

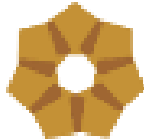


**National Strategy for Higher Education and Scientific Research 2030:
National Policy for Sustainable Innovation**



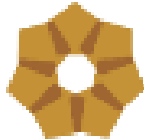
2025





Policy Structure





Policy Vision, Mission, and Strategic Directions

Vision

**Transforming Egypt to Sustainable
Innovative Knowledge Society**

Mission

**Employing innovation to create value and enhance sustainability in all production and service sectors,
enhancing quality of life, inclusive growth, and Egypt's competitiveness regionally and globally**

Strategic Directions

Develop domestic and foreign financing alternatives to support innovation and recent trends as green innovation

Developing infrastructure and support systems to promote innovation in the production sectors and society

Developing research and innovation human resources

Updating the mission of HEIs to enhance their role as a key driver of the innovation and sustainable development

Developing the Higher Education and Scientific Research System in Egypt

Developing an integrated system for the governance of innovation policy, and for performance and developmental impact evaluation of the National Innovation System

Provide appropriate frameworks for the governance and deployment of emerging technologies in the economy and society

Promoting scientific culture and a culture of innovation and entrepreneurship in society in cooperation with the media

Creating a national business environment to stimulate innovation and localization of technology

Enhancing the contribution of innovation in the development of production and service sectors



National Policy for Sustainable Innovation 2030

Vision

Transforming Egypt to Sustainable
Innovative Knowledge Society

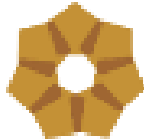
Mission

Employing innovation to create value and enhance sustainability in all production and service sectors,
enhancing quality of life, inclusive growth, and Egypt's competitiveness regionally and globally

Policies

Programs & Initiatives

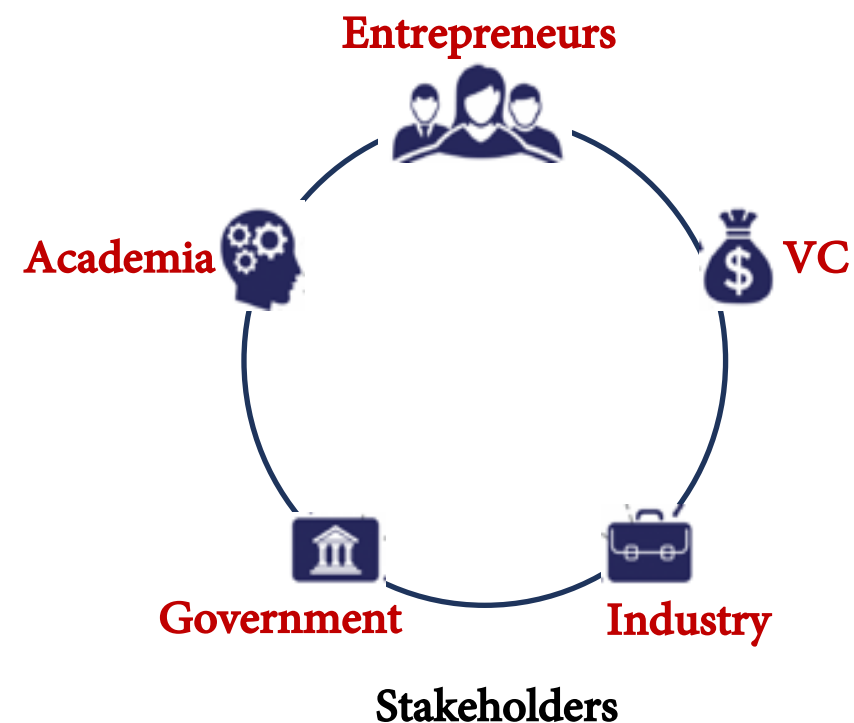
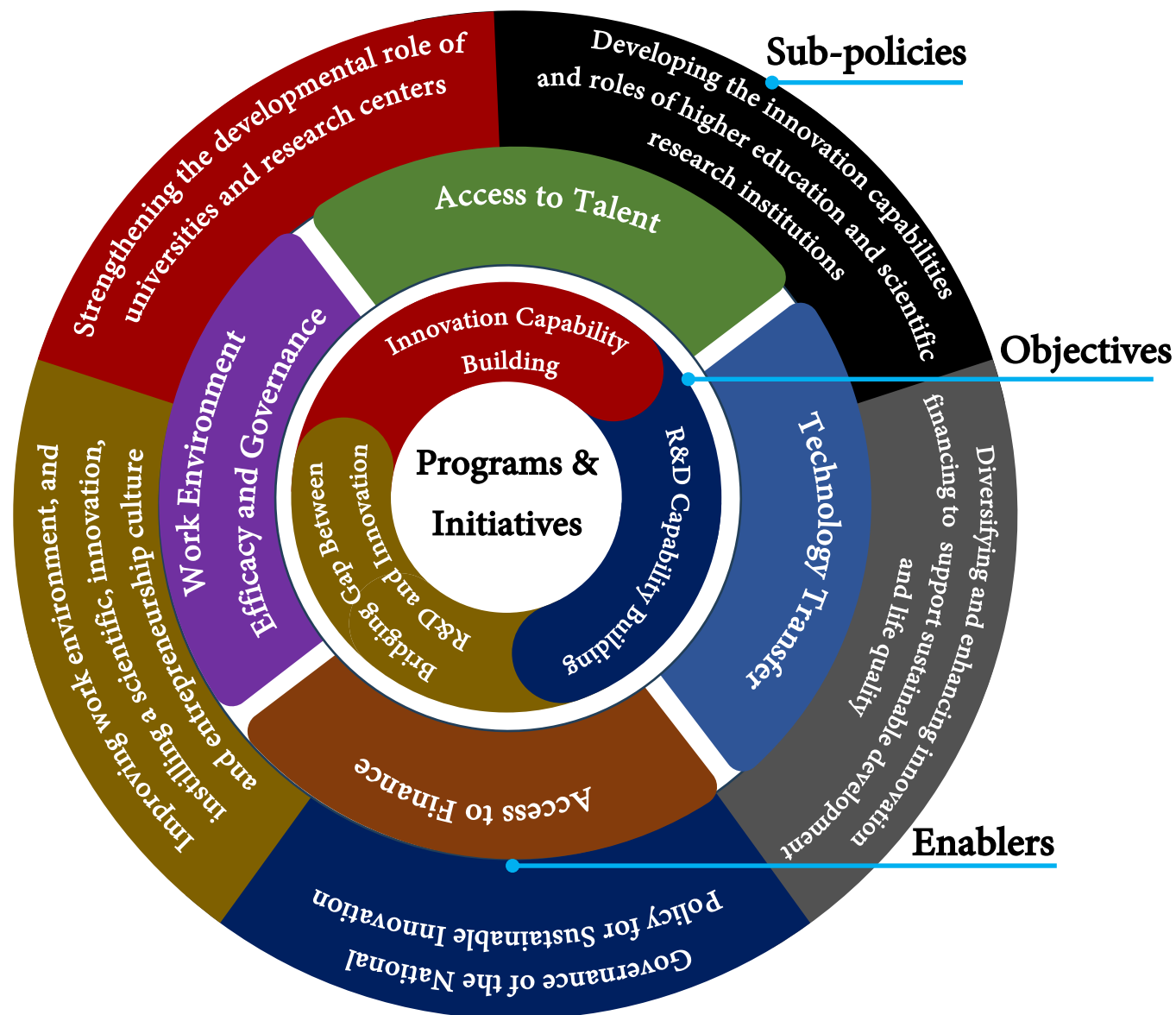
Governance of the National Policy for Sustainable Innovation	Improving work environment, and instilling a scientific, innovation, and entrepreneurship culture	Diversifying and enhancing innovation financing to support sustainable dev and life quality	Strengthening the developmental role of HEIs	Developing the innovation capabilities and roles of HEIs
Develop and publish an innovation index	Teach entrepreneurship through interactive, practical methods	Establishing a national fund to invest in venture funds	Program to enhance role of tech alliances in sustainable development	Develop university admission policies to enhance STEM appeal
Establish mechanisms for selecting and auditing executive leaders	Support researchers' devotion to innovative work	Incentive program for innovative companies	Program to promote startups and spinoffs	Establish an institutional framework for innovation activities
Establish the National Council for Edu, Research, and Innovation	Program for disseminating and honoring innovation successes	Program for financing partnerships between HEIs and tech companies	Participation of HEIs in development strategies	Reform scientific scholarship system for overseas study
Activate the Egyptian Observatory for Science, Tech, and Innovation	Program for promoting scientific, i&e culture and practices in society	Program for financing IP and tech acquisition and transfer from abroad	Market services and outcomes of research institutions	Support industrial internship programs
	Develop legislation and regulations of innov and emerging technologies	Program for financing green innovations	Program for technology transfer and deepening industrialization	Develop mechanisms for registering IPR
			Promoting digital transformation and AI in HEIs	Program to enhance contribution of Egyptian expats
				Program for human resource development in R&D

