



MINISTRY OF ECONOMY AND
DEVELOPMENT

SCIENCE PARK DEVELOPMENT IN MONGOLIA

The Department of Science and Technology integrated policy,
Ministry of economy and development, Mongolia

MONGOLIA

A country of unique nomadic history and natural resources

3.5M

Population

Source: NSO (2024)

4.9%

GDP Growth
Rate

67th

Innovation
index

Source: WIPO (2024)

81th

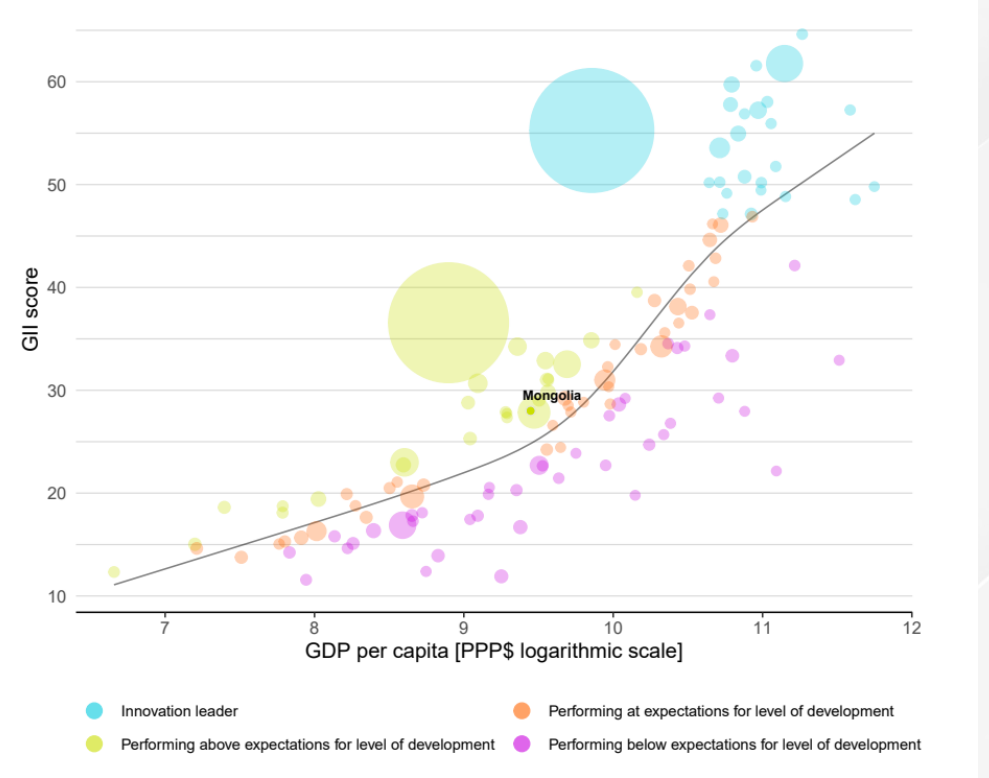
Startup
Ecosystem
index

Source: Startup Blink (2024)

Global Innovation Index-Mongolia

Strengths		Weaknesses	
Rank	Indicator name	Rank	Indicator name
1	Industrial designs by origin/bn PPP\$ GDP	122	Creative goods exports, % total trade
1	Trademarks by origin/bn PPP\$ GDP	116	Production and export complexity
3	Firms offering formal training, %	105	High-tech manufacturing, %
6	FDI net inflows, % GDP	104	Domestic industry diversification
7	Utility models by origin/bn PPP\$ GDP	99	PCT patents by origin/bn PPP\$ GDP
9	Gross capital formation, % GDP	86	GERD performed by business, % GDP
25	Females employed w/advanced degrees, %	75	Global brand value, top 5,000, % GDP
29	Patents by origin/bn PPP\$ GDP	75	QS university ranking, top 3*
43	ICT use*	49	Unicorn valuation, % GDP
45	Labor productivity growth, %	41	Global corporate R&D investors, top 3, mn USD

Innovation overperformers relative to their economic development





SCIENCE, TECHNOLOGY AND INNOVATION

Creating enabling environment for a partnership between state-science-industry and business underpinned by a multi-source financing system of research, development and innovation in order to use knowledge as an economic asset.



