



Harnessing AI for Good: Egypt's Ethical Imperative

Shaping Egypt's Future:
Advancing Responsible
and Ethical AI

10 July 2025



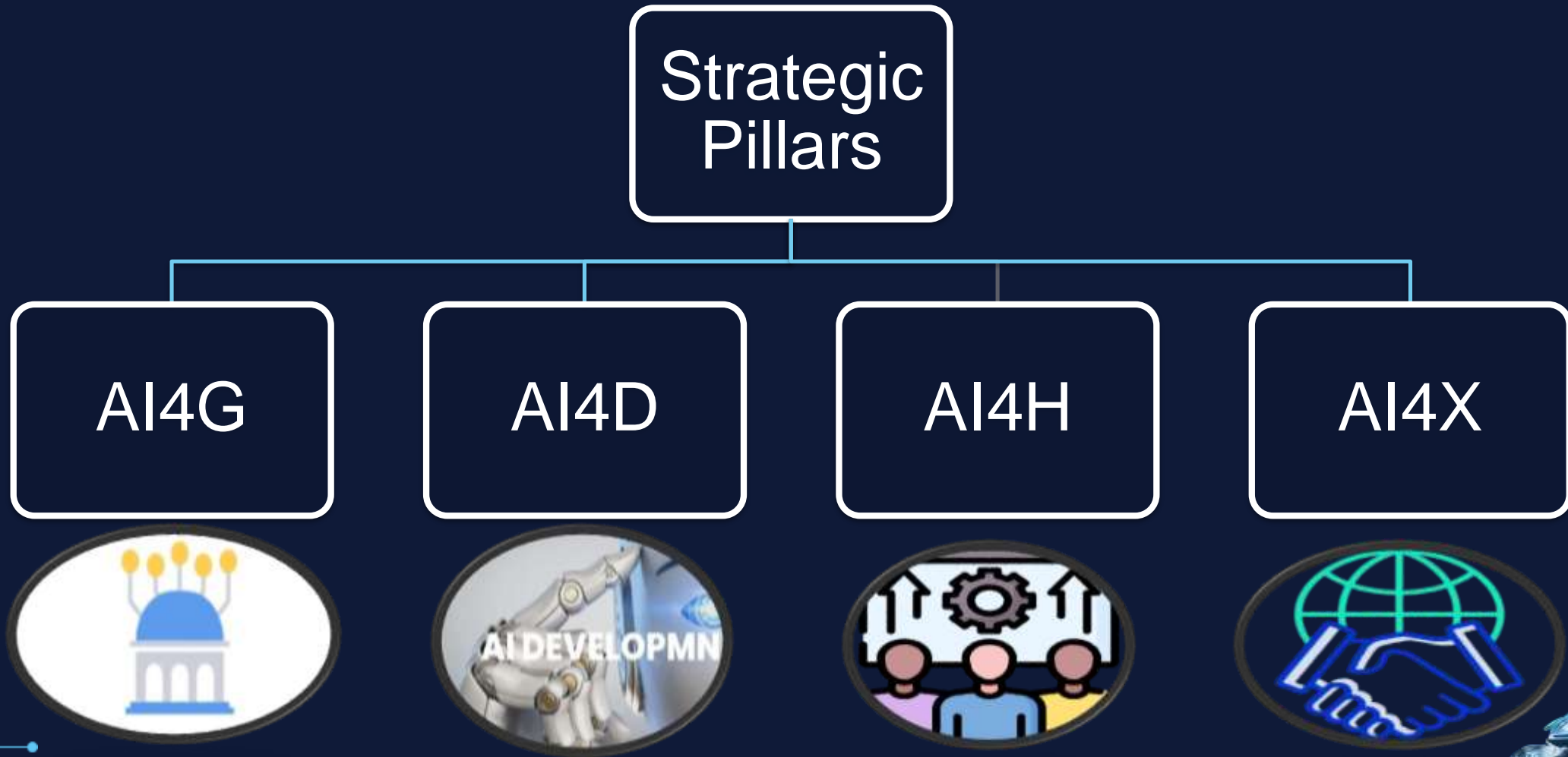


Egypt AI Journey



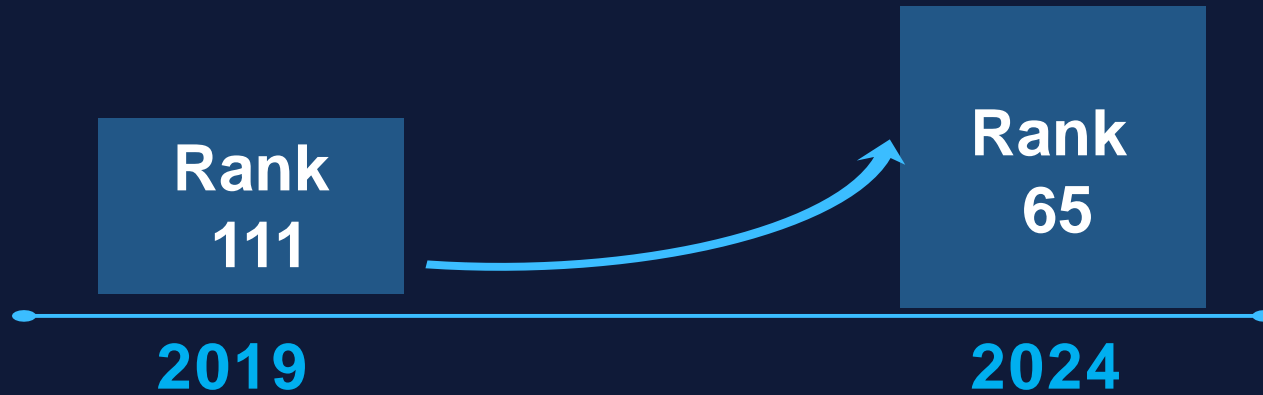


Egypt's National AI Strategy (1st Edition)

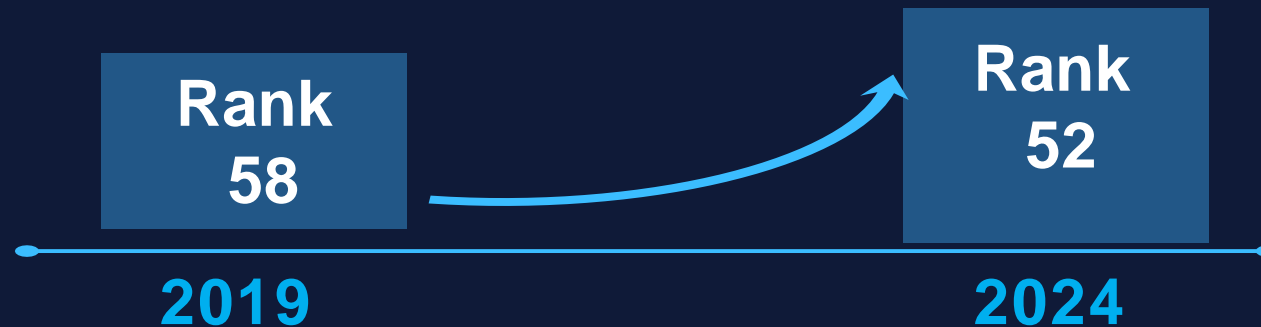




Egypt rises **49 places** in Government AI Readiness Index issued by Oxford Insights



Egypt improved ranking in Tortoise Global AI Index





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National AI Strategy

2nd Edition

January 2025





2nd Edition Strategic Objectives

1

•Ensure ethical and responsible AI use by establishing a comprehensive AI regulatory system

2

•Enhance quality of life and sectoral efficiency through AI applications

3

•Ensure data accessibility and sharing by developing frameworks for national data governance