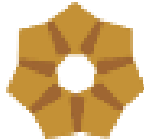


Sub-policies, Enablers, Objectives, & Stakeholders

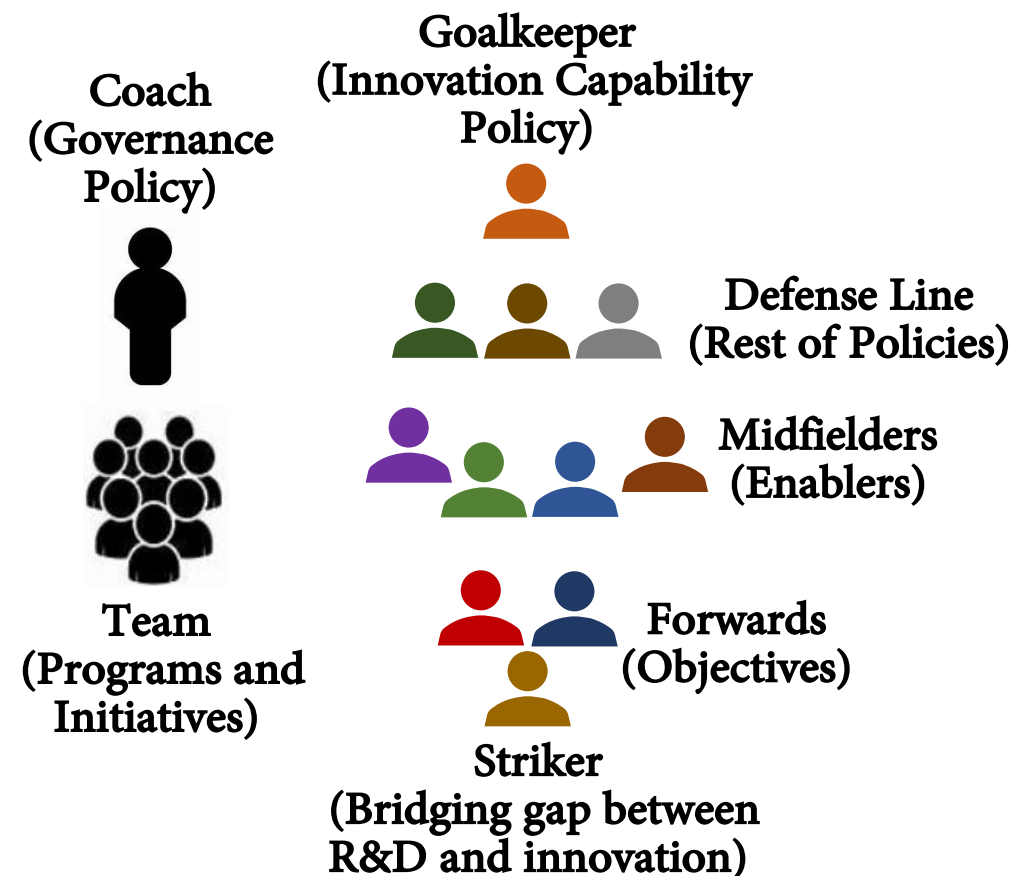
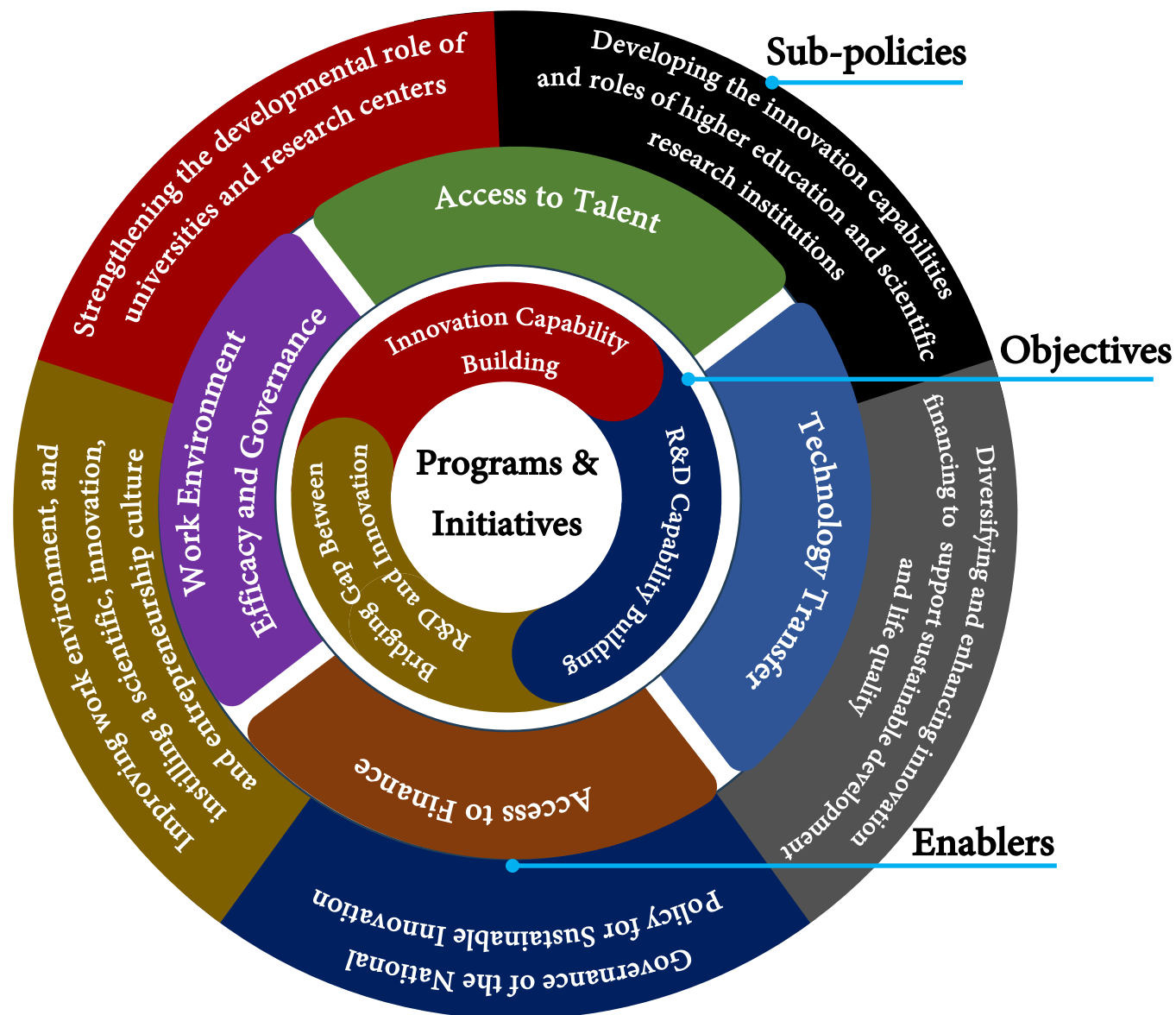


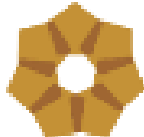
وزارة التعليم العالي والبحث العلمي
MINISTRY OF HIGHER EDUCATION
AND SCIENTIFIC RESEARCH