“VISION 2050” MONGOLIA’S LONG TERM POLICY

Develop internationally competitive national science, technology and innovation ecosystem



LAW ON INNOVATION

Chapter 4: Development of the Science park
Article 18 to 21



PARLIAMENT RESOLUTION NO.23 OF 2020

Five-year guidelines for the development of Mongolia in 2021-2025

VISION 2050





In line with the UN Sustainable Development Goals and "Vision-2050" Mongolia's Long-Term Development Policy, the Science Park Administration was established by the Government Resolution No.19 of 2017 with the aim to:

- Develop high-tech industry, and
- Provide integrated management for the STI park activities.

- 1 Strengthen the coordination between research institutions, universities, government and private sector
- 2 Enhance an innovation ecosystem with favorable R&D, investment, tax and legal environment
- 3 Advance the high-tech start-ups and investment for STI development

POLICY OBJECTIVES AND STRATEGIES TO DEVELOP SCIENCE & TECHNOLOGY AND INNOVATION



1

In the mid-term strategy of the Mongolian Government's Program for 2024-2028, it is stated that "the **Research and Development** expenditure for science and technology initiatives will reach 1% of the Gross Domestic Product, strengthening the foundation of a knowledge-based economy driven by science, innovation, and technology".

2

In the mid-term strategy of the Mongolian Government's Program for 2024-2028, it is stated that "to develop tax-advantaged free zones and **science technology parks** dedicated to information technology, research and development, and innovation activities"

3

In the short-term strategy of the State Development Plan for 2025-2026, it is stated that "We will enact the **Law on the Legal Status of Science Parks**, conduct feasibility studies, and initiate the development and construction of science technology parks."



MEASURES ON DEVELOPMENT OF STI PARK

TAX INCENTIVES

Corporate income tax
exemption

VAT exemption

2 Customs duty
exemption

Land fee

Property tax

Personal income tax

Development of the Law on Legal Status of Science Park

Creating opportunities
for collaboration and
investment



Source: JICA Study Team



An area of science park in the “Education-Research-Industry Complex” will be composed of innovation center, laboratories, incubation center and R&D center with the total area of 65 hectares land.

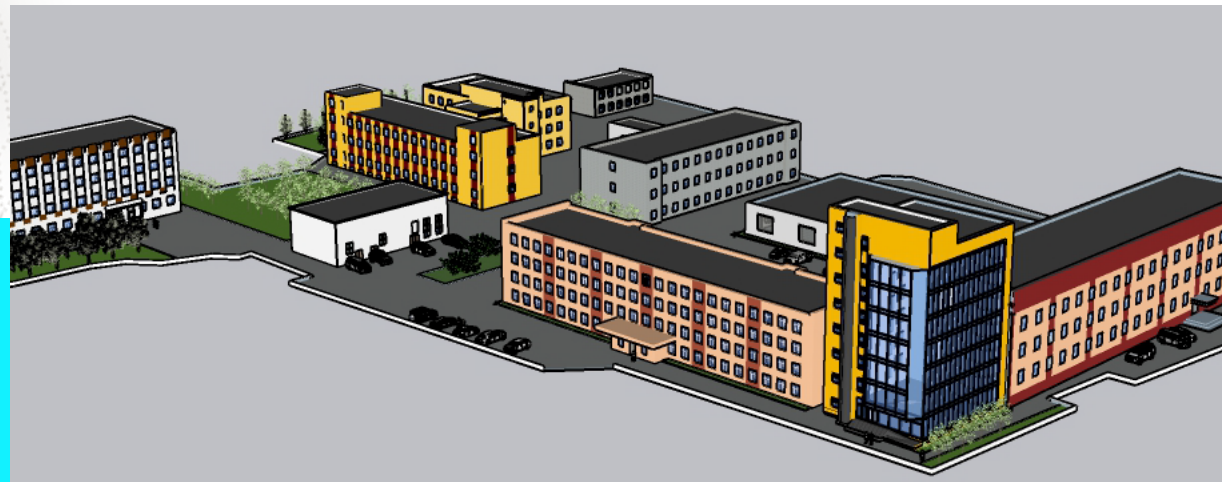
SCIENCE PARK DEVELOPMENT PLAN

“RICH HEART” SCIENCE PARK PROJECT

Project Name: “RICH HEART” Mongolia's Science and Innovation Park
Location: Ulaanbaatar, Current location of the Mongolian Academy of Sciences