4

•Build a robust scalable AI infrastructure and cloud services

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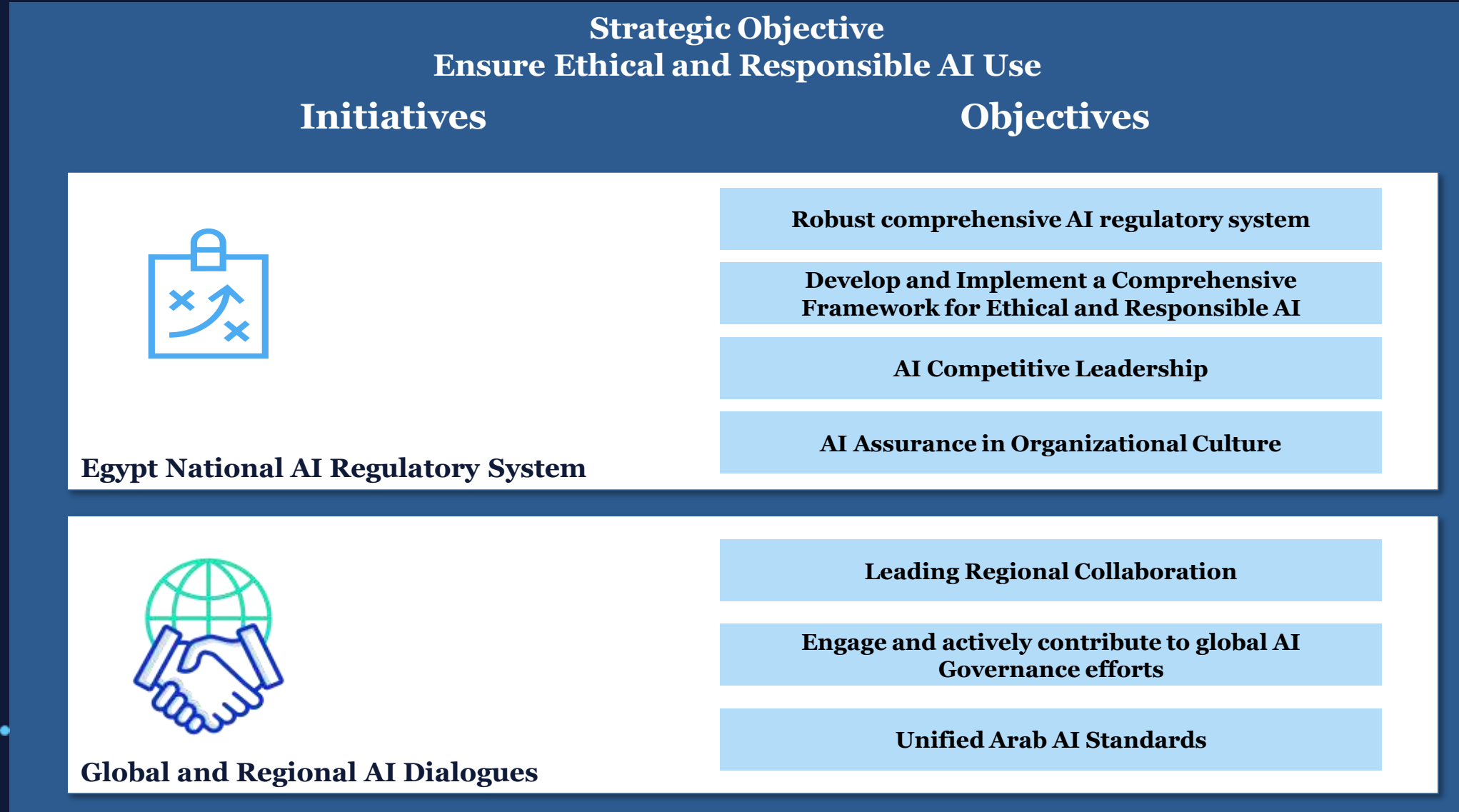
•Create a healthy AI ecosystem by supporting local startups, small and medium enterprises

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•Strengthening the quantity and quality of local AI talents and experts



Strategic Objective 1: Ensure ethical and responsible AI use by establishing a comprehensive AI regulatory system





Designing Policies for Responsible use of AI

Egypt Center for Responsible AI

Implementation of the Egyptian AI Charter

**Egypt AI Act Draft – inspired by the EU
Act**



Center for Responsible AI

Role and Responsibilities towards the public sector & Society

- Develop a framework that includes guidelines, toolkits, methods, and best practices to enable the adoption of responsible AI by the Egyptian industry.
- Develop guidelines and standards for classifying AI system risks, identifying, and assessing AI capabilities of AI actors, and understanding and managing the interconnections between these actors.
- Develop training programs on responsible AI for government officials, industry professionals, and the public, and support initiatives in education and scientific research in the field of AI.
- Build partnerships with stakeholders from industry, academia, and civil society, and facilitate dialogue and cooperation on issues related to responsible AI.