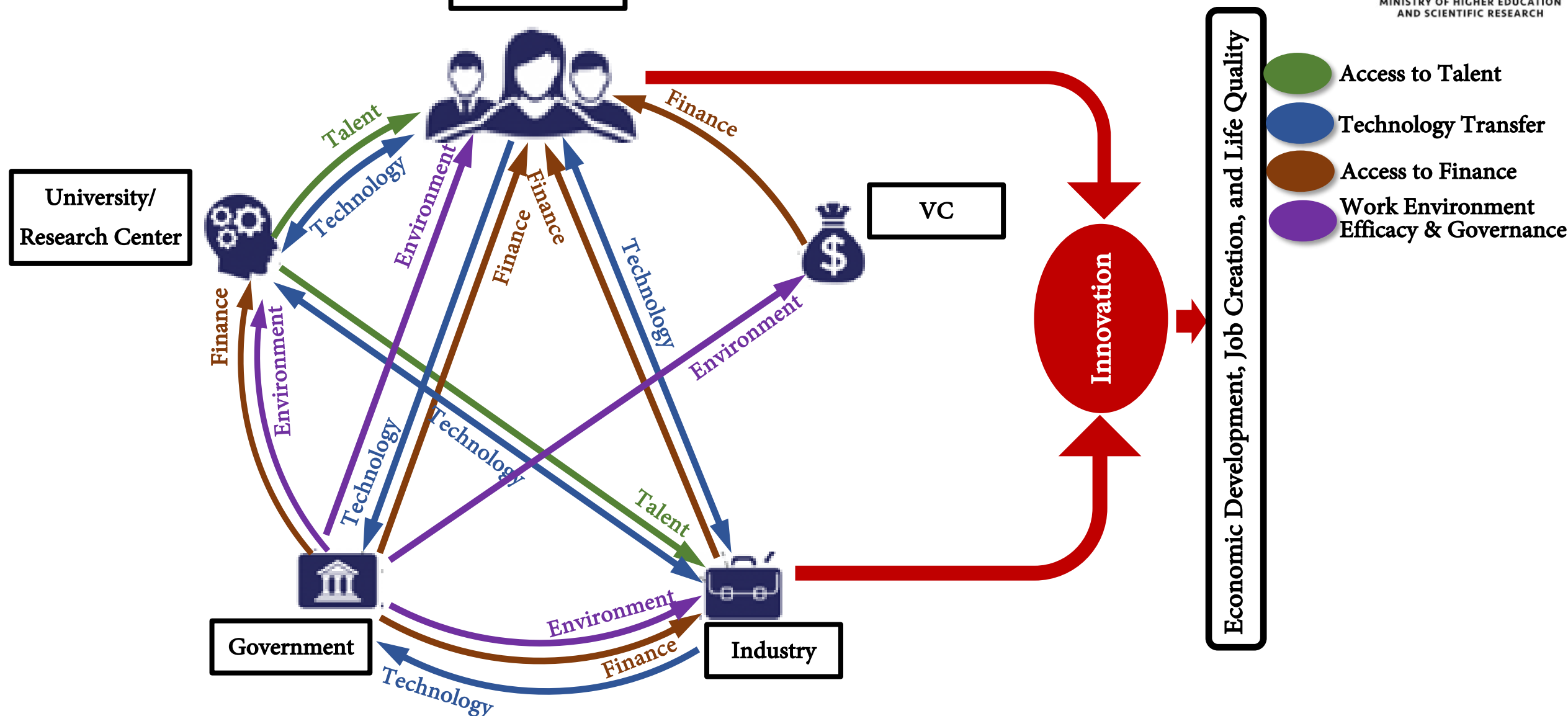


Soccer Team Resemblance





Policy Enablers





Policy Enablers

Policy I

Developing the innovation capabilities and roles of higher education and scientific research institutions

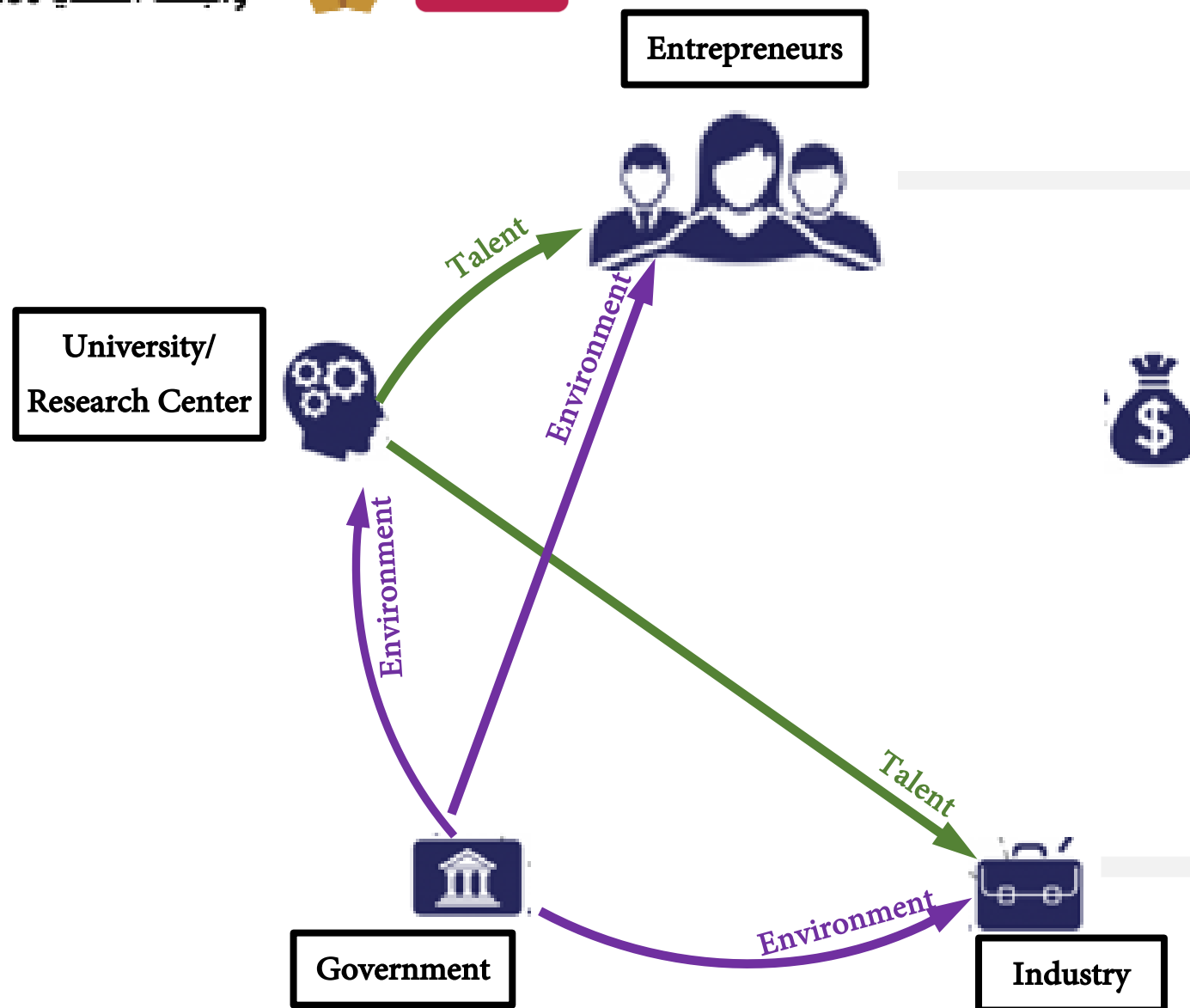
**Focusing on
Access to Talent**

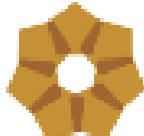
VC

-  Access to Talent
-  Technology Transfer
-  Access to Finance
-  Work Environment
Efficacy & Governance

