# Education, Research, and Innovation: Paving the Way for One Africa's Future

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Minister of Higher Education and Scientific Research, Egypt



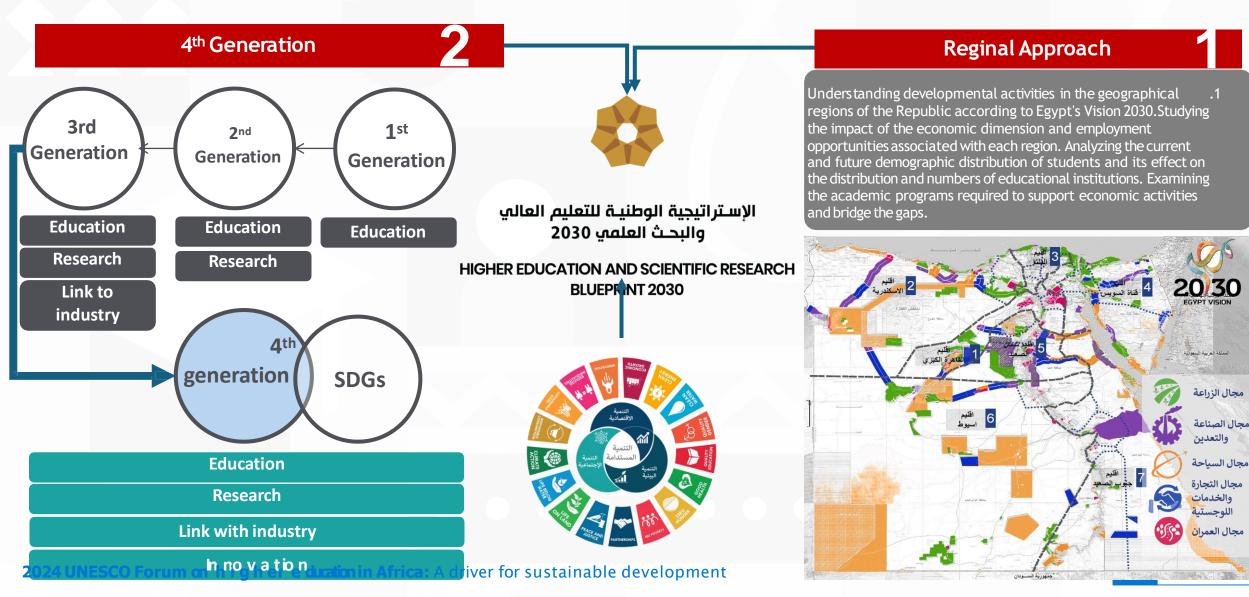




# **Egyptian Higher Education and Scientific Research**



**Strategy** 

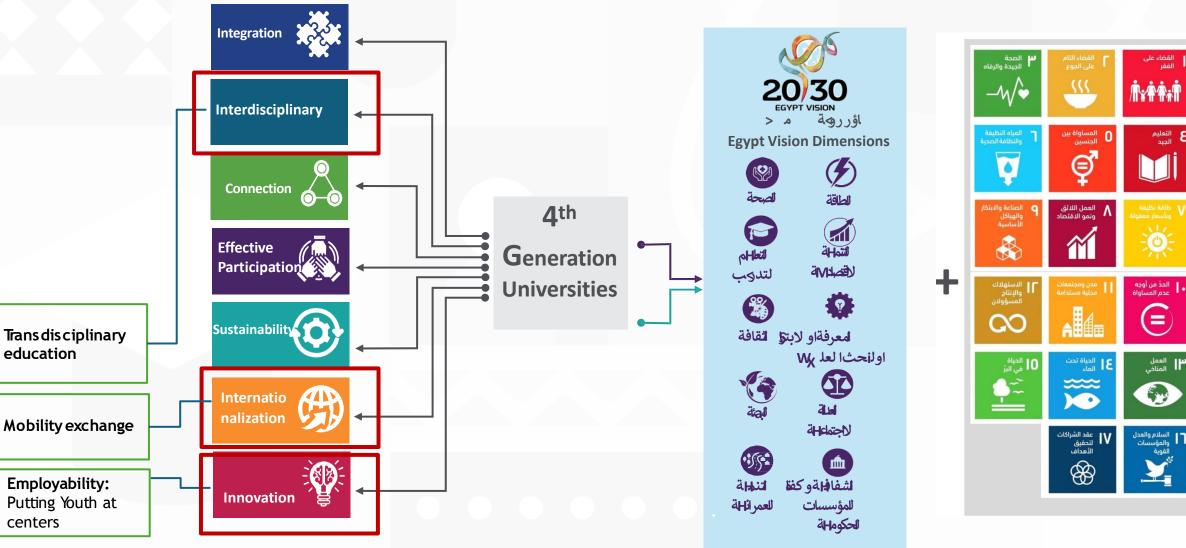




# Egyptian Higher Education and Scientific Research



Strategy







### Actions for Research, Development and Innovation



#### Internationalization

- 1. Through EKB international
- 2. African Students in Egypt
- 3. Cooperation with African institutions

**Trans dis ciplinary** education through key labour market, skills and knowledge needs through:

- Smart HE institutes
- Empower higher education students to be market ready through digital tools
- Capacity building for information technology personnel
- Research and innovation support through digital transformation

Mobility exchange: Putting youth and early career researchers at center of our HE through:

1. We organize computations for university youth



# Key Activities in Egyptian Higher Education that support research, development and innovation (RDI)

Egyptian Knowledge Bank and Digital Transformation





- 1. Total number of subscribed journals: 7000+
- 2. Total number of eBooks: 250,000+
- 3. Total number of thesis: 1,400,000+
- 4. Creation and mapping of learning objects for schools' students: 29,000 +
- 5. Annual professional services activity: 1000+.
- 6. Types of digital resources in multiple languages for Basic Education students from Kindergarten to Secondary Stage: **28,000**











# Publishing Support Egyptian Journals Portal

Egypt's Gift to the World An Online Library Worthy of Egyptian Research

Journals Arabic Journals English Journals 1007 475 532





raq 3,790.574

Egypt Saudi Arabia 24,517,753 76,147,742

Saudi Arabia