Readiness Assessment Methodology

A Tool of the Recommendation
on the Ethics of Artificial Intelligence



(RAM) Recommendation on the Ethics of AI adopted by
acclamation by 193 Member States of UNESCO, 23 November
2021

METHODOLOGY

Mixed methods (quantitative & qualitative) were used:

- Desk review
- Focus Group Discussion (FGD):
 - ✓ Two multistakeholder consultation meetings
 - ✓ 250 participants
- Individual Interviews
 - ✓ 30 interviews from government entities, the private sector, civil society, academia and research institutions, contributing to diverse insights across RAM dimensions.



Funded by
the European Union



National Stakeholder Consultation on Ethics of AI:

Assessing AI Readiness in Egypt



Governance

Egypt has taken meaningful steps toward establishing a foundation for AI governance:

- **Personal Data Protection** Law
- **Cybercrime** Law
- **Constitutional guarantees** (privacy & info access)
- Partial AI coverage via **existing legal framework**

Key Challenges

- No dedicated **AI legislation**, especially enforceable executive regulations
- Gaps in: AI procurement, Algorithmic accountability, Intergovernmental data sharing
- Not yet in force a law on **data sharing or access to information**

Recommendations:

Adopt a Legislative Roadmap

- **Access to Information Law**
- Executive **Regulation of the Personal Data Protection**
- **Data Sharing Law** Facilitate secure, ethical, and interoperable data exchange between stakeholders.
- **Data Classification Law**
- Introduce **specific provisions for the procurement of AI systems** by public entities to ensure transparency, accountability, and ethical use (No. 182 of 2018).

Scientific/educational

- Scientific and educational dimensions of AI are crucial for transforming knowledge creation and application across various fields. [UNESCO Open Science Recommendation](#).
- Egypt is rapidly **emerging as a center** for research and innovation in Africa and the Middle East.
- The country's education system is evolving to address challenges and align with global standards, particularly **in STEM areas**, to better prepare students to join the future workforce.
- By focusing on research, **curriculum** development, ethics, and collaboration, educational institutions can empower students to become leaders in AI, equipping them to tackle complex challenges and contribute to societal progress.



Scientific/educational (Con.)

- Egypt has the largest pre-university education system in the Middle East and North Africa region, **with over 25 million students**.
- More than half the students are in primary education, and another 23 percent are in preparatory, reflecting a nearly universal net enrollment rate (Egypt Economic Monitor, December 2022).
- The Egyptian government places high priority on education through the constitutional provision for compulsory and free basic education and government spending for pre-university education – no less than 4% of the gross domestic product (GDP).
- In terms of research output, Egypt's research output has been improving in recent years.

Recommendations:

- Build a robust Scalable AI Infrastructure
- Enhance Research Infrastructure: Invest in **cutting-edge laboratories** and research facilities
- **Enhance Collaboration among Egyptian ministries** and stakeholders to implement the NAIS
- Promote **STEM Education**
- Promote **Interdisciplinary Collaboration** with a wide range of AI ecosystem actors

- 11 Science and Technology Hubs the highest in Africa, Egypt has achieved a notable advancement in scientific contributions.
- 480+ companies in AI
- Egypt makes Electronics and CreATIVA centers are crucial in enhancing digital skills and promoting innovation in the private sector.
- Egypt is making notable advancement in adoption of AI backed by investments in infrastructure , talents development and innovation ecosystem.
- Brain drain: Egypt is 5th globally in AI-skill immigration; many trained specialists seek higher pay abroad.

Recommendations:

- **Support startups** by expanding access to global investment opportunities. Enhancing global market entry and customer access will accelerate AI adoption among local startups.
- **Promote dynamic skill development and lifelong learning** by investing in **skill sets rather than specific roles**, which may become obsolete due to technological advancements.
- **Increase capacity-building efforts in rural areas** to reduce the digital divide and invest in human capital to amplify workers' capabilities in the AI era.
- **Foster cross-sector collaboration** among government, the private sector, and academic institutions. Establish frameworks for **joint AI projects targeting national development goals** in sectors like healthcare, agriculture, and environmental sustainability.



More on the UNESCO Recommendation
on the Ethics of AI:

<https://en.unesco.org/artificial-intelligence/ethics>

at
CREATIVA THANKS !





Thank You

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