

**Competition for Grant  
Funding of the Most  
Promising Projects for the  
Commercialization of  
RSSTA Results (2023–  
2025)**



АКЦИОНЕРЛІК ҚОҒАМЫ  
**ҒЫЛЫМ ҚОРЫ**  
**ФОНД НАУКИ**  
АКЦИОНЕРНОЕ ОБЩЕСТВО

# JSC “SCIENCE FUND”

JSC “Science Fund” was established in accordance with the Resolution of the Government of the Republic of Kazakhstan dated November 7, 2006, No. 1057 “On the establishment of the joint-stock company ‘Science Fund’.

”The sole shareholder of the Science Fund is the Committee of Science of the Ministry of Science and Education of the Republic of Kazakhstan.

The main objective of the Science Fund is to support the development of priority, initiative-based, and high-risk scientific research and experimental design works that ensure the practical implementation of scientific research in the country. Since 2020, in accordance with the Government Resolution No. 435 dated July 9, 2020, the Science Fund has been designated as the legal entity responsible for grant funding for the commercialization of RSSTA results.



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# Goals and Principles of the Competition

## Goal:

To support the practical application of results, including intellectual property, by bringing new or improved products, processes, and services to the market through grant funding.

## Principles:

Transparency in interactions between all participants

Economic incentives for RSSTA commercialization in priority sectors of the economy

Guaranteeing the rights and interests of individuals involved in obtaining and commercializing RSSTA results

Integration of education, science, industry, and innovation development institutions



# Grant Provision Conditions



Project leader must be a citizen of the Republic of Kazakhstan



Project implementation must take place within the territory of the Republic of Kazakhstan



Grant amount – up to 350 million KZT



Project implementation period – 2023–2025



Project team must consist of 4 to 6 members



Must include a commercialization specialist and an accountant



Co-financing must be at least 10% of the grant amount



By the end of the project, income should be at least 10% of the grant amount



# List of Priority Economic Sectors

❖ Healthcare

❖ Quality education

❖ Digitalization

❖ Geological exploration and extraction of natural resources

❖ Modernization of the energy sector

❖ Manufacturing industry

❖ Oil and gas chemical industry

❖ Ecology

❖ Agro-industrial complex and agricultural raw material processing

❖ Tourism

❖ Strengthening national security

❖ Metallurgy and metal processing

❖ Mechanical engineering

❖ Chemical industry

❖ Light industry

❖ Other sectors provided by national programs



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# Applicant and Project Team Requirements



**Applicant must be an accredited entity in scientific and/or scientific-technical activities**

## Startup

**In case of startup creation, the applicant must be among the founders for the full project period**



**Project leader must be a full-time employee of the grantee**



**Project team members must be citizens and/or residents of the Republic of Kazakhstan with higher education**



**Commercialization specialist must have at least 3 years of experience in technology commercialization/business development**



**Accountant must have a professional accountant certificate and at least 3 years of experience**

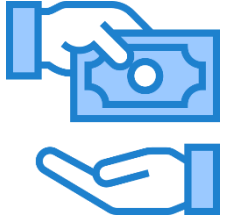
# FUNCTIONS OF A TECHNOLOGY COMMERCIALIZATION SPECIALIST



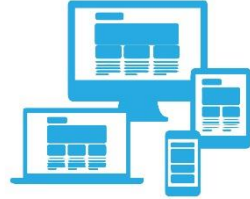


# GRANT EXPENDITURE ITEMS

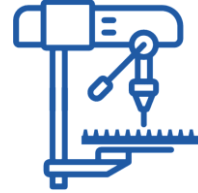
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Payroll fund (no more than 30% of the grant amount)



Purchase of equipment and/or software



Preparation of production facilities



Purchase of materials and components



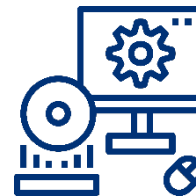
Payment for third-party work and services related to the project



Rental of production areas, premises, and equipment (no more than 20% of the grant amount)



Intellectual property protection



product/service marketing and promotion (at least 5% of the grant amount)



Tax obligations incurred during project implementation



Operational costs

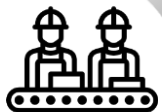


# Conditions of Co-Financing

- ✓ Must be in monetary equivalent only:
  - for institutions of higher and postgraduate education, as well as state scientific organizations and scientific organizations with 100% state participation that are accredited entities of scientific and/or scientific-technical activity – at least 10%; for startup companies – at least 20%; for private partners or other legal entities – at least 30%.
- ✓ Can be funded either by the applicant's own resources or by the resources of a private partner, including foreign partners.
- ✓ The amount of contribution, as well as the terms of cooperation with a private partner, must be defined in a cooperation agreement before submitting the application.
- ✓ Co-financing funds must be planned and spent exclusively for the project's goals and objectives at each stage of project implementation, proportional to the grant amount.
- ✓ Co-financing must be placed in the grant recipient's bank account and confirmed by a certificate from the financial institution at each stage before receiving the grant funds