Programs & Initiatives

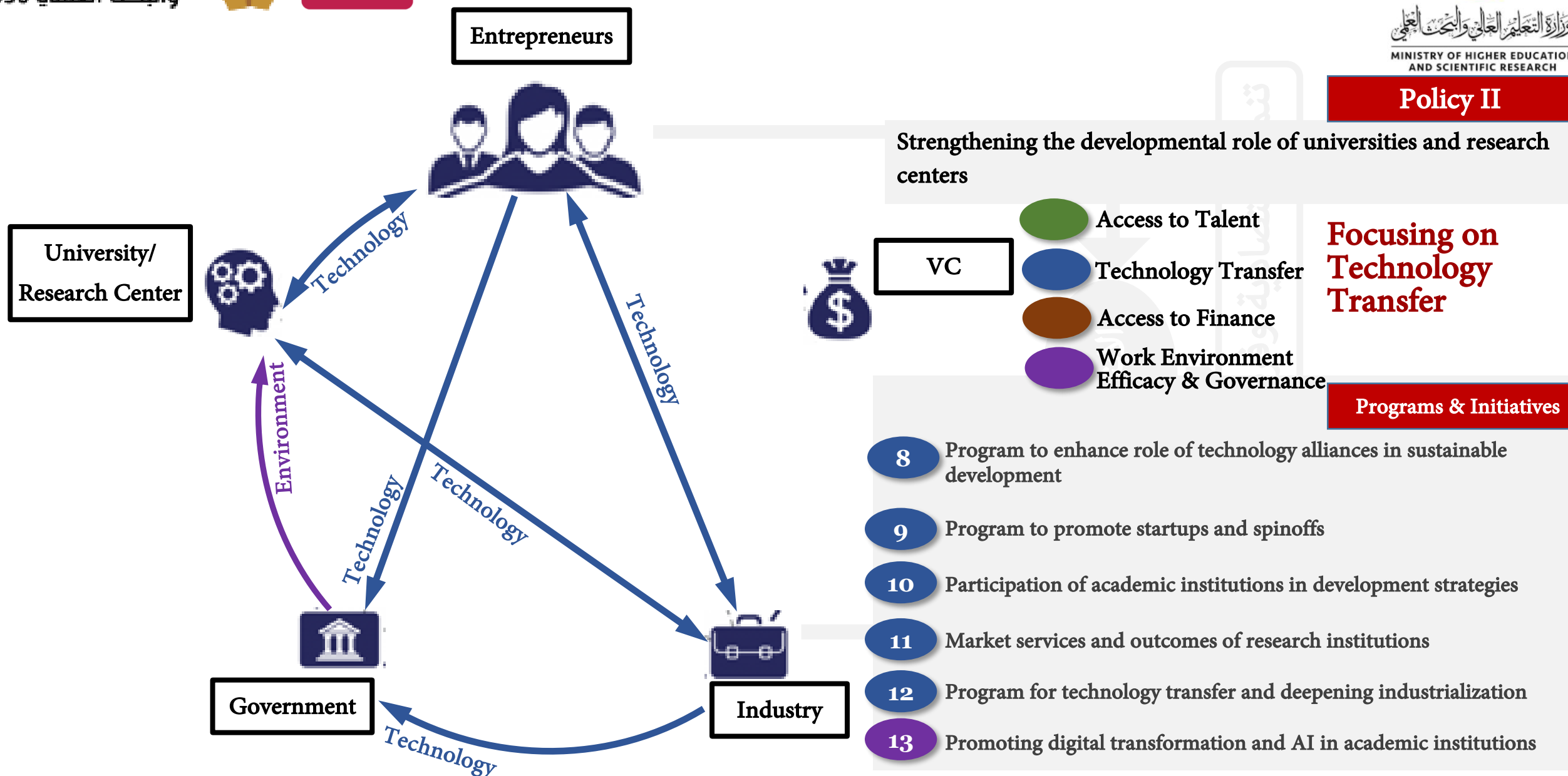
- 1 Develop university admission policies to enhance STEM appeal
- 2 Establish an institutional framework for innovation activities
- 3 Reform scientific scholarship system for overseas study
- 4 Support industrial internship programs
- 5 Develop mechanisms for registering IPR
- 6 Program to enhance contribution of Egyptian expats
- 7 Program for human resource development in R&D





Policy Enablers

Policy II





Policy Enablers

Policy III

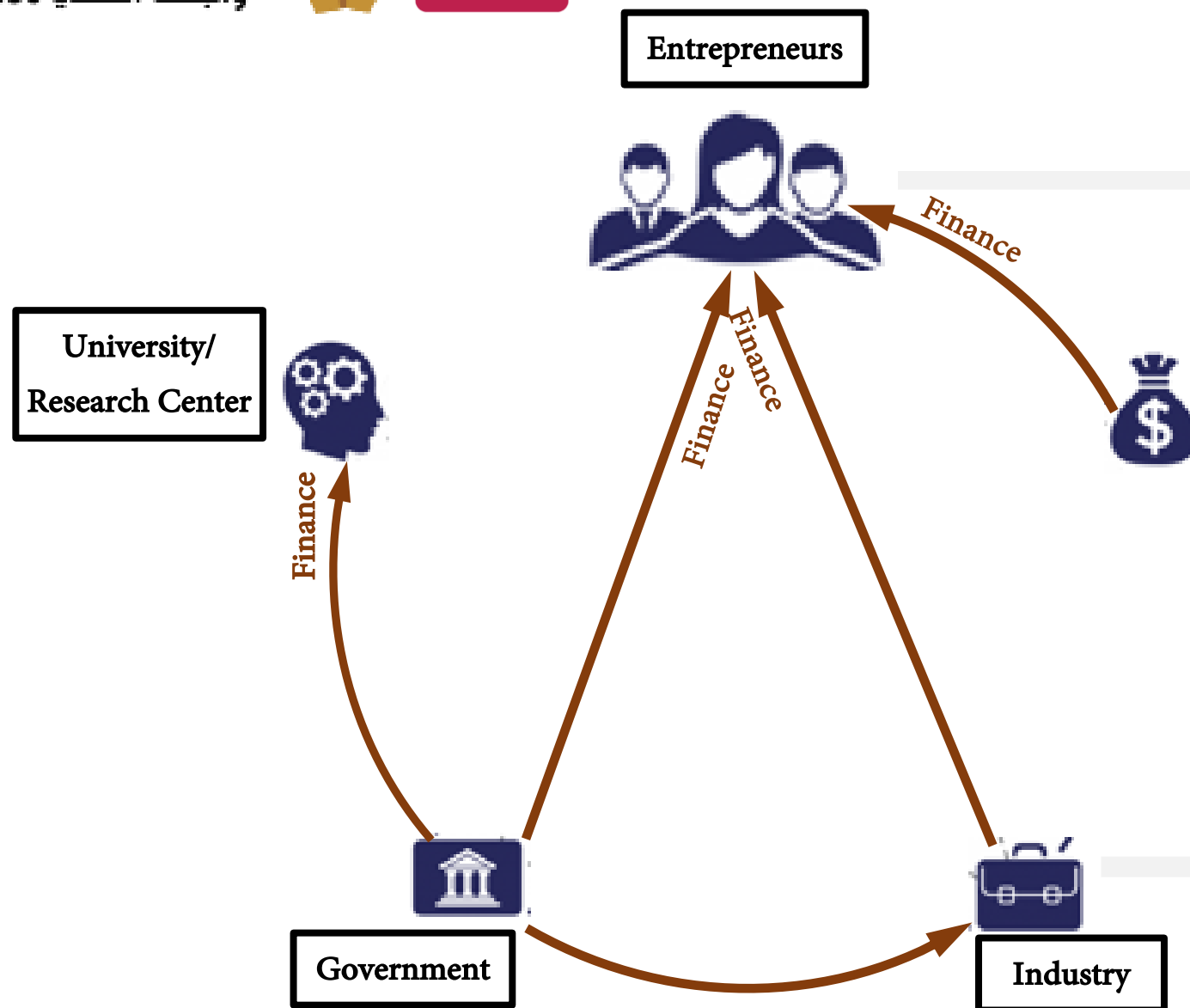
Diversifying and enhancing innovation financing to support sustainable development and life quality

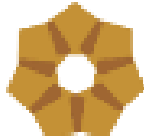
**Focusing on
Access to Finance**

-  Access to Talent
-  Technology Transfer
-  Access to Finance
-  Work Environment
Efficacy & Governance