Main Buildings:

- 3 buildings of the Institute of Chemistry and Chemical Technology
- 1 building of the Institute of Biology
- 1 building of the Institute of Physics and Technology
- 1 administrative building of the MAS leadership office



Main directions:

Environmental technology"

01

The focus will be on addressing climate change, protecting the environment, and promoting green technologies. This includes initiatives related to renewable energy, waste recycling, and energy efficiency solutions.

Mining technologies

02

Research and development will focus on technological innovations in Mongolia's key economic sector, mining. This will include advancements in smart automation, data analytics, and the development of energy-efficient smart systems.

Smart agriculture technology

03

Research and development will focus on introducing advanced innovative technologies in the agriculture sector, including smart farming systems, livestock management, crop cultivation technologies, and the development of green products.

Strategy

"Incubator and
accelerator
centers
supporting
startup
businesses



Open laboratories and
resource utilization
centers



Innovation and
International
Cooperation Center



Environmental and
Agricultural Innovation
Projects

Technology Transfer
Centers



Funding, Budget

The total funding required for the project is 31 billion MNT, which covers the following costs:

Establishing open laboratories and resource utilization centers: 10-12 billion MNT

Setting up an incubator center: 5-7 billion MNT

Technology transfer center: 3-4 billion MNT

Innovation and international cooperation center: 3 billion MNT

Operating costs: 7 billion MNT

STI PARK DEVELOPMENT PROJECT IN MONGOLIA



Visit to science and technology parks



Gap analysis study



CONCLUSION

- Mongolia is currently working to establish a legal framework for the development of science technology parks. As part of this effort, the Ministry of Economy and Development has formed a working group to draft the concept and initial version of the relevant law. **According to the plan, the draft law will be submitted to the Government and the State Great Khural (Parliament) for discussion and approval in 2025. This will result in the full establishment of a legal environment for the development of science and technology parks**
- As previously mentioned, Mongolia is initiating two types of projects for the establishment of science and technology parks. Within this framework, thematic studies have been conducted on the legal framework and human resource capacity required for these projects and the development of science technology parks. **According to our plan, feasibility studies for these projects will be conducted within 2025.**
- In line with the National Development Plan for 2026, the Ministry of Economy and Development is working to **begin the phased construction of the Science and Technology Park in Mongolia.**
- The project being implemented by UNCTAD is **providing significant support for the implementation of the above-mentioned activities.** In particular, it has been instrumental in building knowledge for the development of the legal framework and the roadmap for advancing science and technology parks. On behalf of the government agency responsible for science and technology policy in Mongolia, **we would like to express our sincere gratitude to UNCTAD and the project team** for their valuable contribution.

FURTHER ASSISTANCE

•**Policy & Regulation** – We seek further assistance in strengthening STI park policies, refining legal frameworks for startups, and establishing clear public-private partnership models to enhance innovation-driven growth.

•**Funding & Investment** – To sustain and expand our STI parks, we require support in developing long-term financing models, attracting international investors, and securing funding for critical infrastructure development.

•**Talent & Capacity Building** – We aim to enhance our human capital by expanding training programs, strengthening university-industry collaboration, and fostering an entrepreneurial mindset among researchers and startups.

•**Global Integration** – To fully integrate into the global innovation ecosystem, we need stronger partnerships with international STI parks, participation in global innovation networks, and improved mechanisms for technology commercialization.



MINISTRY OF ECONOMY AND
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| **THANK YOU.**

Contact us

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