Ranking the countries most engaged with the research published by Egyptian journals.

Algeria

5,097,289

**United States** 16,257,014

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				SIWIT			USINEWWS				CWTS Meaningful metrics	
QS W Ran		-	Arab king	THE Ra	anking	US N	lews	Shan	ghai	Lei	den	
2017	2025	2016	2024	2016	2024	2019	2023	2016	2024	2018	2023	
5 Uni	15 Uni	15 Uni	36 Uni	3 Uni	46 Uni	14	19 Uni+ 8 listed	5	8 Uni	5	13 Uni	







Showcasing the pioneering experience of the Egyptian Knowledge Bank during its participation in the 'Digital Learning Week 2024' conference in Paris.



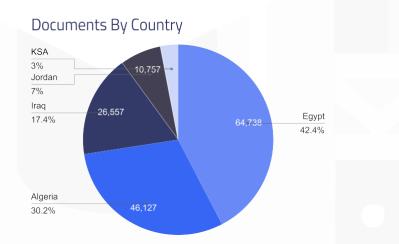


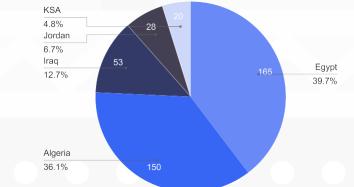


**Arabic Citation Index** 



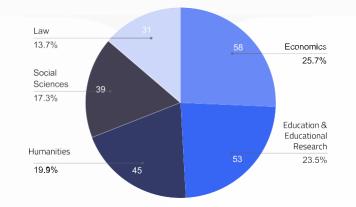
The Arabic Citation Index (ARCI), a new database on the Web of Science platform, makes Arabic journals more accessible to researchers worldwide by connecting Arabic scholarly content to the global citation network of high quality, peer-reviewed scholarly literature with more than 1.8 billion cited research references.





Journals By Country

#### Journals By Subject Areas





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UNESCO/UNICEFGateways Study visitCairo, Egypt

#### In-person event

The Prime Minister of Egypt opened the study visit to Egypt on 14 May.

The three-day event convened government representatives from 23 countries across all regions of the world, to exchange best practices and lessons learned in establishing public digital learning platforms.





#### Egyptian Knowledge Bank Capacity Building



#### Researchers Academy - National Upskill Program



# Key Activities in Egyptian Higher Education that support research, development and innovation (RDI)

Egypt's Collaboration with African Institutions



# **Egypt's Collaboration with African Institutions**



We have collaborated with various entities to strengthen cooperation across the African continent.