Programs & Initiatives

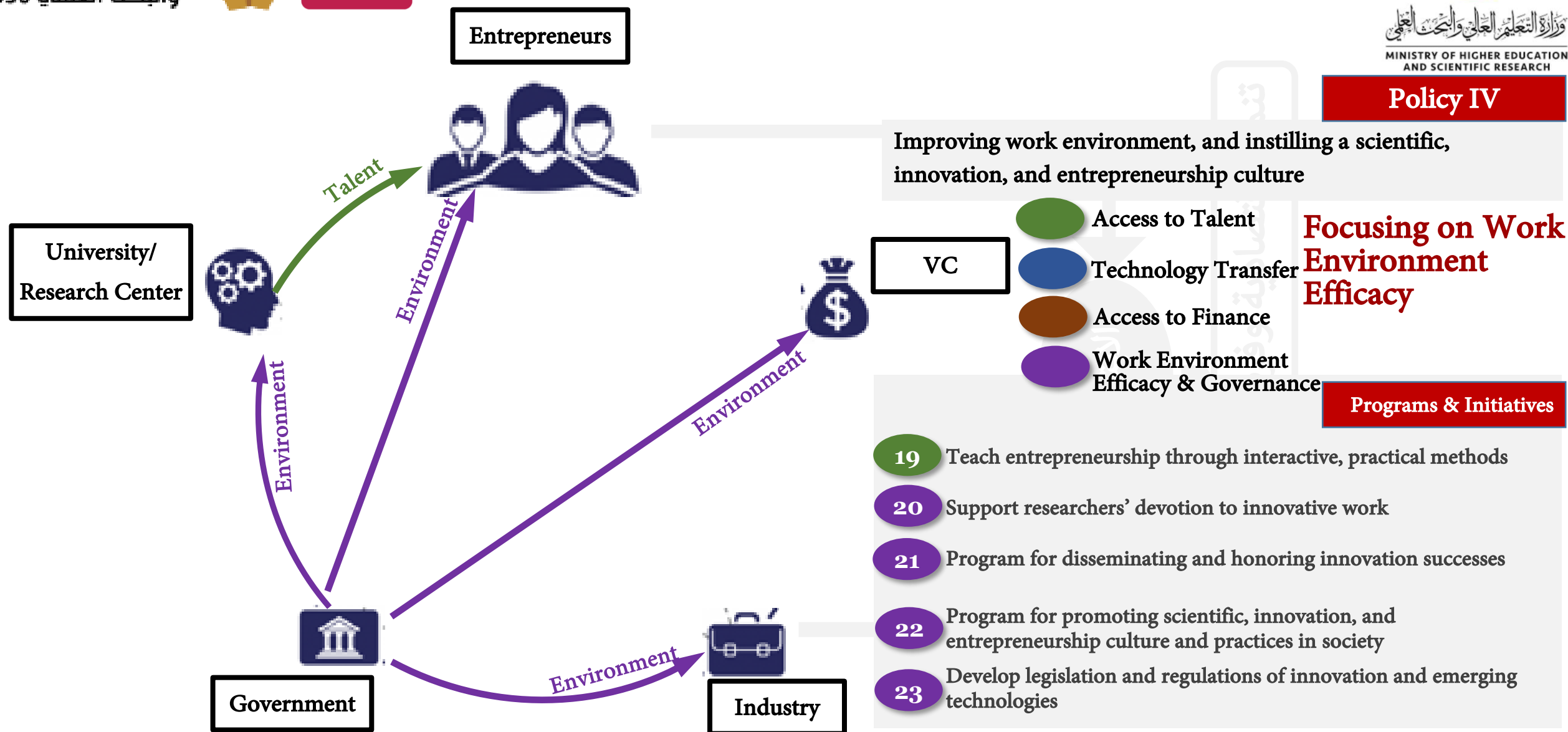
- 14** Establishing a national fund to invest in venture funds
- 15** Incentive program for innovative companies
- 16** Program for financing partnerships between research institutions and technology companies
- 17** Program for financing technology acquisition, intellectual property, and technology transfer from abroad
- 18** Program for financing green innovations





Policy Enablers

Policy IV





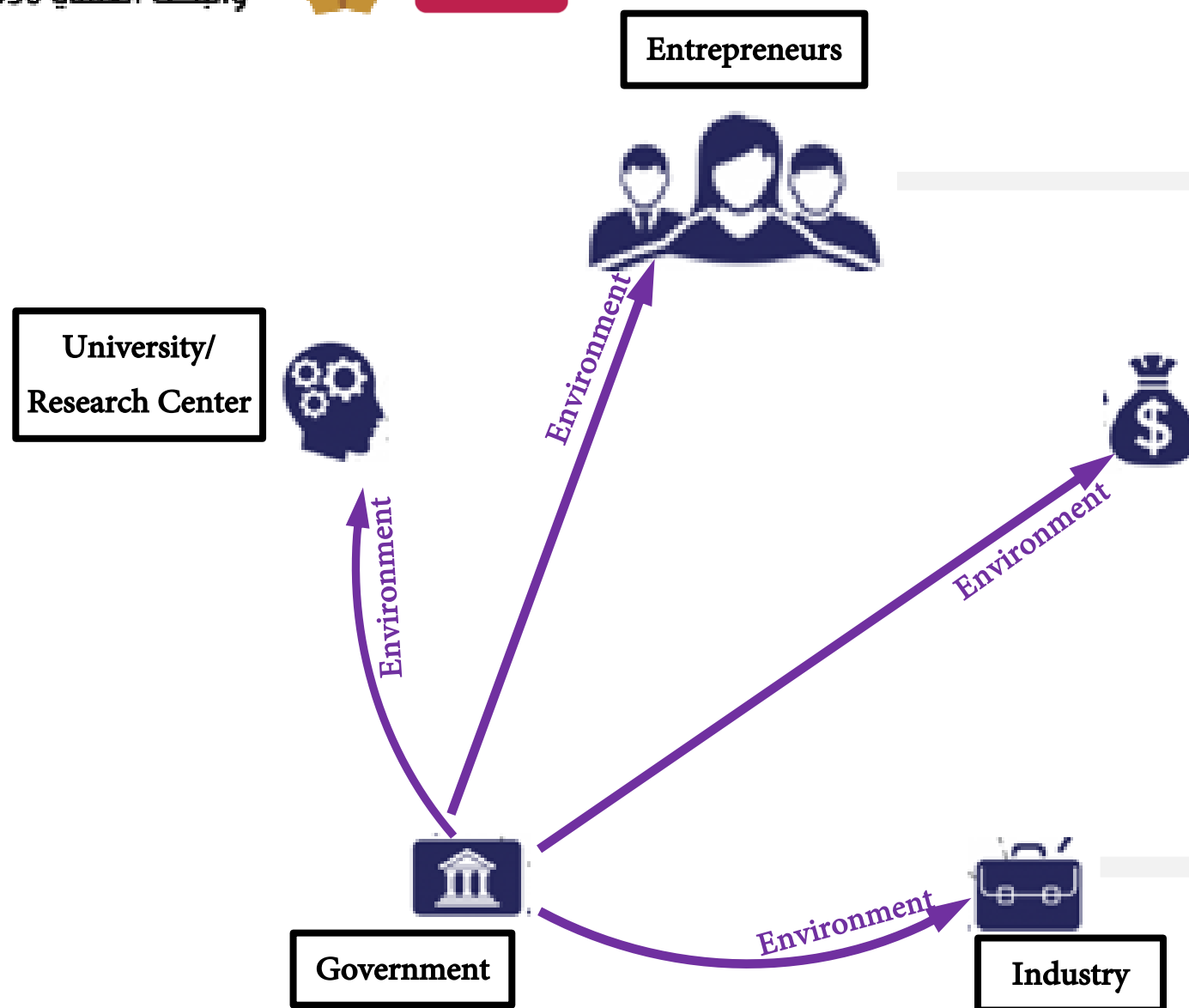
Policy Enablers

Policy V

Governance of the National Policy for Sustainable Innovation

Focusing on Work Environment Governance

Programs & Initiatives



- Access to Talent
- Technology Transfer
- Access to Finance
- Work Environment Efficacy & Governance

- 24 Develop and publish an innovation index
- 25 Establish mechanisms for selecting and auditing executive leaders
- 26 Establish the National Council for Education, Research, and Innovation and form its Technical Secretariat
- 27 Activate the Egyptian Observatory for Science, Technology, and Innovation



Policy Objectives

- Access to Talent
- Technology Transfer
- Access to Finance
- Work Environment
Efficacy & Governance

Programs & Initiatives

- 1 Develop university admission policies to enhance STEM appeal
- 3 Reform scientific scholarship system for overseas study
- 4 Support industrial internship programs
- 6 Program to enhance contribution of Egyptian expats
- 7 Program for human resource development in R&D
- 20 Support researchers' devotion to innovative work
- 22 Program for promoting scientific, innovation, and entrepreneurship culture and practices in society