# EXPECTED RESULTS



**Organization of Production and Sales of Products (Goods, Works, Services)**



**Conclusion of a Licensing Agreement and/or an Assignment Agreement for the Rights to the Results of Scientific and/or Scientific-Technical Activities**



**Attraction of Investments into the Implemented Project**



**By Other Means Provided for by the Legislation of the Republic of Kazakhstan**

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# LIST OF REQUIRED DOCUMENTS



➤ Technological Implementation Plan of the Project (Appendix No. 1)

➤ Economic (Marketing) Implementation Plan of the Project (Appendix No. 2)



➤ Copy of the Accreditation Certificate for scientific and/or scientific-technical activities of the applicantRSSTA Registration



➤ Number assigned by the Expertise CenterCopy of the Joint Activity Agreement with a private partner (if applicable) (Appendix No. 3)



➤ Supporting Documents for the Budget EstimateBrief Project Presentation (Appendix No. 4)



➤ Copies of identification documents, diplomas, certificates, awards, résumés, and other documents of the project team members



➤ Letters and/or preliminary agreements confirming interest in the product, work, or service from potential buyers



➤ Copy of documents confirming the availability of material and technical resources (if available)

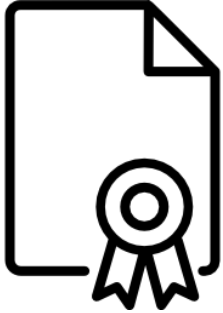


➤ Copy(-ies) of intellectual property protection document(s) or application(s) for obtaining protection document(s) for intellectual property from the applicant (if available)



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# OBJECTS OF INTELLECTUAL PROPERTY



- ✓ Existing intellectual property objects (IPOs) stated in the application must be transferred to the Grant Recipient prior to the signing of the grant agreement, on the basis of a licensing agreement and/or a comprehensive business license agreement and/or another agreement for the transfer of IPOs, with conditions for royalty and/or remuneration payments.



- ✓ If there are no protection documents for the RSSTA results, an agreement on the transfer of the RSSTA results to the Grant Recipient must be provided, including the terms of a licensing agreement.



- ✓ Newly created IPOs within the framework of the Project implementation must be registered in the name of the Grant Recipient.

# Who is a Private Partner?



- ✓ Provides co-financing or material/technical base
- ✓ - Can be one or multiple entities
- ✓ - Not required if applicant already meets project needs



# Mechanisms of Commercialization

## Based on OVPO and state scientific research institutes (GosNII)

Accredited entity of scientific and technical information (NNTD)

Implementation of scientific and technical information (NNTD) into own production

Individual (person)

Legal entity

Creation of a startup company

The winner and the grant recipient are the same entity

## 1. Startup company

Accredited entity for scientific and technical information (NNTD)

**РННТД**

License agreement

Agreement for the transfer of scientific and technical information (NNTD)

Participation in the charter capital

Создание стартап компании совместно с частным партнером

## Based on a private partner or another legal entity

Accredited entity of scientific and technical documentation (NNTD)

**СТИ**

License agreement

Agreement on the transfer of scientific and technical information (NNTD)

Implementation of scientific and technical information (NNTD) into production based on a private partner



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# Example of the first mechanism for project implementation

## 0171-17 GK Planting material of fruit, berry, and orn

Applicant/Grant recipient: State-Owned Enterprise "Mangystau Experimental Botanical Garden"  
Project leader: PhD in Biology  
Akjunis Altaevna Imanbaeva



Adapted to the conditions of the arid zone seedlings of woody plants with a closed root system:

- spruces and pines,
- ornamental flowering shrubs,
- shrubs for green hedges,
- climbing plants,
- varietal roses

# Example of the second mechanism for project implementation

## 0233-18-GK Soil aerator - fertilizer

Applicant: JSC "Kazakh Agrotechnical University named after Saken Seifullin"

Grant recipient: startup LLP "AGRITECH-KATU"

Private partner: LLP "Tselinselmash-Astana"

**The use of the soil aerator-fertilizer will:**

**reduce fertilizer consumption by 30-50%;**

**decrease environmental pollution;**

**increase crop yield by 35-40%;**

**improve the quality of agricultural products.\*\***



**Scientist 51%, LLP  
"Tselinselmash"  
40%, University 9%.**



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# Example of the third mechanism for project implementation