# **Egypt's Collaboration with African Institutions**



# Empowering Regional Development with EKB+

EKB+: BridgingKnowledgeGapsAcrossBorders

#### Network of African Science Academies:

 Alignment meeting with Network of African Science Academies (Cairo - August 2024) including active discussions towards their participation in EKB.

#### SADC Collaboration on The Horizon:

 Received delegation from Southern African Development Community (SADC) in Egypt. Discussed mechanisms to leverage EKB for higher education and scientific research cooperation "work in progress."









# Key Activities in Egyptian Higher Education that support research, development and innovation (RDI)

African Students in Egypt



Students from African countries studying in Egypt



• 120,000 international students from various 123 countries are studying in Egypt, 43,824 of them are from 39 African countries



International Students in Egypt

Scholarships Offered To International Students



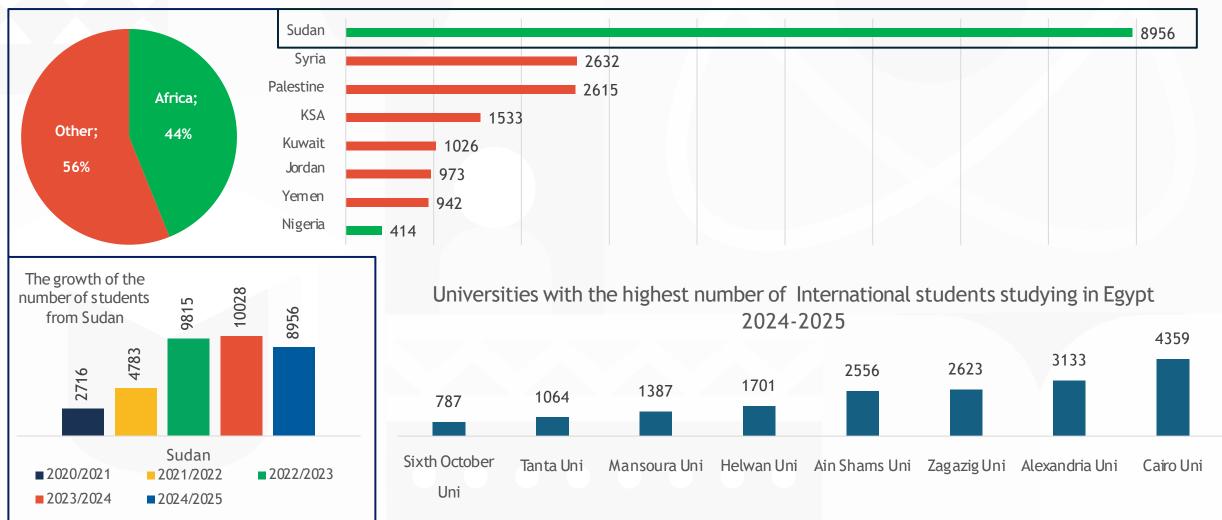


**General Statistics** 



International Students in Egypt

The countries with the highest number of students studying in Egypt 2024-2025





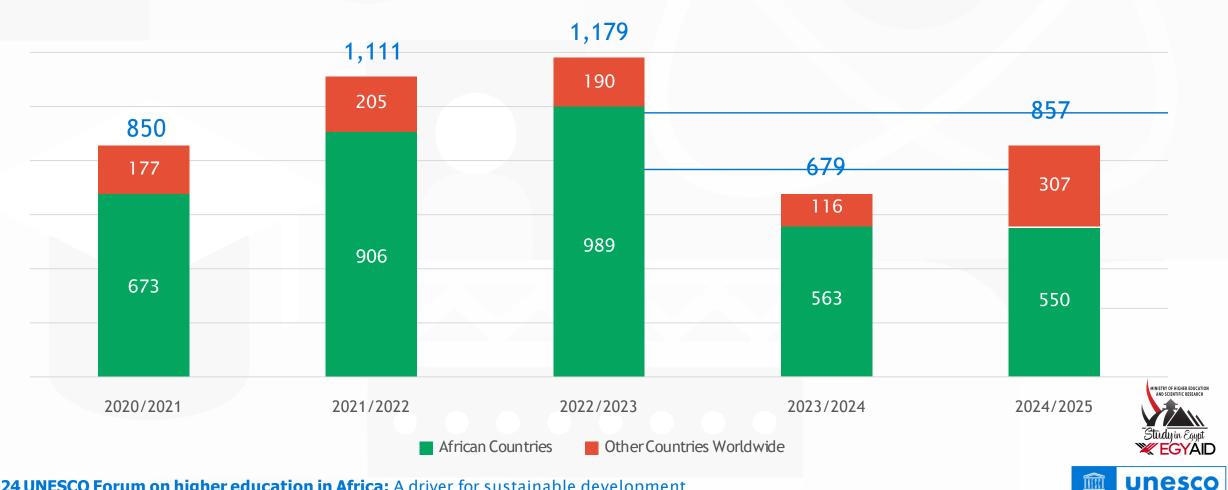


Egyptian Scholarships to African Students throughout the years



including

the Egyptian government provided 857 EGYAID scholarships to various countries worldwide, • 570 scholarships for African countries in the academic year 2024/2025.



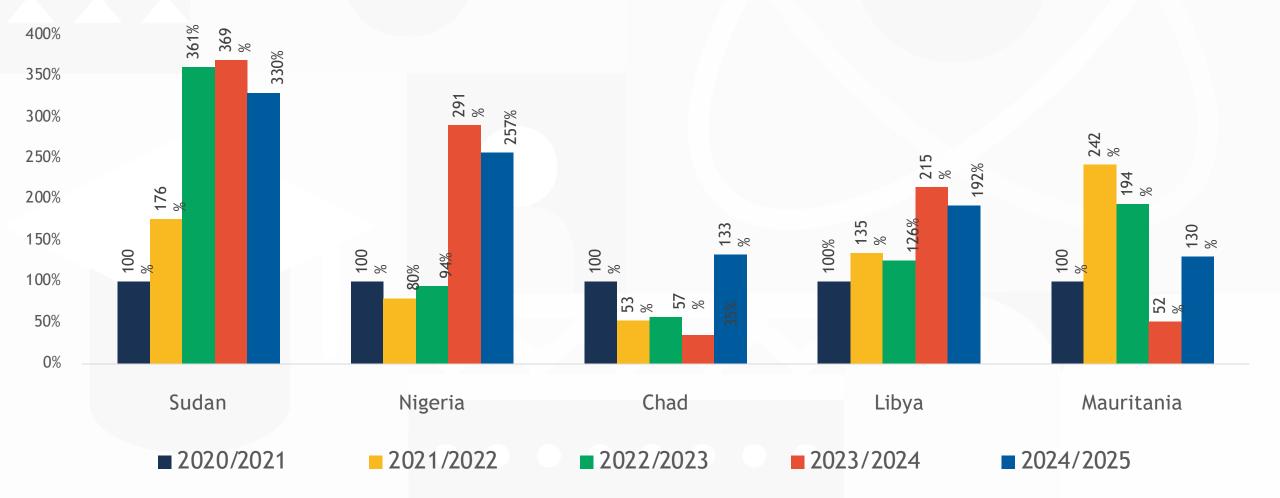


#### General Statistics



The growth of the number of the largest African countries studying in Egypt

Percentages are relative to numbers of students enrolled in the academic year 2020/2021