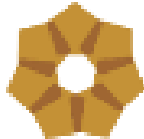
- ☐ R&D Capability Building
- ☐ Eliminate Gap between R&D and Innovation
- ☐ Innovation Capability Building

Capability Building

R&D

Innovation

Valley of Death



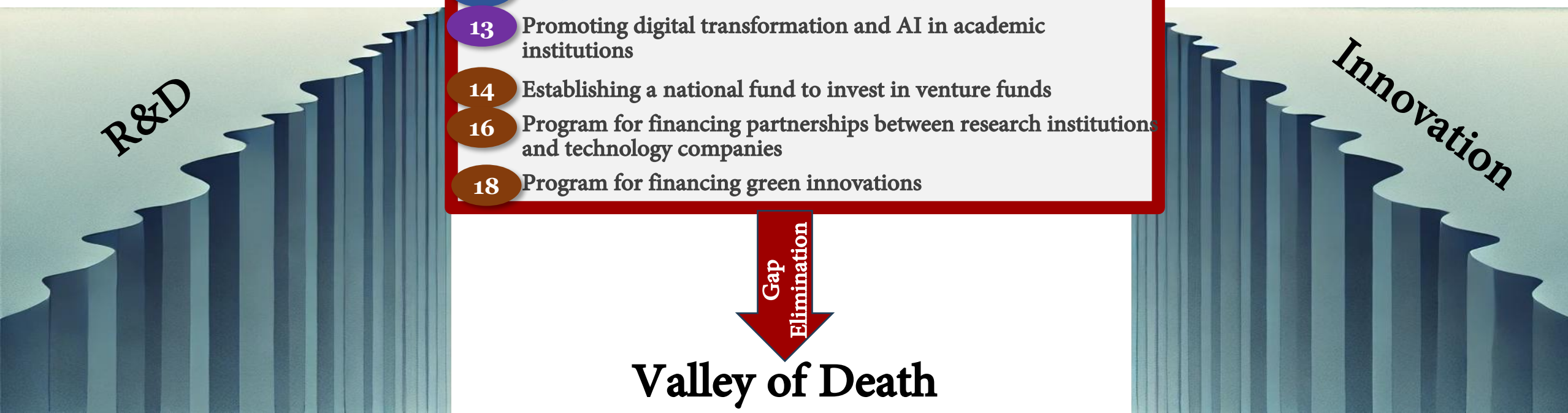
Policy Objectives

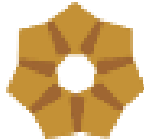
- Access to Talent
- Technology Transfer
- Access to Finance
- Work Environment Efficacy & Governance

Programs & Initiatives

- 2 Establish an institutional framework for innovation activities
- 5 Develop mechanisms for registering IPR
- 8 Program to enhance role of technology alliances in sustainable development
- 9 Program to promote startups and spinoffs
- 10 Participation of academic institutions in development strategies
- 11 Market services of research institutions
- 12 Program for tech transfer and deepening industrialization
- 13 Promoting digital transformation and AI in academic institutions
- 14 Establishing a national fund to invest in venture funds
- 16 Program for financing partnerships between research institutions and technology companies
- 18 Program for financing green innovations

- ☐ R&D Capability Building
- ☐ Eliminate Gap between R&D and Innovation
- ☐ Innovation Capability Building





Policy Objectives

Programs & Initiatives

Access to Talent

Technology Transfer

Access to Finance

Work Environment
Efficacy & Governance

15 Incentive program for innovative companies

17 Program for financing technology acquisition, intellectual property, and technology transfer from abroad

19 Teach entrepreneurship through interactive, practical methods

21 Program for disseminating and honoring innovation successes

23 Develop legislation and regulations of innovation and emerging technologies

24 Develop and publish an innovation index

25 Establish mechanisms for selecting and auditing executive leaders

26 Establish the National Council for Education, Research, and Innovation and form its Technical Secretariat

27 Activate the Egyptian Observatory for Science, Technology, and Innovation

☐ R&D Capability Building

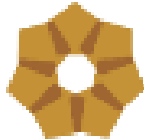
☐ Eliminate Gap between R&D and Innovation

☐ Innovation Capability Building

Capability Building

Innovation

Valley of Death



Sub-policy 1 Elements



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MINISTRY OF HIGHER EDUCATION
AND SCIENTIFIC RESEARCH



KPIs

%HEIs with effective innovation policies and regulations

Number of trainees of industrial training programs

Number of projects with expats

%researchers trained on entrepreneurship, innovation, AI, and emerging technologies

Number of IPRs

Percentage of STEM students

Number of researchers and envoys

Developing the innovation capabilities and roles of HEIs



Outcomes

Policies to stimulate linking HEIs with industry and society

IPRs to support innovation

Qualified human resources

HEIs with world-class innovation standards and internal regulations

Educational and research systems that stimulate innovation



Programs & Initiatives

Program to enhance contribution of Egyptian expats

Program for human resource development in R&D

Develop mechanisms for registering IPR

Develop university admission policies to enhance STEM appeal

Establish an institutional framework for innovation activities

Reform scientific scholarship system for overseas study

Support industrial internship programs

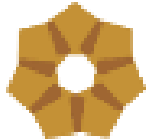


Strategic Trends

Developing the Higher Education and Scientific Research System in Egypt

Updating the mission of HEIs to enhance their role as a key driver of innovation and sustainable development

Developing research and innovation human resources



Sub-policy 2 Elements



KPIs

Number and size of AI and digital transformation projects

Number and size of participation of HEIs in development plans

Number and volume of services provided by HEIs

Number of tech projects and alliances and their economic return

Number and size of technology transfer licenses

Number of tech startups and spinoffs

Strengthening the developmental role of HEIs



Outcomes

HEI perspective as a key partner to support sustainable development

HEI partnerships with local and global innovation stakeholders

Geographically balanced distribution of tech startups and spinoffs according to development priorities



Programs & Initiatives

Marketing services and outcomes of HEIs

Program to enhance role of tech alliances in sustainable development

Promoting digital transformation and AI in HEIs

Program to promote startups and spinoffs

Program for technology transfer and deepening industrialization

Participation of HEIs in development strategies

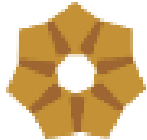


Strategic Trends

Updating the mission of HEIs to enhance their role as a key driver of innovation and sustainable development

Enhancing the contribution of innovation in the development of production and service sectors

Developing infrastructure and support systems to promote innovation in the production sectors and society



Sub-policy 3 Elements



KPIs

Size of incentives provided to innovative companies and number of beneficiaries

National fund size

Size of financing of different types

Number of products, services, and industrial solutions produced and their economic return

Number of licensing contracts and transfer of technology from abroad and economic return



Outcomes

Funding opportunities for green innovations

Non-traditional financing frameworks for innovation support projects

Direct financing opportunities from international entities

Indirect funding opportunities at the regional level in exchange for research and advisory services

An effective mechanism to insure and cover risks associated with R&D spending



Programs & Initiatives

Incentive program for innovative companies

Establishing a national fund to invest in venture funds

Program for financing green innovations

Program for financing partnerships between HEIs and tech companies

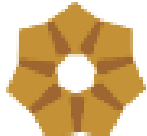
Program for financing IP and tech acquisition and transfer from abroad



Strategic Trends

Develop domestic and foreign financing alternatives to support innovation and recent trends as green innovation

Diversifying and enhancing innovation financing to support sustainable development and life quality



Sub-policy 4 Elements



KPIs

Percentage of researchers engaged in innovative work

Number of new and amended legislations

Percentage of students taught entrepreneurship

Number of targeted culture awareness initiatives and size of beneficiaries

Percentage of students establishing startups

Improving work environment, and instilling a scientific, innovation, and entrepreneurship culture



Outcomes

New or amended innovation-friendly legislative frameworks

Entrepreneurship taught on a wide scale through interactive, practical methods

Researchers engaged in innovative work on a large scale.