## 263-16-GK Synbiotic NER

Applicant: National Laboratory Astana, Nazarbayev University

Grant recipient/Private partner: LLP “Agrofirma Rodina“

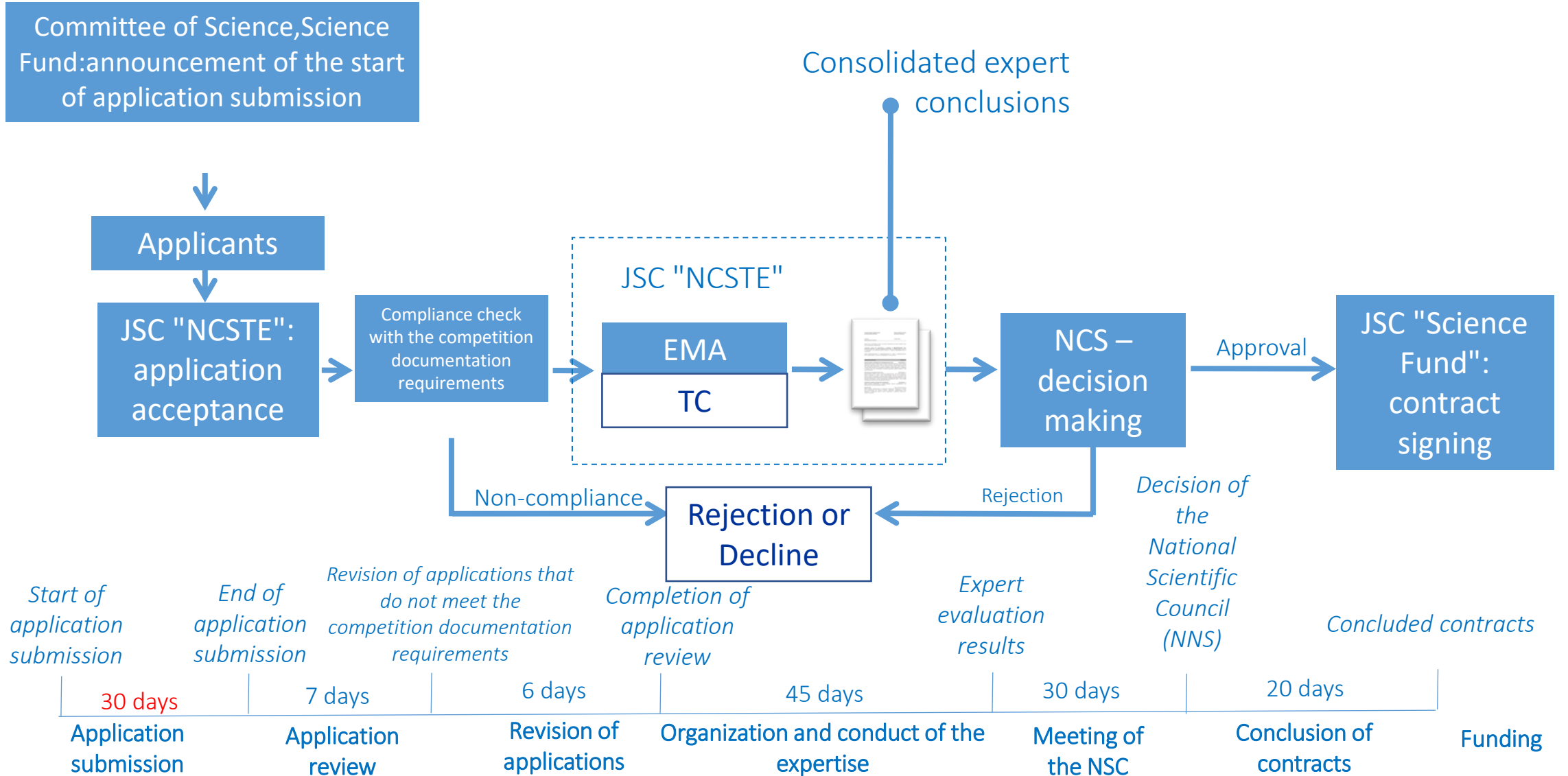
Project leader: MD, Professor Almagul Rakhimberlievna Kushugulova

- Contains easily digestible micronutrients and vitamins
- Restoration of the body after antibiotic therapy and chronic diseases
- Reduction of cholesterol levels
- Protection of human body cells from the negative effects of internal and external environmental factors
- Improvement of the body's adaptive properties during stressImprovement of intestinal motor function, recommended for constipation and bloating
- Recommended for overweight



**Royalty of 10% from sales**

# Competition process



# Results of the competitions 2016-2018

Grant amount for 2016-2018: 34 billion tenge

## Social indicators



Out of 152, 140 productions were launched, of which 15 reached the export stage.



1,398 jobs were created.



65 scientists with shares/royalties.



79 research institutes with shares/royalties.