EGYAID Initiative hosting students from African countries and all over the world

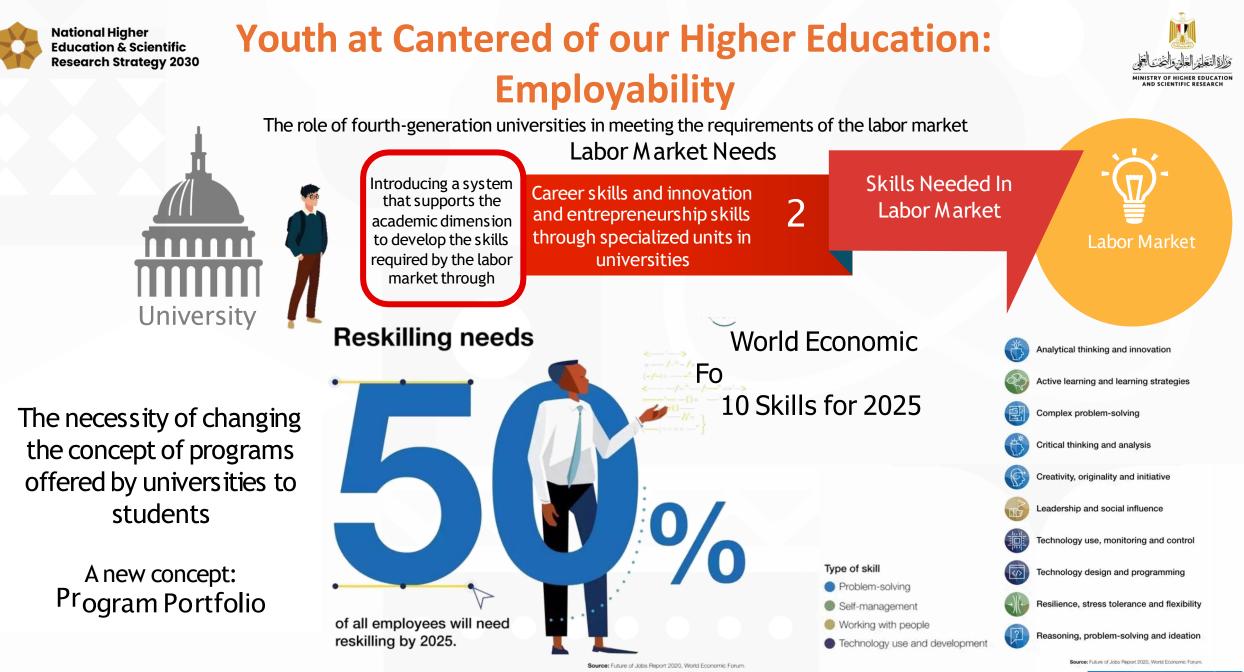






# Key Activities in Egyptian Higher Education that support research, development and innovation (RDI)

Youth at Cantered of our Higher Education

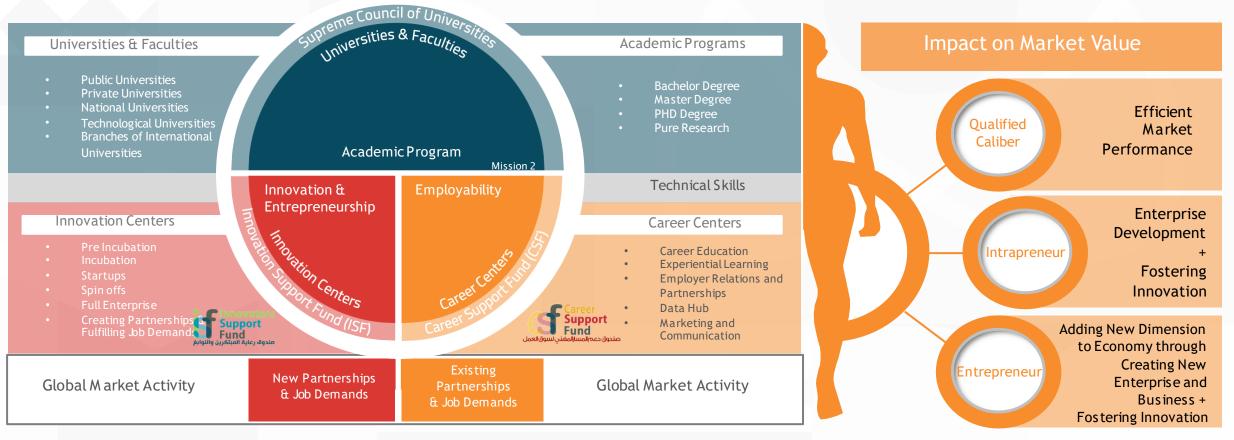


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The need for a new ecosystem of program portfolios in higher education that includes the career path



A new ecosystem in higher education and scientific research that combines the academic aspect, professional skills,

innovation, and entrepreneurship, called the

**Program Portfolio** 

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National Higher Education & Scientific Research Strategy 2030





# Youth at Cantered of our Higher Education: Employability





Two Parallel & Integrated Tracks

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Dynamic progam



# Youth at Cantered of our Higher Education: African Young Researchers Awards



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#### **African Young Researchers Awards**

ASRT annually grants three awards to young scientists from the African continent (excluding Egyptians)



USD or its equivalent in local currency



Year	2014	2015	2016	2017	2018	2019	2020	Total
African Young Scientists	0	3	3	3	3	2	2	16