Programs & Initiatives

Support researchers' devotion to innovative work

Develop legislation and regulations of innovation and emerging technologies

Program for disseminating and honoring innovation successes

Teach entrepreneurship through interactive, practical methods

Program for promoting scientific, innovation, and entrepreneurship culture and practices in society

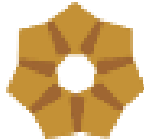


Strategic Trends

Creating a national business environment to stimulate innovation and localization of technology

Developing infrastructure and support systems to promote innovation in the production sectors and society

Promoting scientific culture and a culture of innovation and entrepreneurship in society in cooperation with the media



Sub-policy 5 Elements



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MINISTRY OF HIGHER EDUCATION
AND SCIENTIFIC RESEARCH



Innovation Index Results

%HEIs with innovation impact dashboards

Regular periodic performance reports

National Council for Education, Research, and Innovation established and its Technical Secretariat formed

Governance of the National Policy for Sustainable Innovation



Outcomes

Integrated system for preparing, evaluating, and reviewing the national policy for sustainable innovation

Linking the national innovation policy system with the national planning system

Practical frameworks for linking national policy and state strategies



Programs & Initiatives

Establish mechanisms for selecting and auditing executive leaders

Establish the National Council for Education, Research, and Innovation and form its Technical Secretariat

Activate the Egyptian Observatory for Science, Tech, and Innovation

Develop and publish an innovation index



Strategic Trends

Developing an integrated system for the governance of innovation policy, and for performance and developmental impact evaluation of the National Innovation System

Provide appropriate frameworks for the governance and deployment of emerging technologies in the economy and society

Governance of the National Policy for Sustainable Innovation

Education, Research, and Innovation
Activate the Egyptian Observatory

Access to Finance

7

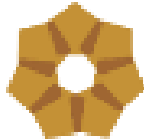
R&D Capability Building

Bridging Gap Between R&D and Innovation

Innovation Capability Building




















































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Objectives



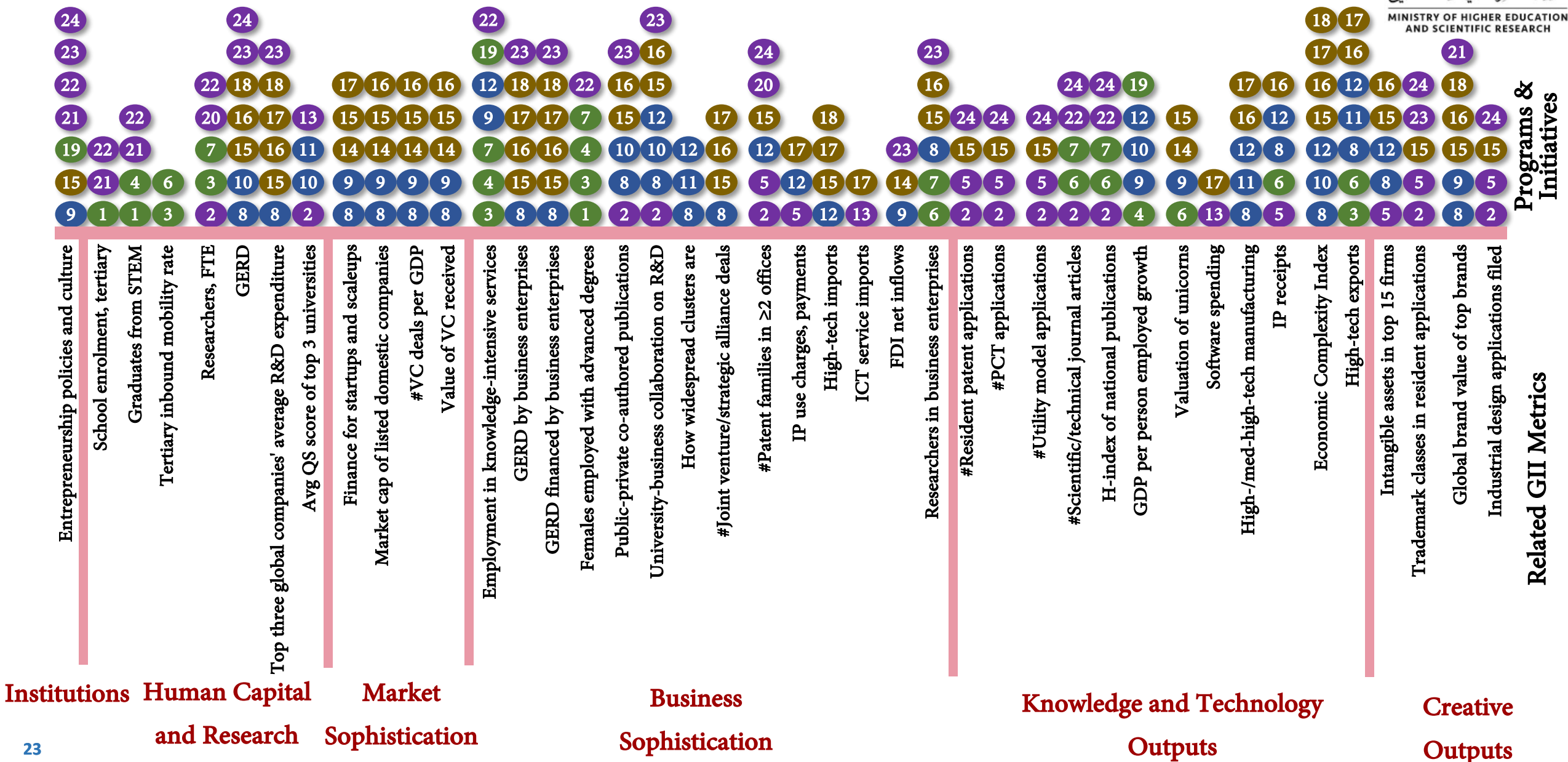
Implementation Authorities

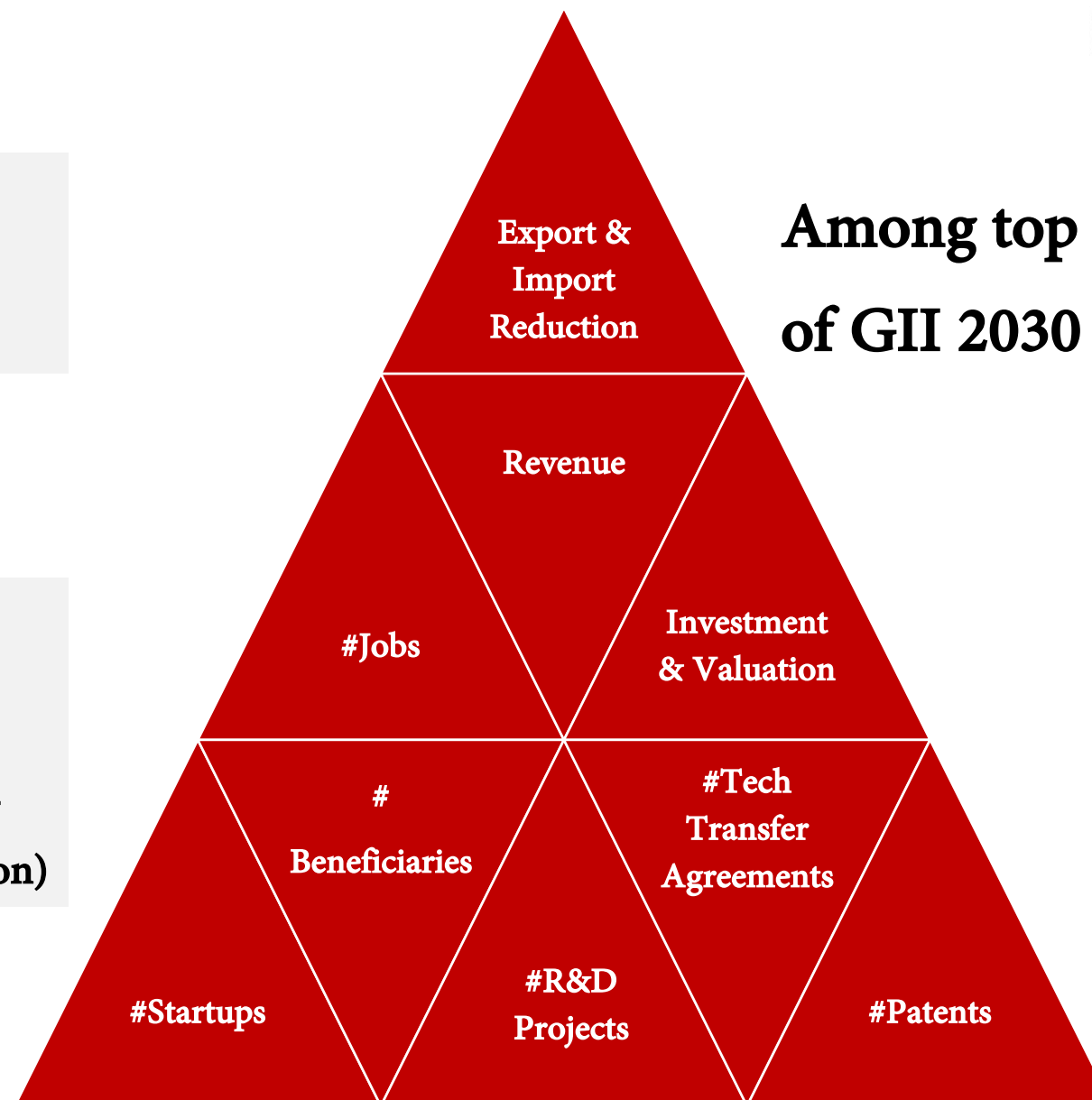
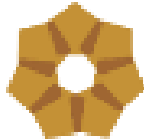
Sub-policies