47 eco-friendly productions.

## Economic indicators



28 billion tenge in sales, including 523.



3 million tenge in export volume.



6.9 billion tenge co-financing of projects.



6.3 billion tenge in taxes paid.

5 "tenge unicorns"

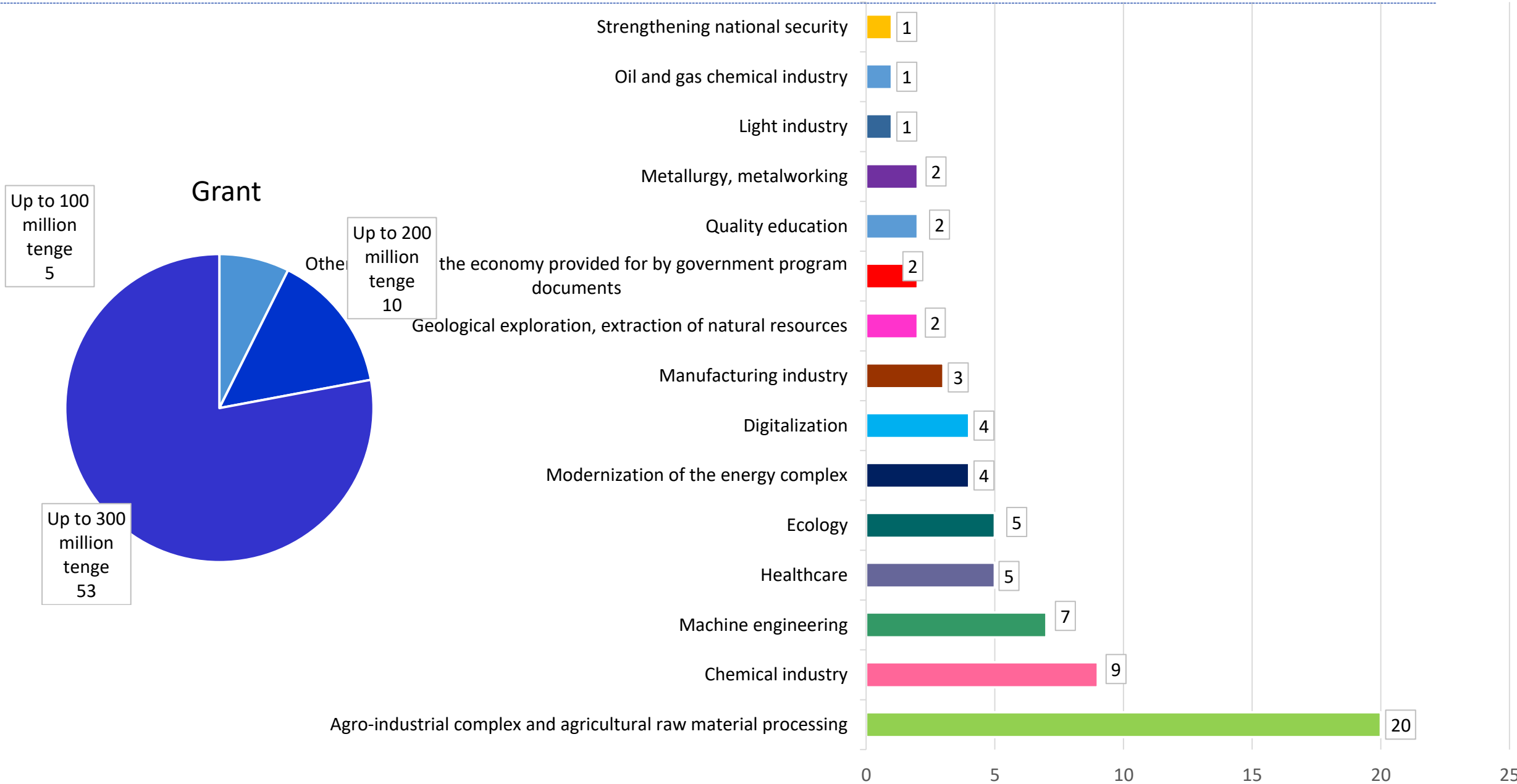


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# Results of the 2022 competition



# Sectors and grant amounts





# Consultations on the clarification of competition documentation



From June 1 to June 30, 2023



**Online conferences daily (except weekends and public holidays) from 15:00 to 17:00 Astana time, link: Zoom conference ID: 870 285 8115, access code: 2023.**



By phone:  
+7(7172)76-85-78 (Rakisheva A.B.),  
+7(7172)26-63-59 (Kerimbayev A.R.),  
+7(7172)76-85-76 (Omarov K.K.)  
(Daily, except weekends and public holidays,  
from 10:00 to 12:00 Astana time)