# Key Activities in Egyptian Higher Education that support research, development and innovation (RDI)

Innovation





# Egypt Rank as per #publications from 2019 to Sep 25, 2024

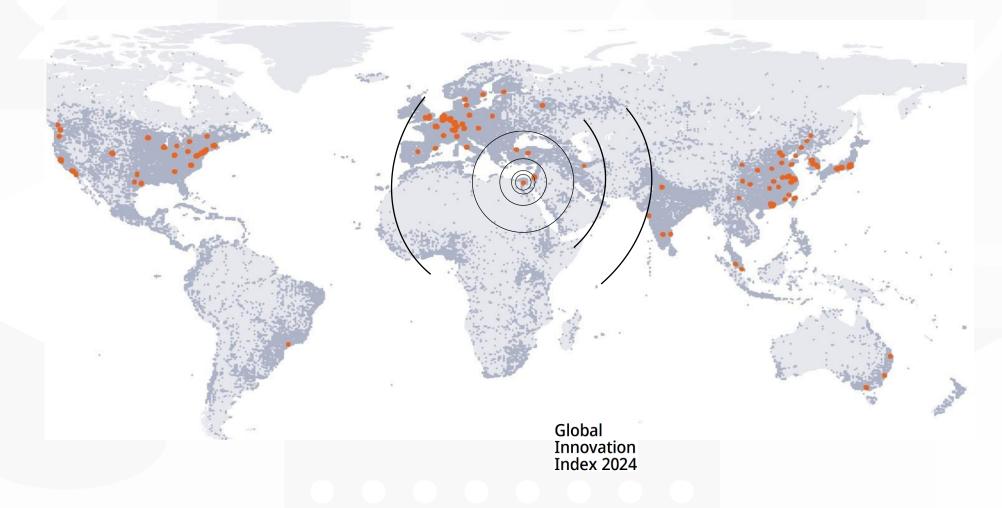
Countr		<b>#Publica</b>	<b>#Researc</b>	<b>#Citations</b>	
1. Ch <mark>y</mark> ha		5,468, <b>đions</b>	6,239 <b>,<mark>bers</mark></b>	56,650,825	
2. United	States	4,306,981 🔺	3,149,544 🔺	49,571,157	
3. India		1,528,788 🔺	1,280,210 🔺	10,877,602	
4. United	Kingdom	1,402,187 🔺	785,321 🔺	18,251,924	
5. Germar	ny	1,177,434 🔺	739,854 🔺	13,652,327	
24. Malaysia	a	249,361 🔺	192,119 🔺	2,365,506	
25. Belgium	1	235,853 🔺	121,176 🔺	3,375,351	
26. Egypt		219,060 🔺	152,425 🔺	2,394,708	
27. Pakistar	1	209,766 🔺	167,473 🔺	2,507,965	
28. Portuga	I	208,339 🔺	126,832 🔺	2,246,977	
29. Denmar	·k	202,225 🔺	96,115 🔺	3,153,392	
30. South A	frica	194,962 🔺	93,772 🔺	1,994,222	