Developing the innovation capabilities and roles of higher education and scientific research institutions							Strengthening the developmental role of universities and research centers							Diversifying and enhancing innovation financing to support sustainable dev't					Improving work environ., and instilling a scientific, innov. and entrepren. culture					Governance of the National Policy for Sustainable Innovation			
Develop university admission policies to enhance STEM appeal	Establish an institutional framework for innovation activities	Reform scientific scholarship system for overseas study	Support industrial internship programs	Develop mechanisms for registering intellectual property rights	National program to enhance the contribution of Egyptian expats	National program for human resource development for R&D	Program to enhance role of tech alliances in sustainable development	National program to promote startups and spinoffs	Participation of academic institutions in development strategies	Market services of research institutions	Program for technology transfer and deepening industrialization	Promoting digital transformation and AI in academic institutions	Establish a national fund to invest in venture funds	Incentive program for innovative companies	Program for financing academic-industry partnerships	Program for financing technologies, IP, and tech transfer from abroad	Program for financing green innovations	Teach entrepreneurship through interactive, practical methods	Support researchers' devotion to innovative work	Program for disseminating and honoring innovation successes	Program for promoting scientific, i&e culture and practices in society	Develop legislation and regulations of innovation & emerging technologies	Develop and publish an innovation index	Establish mechanisms for selecting and auditing executive leaders	Establish National Council for Education, Research, and Innovation	Activate the Egyptian Observatory for Science, Tech, and Innovation	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 		
Programs & Initiatives																											



GII Impact







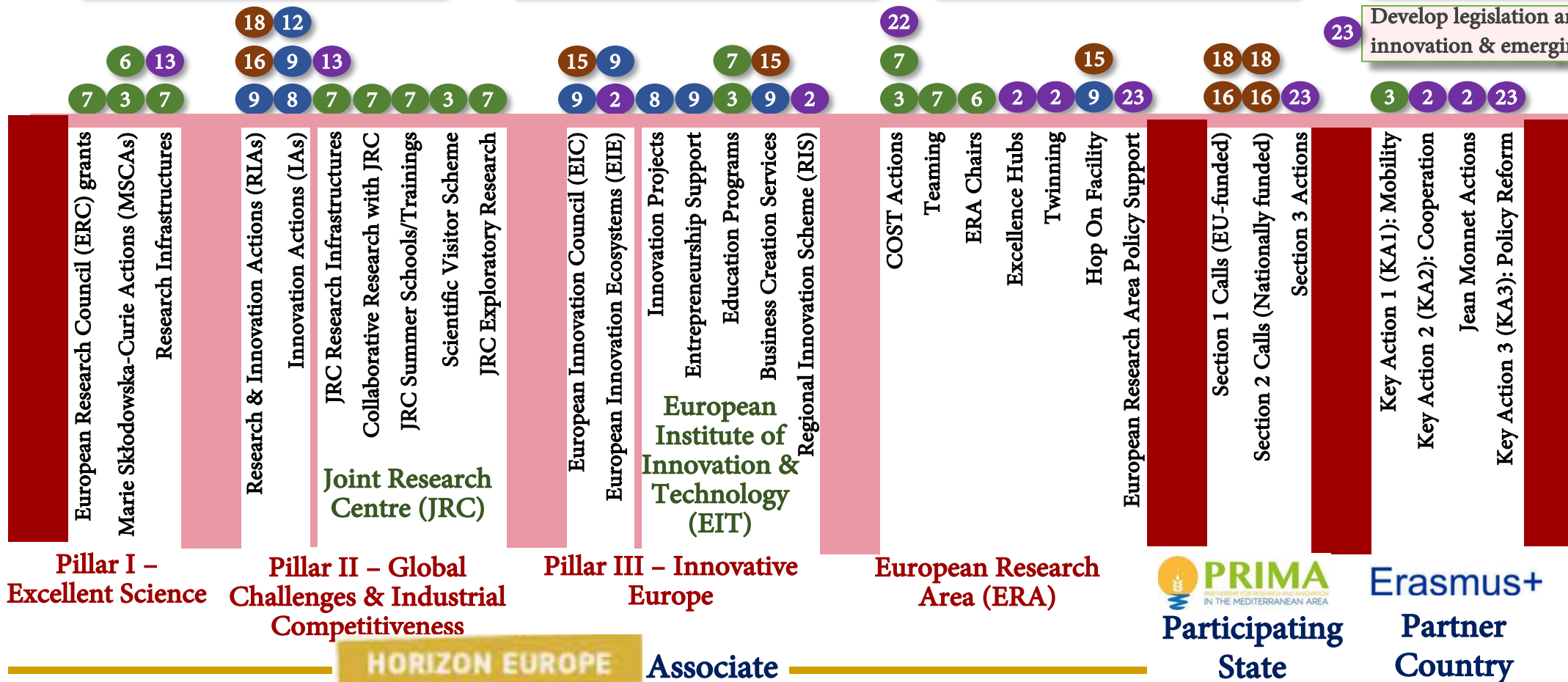
Leveraging EU Research & Innovation Programs



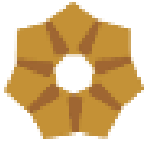
وزارة التعليم العالي والبحث العلمي

HIGHER EDUCATION
SCIENTIFIC RESEARCH

- Programs & Initiatives**
- 2 Establish an institutional framework for innovation activities
 - 3 Reform scientific scholarship system for overseas study
 - 6 National program to enhance the contribution of Egyptian expats
 - 7 National program for human resource development for R&D
 - 8 Program to enhance role of tech alliances in sustainable development
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 - 23 Develop legislation and regulations of innovation & emerging technologies



- Access to Talent
- Technology Transfer
- Access to Finance
- Work Environment

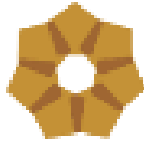


Passing Early Stage of Policy Implementation

1. هل تم اصدار لائحة داخلية لتنظيم أنشطة الابتكار (نقل التكنولوجيا، شركات منبثقة، خدمات،)؟
Has internal regulations been issued for innovation activities (technology transfer, spinoffs, services, etc)?
2. هل يوجد هيكل تنظيمي مختص بتنفيذ اللائحة (مكتب نقل التكنولوجيا، مكتب/حاضنة ريادة أعمال،)؟
Is there an organizational structure for the regulation (technology transfer office, entrepreneurship office, etc)?
3. هل توجد سياسة لحماية حقوق الملكية الفكرية وتأسيس الشركات المنبثقة؟
Is there a policy for protecting IPR and establishing spinoffs?
4. هل يتم تنظيم فعاليات دورية منتظمة للتشبيك مع شركاء الابتكار من صناعة ورواد أعمال ومستثمرين وحكومة؟
Are regular networking events held with innovation partners from industry, entrepreneurs, investors, government?
5. هل يوجد نظام لرصد وتقييم الملكية الفكرية وأنشطة الابتكار؟
Is there a system for monitoring and evaluating IP and innovation activities?
6. هل لدى الباحث فهم بشأن أنشطة ولائحة الابتكار ويحظى بحوافز مميزة حال المشاركة فيها؟
Does the researcher understand innovation activities/regulation and receive distinctive incentives for participating?



جميع الإجابات بـ "نعم"
All Answers are "Yes"



Thank You...