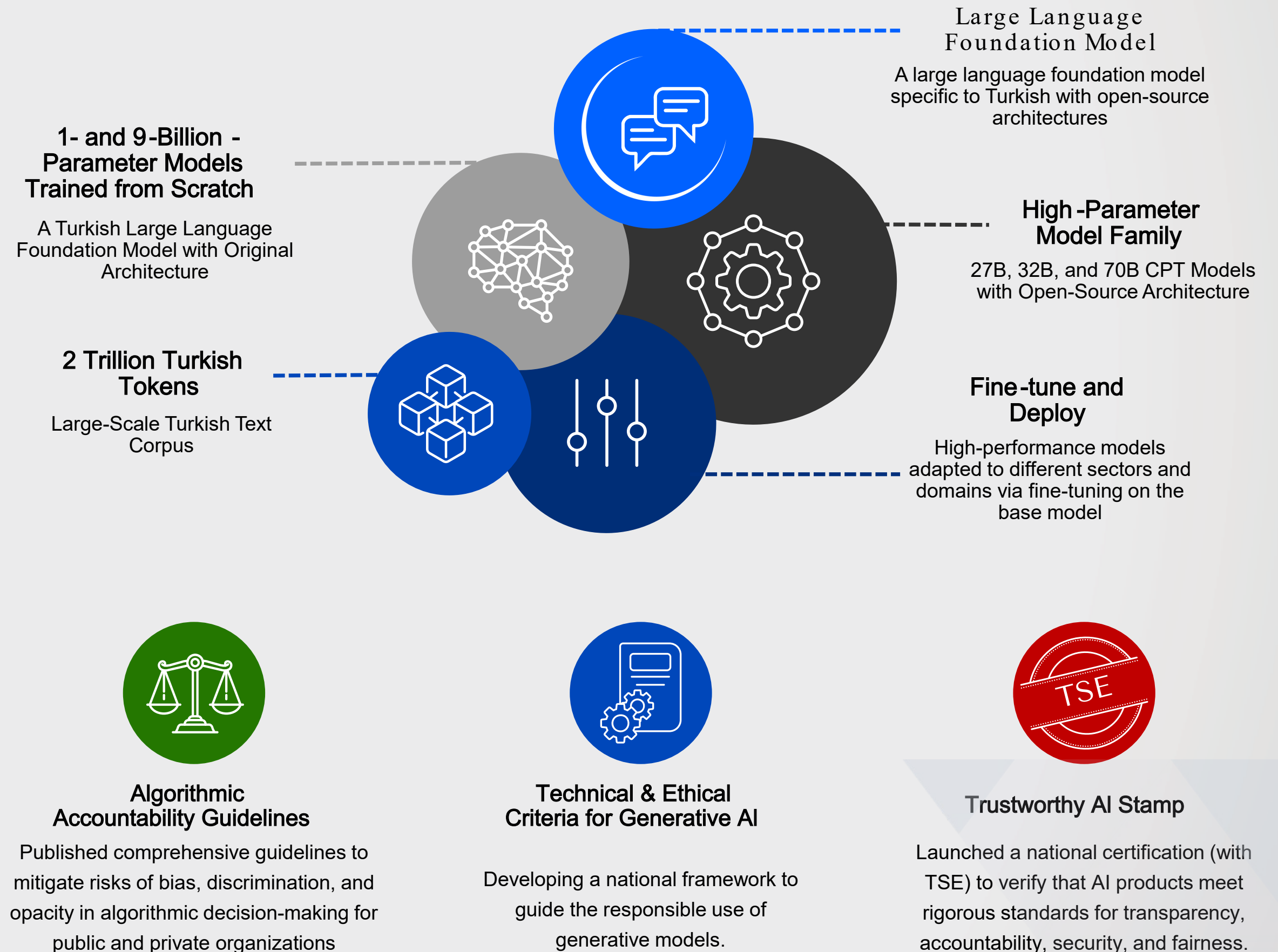


Competence Centre for Smart Education Technologies

A Declaration of Digital Sovereignty

The Turkish Large Language Model

Stakeholder of human-centric AI principles determined by OECD, UNESCO, G20, and EU





Mission-driven R&D calls aligned with national priorities:

- TEYDEB 1711 - AI Ecosystem Call
- KAMAG 1007 - Strategic R&D Call



39 Industry End Users
9 Public Agencies
42 SME
26 Universities

Connecting Turkish Innovation to the European Superhighway

We provide Turkish SMEs and public bodies a gateway to Europe's leading digital innovation and high-performance computing resources.



A "one-stop-shop" offering **"test -before -invest"** services. We help SMEs pilot and de-risk AI solutions before making significant capital investments.

Serving as the **technical core** of the consortium, assessing projects and designing AI implementation roadmaps.



Providing access to the Barcelona Supercomputing Center's **MareNostrum 5** supercomputer for large-scale AI model development.

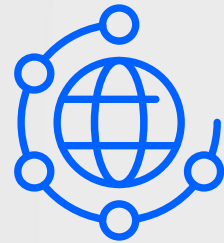
AI Institute is coordinating **"test -before -scale"** opportunities, enabling successful Turkish AI applications to be validated and optimized on a world class European infrastructure.





Scaling & Replication of GenAI Pilots

- Adaptation of solutions to new administrations and domains (LLM family, fine-tuning, secure deployment).
- Starter kits, documentation and best-practice templates.



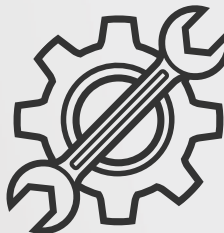
Demand Pooling & Ecosystem Building

- Contribution to common benchmarks and minimum technical requirements.
- Matchmaking between public administrations and European start-ups.



Trustworthy & Responsible AI Expertise

- Certification and auditing experience (Trustworthy AI Stamp).
- Ethical, safe and transparent GenAI implementation frameworks.



Technical & Procurement Support

- Helpdesk for technical, organisational and legal (incl. procurement) issues.
- Peer-to-peer knowledge sharing and targeted training.



Integration with the European AI Landscape

- Strong links with EDIHs, AI-on-Demand, AI Factories and HPC infrastructures.
- Enhancing European visibility and impact of pilot solutions.



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TÜBİTAK

THANK YOU

TUBITAK | SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TÜRKİYE

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