#### **Scopus**









Greater Cairo among the top 100 worldwide STI hubs









#### Egypt has 11 STI hubs out of 50 STI hubs in Africa



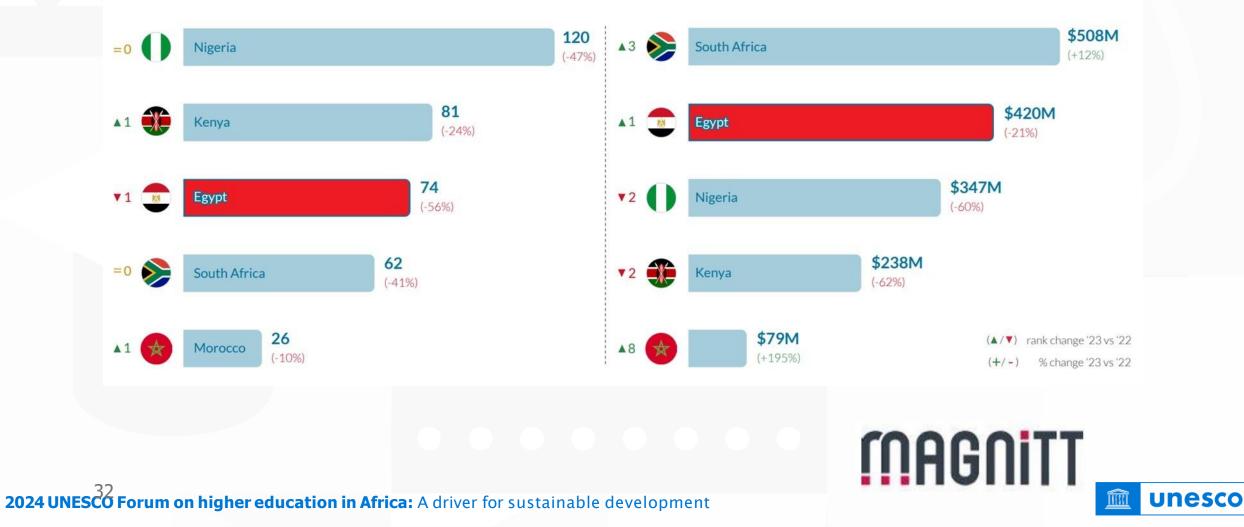




#### Egypt Startup Scene

Top countries by number of deals (#) in Africa in 2023

Top countries by total funding (\$) in Africa in 2023



# Key Activities in Egyptian Higher Education that support research, development and innovation (RDI)

Building the African Belt Through Collaboration Among African Nations



#### **Building the African Belt Through Collaboration Among African Nations**



#### Together, we can cooperate in ...

 $\mathbf{01}$ 

Cooperation in Higher Education:

- 1. African accreditation bodies
- 2. Establishing dual degree programmes and branch campuses

- **03** Students' and faculty's mobility
- through training a number of African students specially in the field of epidemic diseases and GIS and blue economy.

04

#### Invite more countries to:

- join the EKB initiative and open science initiative and
- 2. Constructing rank for African universities
- 3. Indexing more Arabic publicans and French

- **Cooperation in** RDI:
- 1. Biodiversity strategy of Africa
- 2. Combating insect vectors





#### Building the African Belt Through Collaboration Among African Nations



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#### Areas we can work together



#### **EKB** international

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- 1. Latin America & The Caribbean Rankings
- 2. Europe University Rankings
- 3. Arab Region University Rankings
- 1. Asia Rankings
- 2. Sub-Saharan Africa
- 3. Arab\_Rankings

### A rank for African universities is missing from all ranking bodies

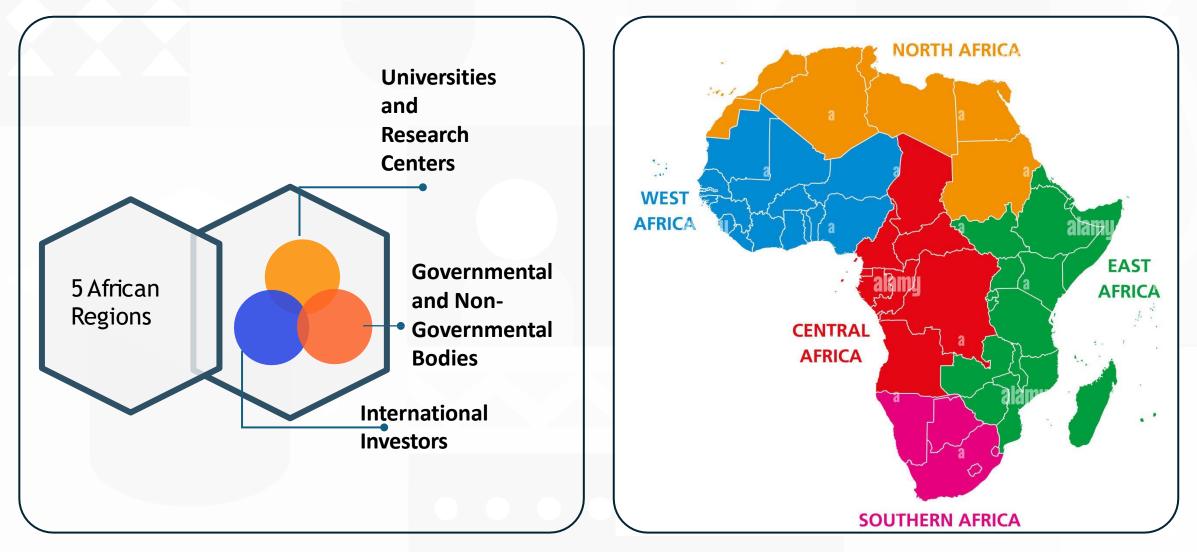
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#### Building the African Belt Through Collaboration Among African Nations









### Ministry of Higher Education and Scientific Research Egypt

