

### Brief information about the project

Name of the project	BR18574168 "The role of Kazakhstan in deepening regional integration of ca countries and its sustainable development goals within modern global trends" (0123PK01034)
Relevance	The relevance of this study is explained by modern changes in world politics and economics. Global processes such as globalization, integration and changes in the structure of the world economy make regional cooperation more important than ever. National borders are becoming less important, and Central Asian countries face an increasing need to cooperate to ensure the well-being of their citizens. Within the region, regional issues arise related to uneven development, resource distribution and environmental challenges. Solving these issues requires joint efforts and coordination. Moreover, regional cooperation can contribute to strengthening stability and resilience in the region, which has important implications for global security.
Purpose	The goal of the project is to develop mechanism for deepening CA economic integration for positioning region as major player in the world market, to assess Kazakhstan competitive position, to determine goals of the country's sustainable development to achieve the leading role in the region within the modern global trends study biosurfactant-producing microorganisms and their applicability for enhanced oil recovery.
Objectives	<p>The objectives of the program are aimed at revealing the following problems stated in the project:</p> <ul style="list-style-type: none"><li>- comparative analysis of the global competitiveness of the economies of the Central Asian countries; obtaining an idea of the place of states in the competition for world markets, identifying the ability of countries and its institutions to ensure sustainable growth rates;</li><li>- analysis of the state, trends, internal contradictions and external factors in the development of the economies of states; identifying the strengths and weaknesses of the economies, identifying common ground for cooperation between countries;</li><li>- study of the integration potential of Kazakhstan and Kyrgyzstan within the framework of the EAEU, the possibility of joining this union of Tajikistan, Turkmenistan, and Uzbekistan;</li><li>- studying the institutional aspects of deepening cooperation between the Central Asian countries in the field of capital markets, labor markets, goods and services. Study of countries' development institutions: assessment of the degree of state and market regulation of economies, ease of doing business, use of absolute and comparative advantages.</li><li>- study of the state of cross-border trade and logistics; assessment of the possibility of optimizing trade and transport routes and building the concept of a logistics hub within the framework of the Great Silk Road.</li><li>- analysis of the industrial potential of countries, identification of industries that are most suitable for creating innovative integrated structures within the Central Asian region in the form of complete redistribution in order to increase gross value added;</li><li>- research of the conjuncture of the market of agricultural products of the countries; conducting marketing research of the agricultural market; selection of the range of agricultural products, options for processing them into a finished product in order to create a production chain within the framework of cooperation between entrepreneurs from the Central Asian countries;</li><li>- analysis of the financial system of countries; substantiation of effective interaction of states in the field of finance; search for ways of regional</li></ul>

cooperation on the basis of the Astana International Financial Center (AIFC) to attract investment in each country and the Central Asian region as a whole; studying the prospects for integrating individual sectors of the region's financial market into the global capital market.

- review of water and energy problems of the Central Asian region; studying the opinions of specialists on ways to solve the water problems of the region from the point of view of global climate change and land desertification; accumulation of existing points of view on the problem and an attempt to determine the contour of the Water-Energy Consortium. Development of mechanisms for improving cooperation in the field of transboundary water resources and the environment;
- analysis of social indicators of countries' development (standard of living, incomes, social assistance, state participation in solving social problems, etc.); issuing recommendations on leveling the level of socio-economic development of the population of the Central Asian states, determining areas of assistance through the organization of consultations and exchange of experience between countries;
- international legal regulation of the spheres of economic interaction between the Central Asian countries. Studying the international experience of economic integration of the countries of the European Union, Asia-Pacific, NAFTA; identifying factors that determine the success of economic integration; drawing up a report on the experience of integration of the avant-garde countries and the possibility of using it;
- formulation of the most important parameters characterizing the leadership of Kazakhstan in the region, determining the parameters of sustainable development, achieving competitive advantages by the country through the diffusion of innovations, the transition of the main sectors of the economy to a new technological order;
- definition of the Vision, Strategy and Mechanism of economic interaction between the Central Asian countries; substantiation of the need for regional unity of states in order to obtain competitive advantages in the world market and increase the investment attractiveness of the integrated economic space;
- development of mechanisms that contribute to strengthening interaction in the region, recommendations for increasing the resilience of economies to regional vulnerabilities, formulating proposals for strengthening the financial markets of countries for the entry of national capital into the global market as a representative of a single major financial player in the region;
- development of recommendations on the economic integration of the Central Asian countries, the entry of new countries into the EAEU (Uzbekistan, Turkmenistan, Tajikistan);
- analysis and forecast of prospects for deepening economic cooperation between the Central Asian countries and the Russian Federation, development of proposals for establishing cooperation at a higher level.
- analysis of the current state of cooperation between the Central Asian countries and the PRC, forecasting the prospects for expanding economic ties within the framework of the Great Silk Road;
- establishing closer ties with the CIS countries Azerbaijan, Georgia, Turkey, Iran, Afghanistan, Pakistan, drawing up proposals for the creation of free trade zones with these countries;
- development of organizational and legal forms of economic interaction between the Central Asian countries, drawing up a possible scenario for the development of cooperation between states in the medium term.

<p>Expected and achieved results</p>	<p>A justification will be made for the feasibility of regional cooperation between CA countries to gain competitive advantages and increase investment attractiveness. The program is expected to achieve the following results:</p> <ul style="list-style-type: none"> <li>- the study of the stated issues will allow developing a methodology for assessing existing recommendations for expanding and deepening cooperation and prospects for integration of the Central Asian countries</li> <li>- <b>global trends of modernity in the field of world politics, economics and technology will be identified in order to determine the modern features of regionalization in the world economy and the interaction of countries in the same region;</b></li> <li>- <b>Based on the study of new geopolitical and geo-economic challenges, relevant directions and mechanisms for strengthening regional unity will be identified and recommendations will be developed to ensure effective cooperation between the Central Asian countries in the financial sector, cross-border trade and logistics, in solving water, energy and other problems;</b></li> <li>- <b>possible scenarios for the development of economic cooperation between the states of the region in the medium term will be proposed, and on this basis, proposals will be developed for the creation of appropriate multilateral organizational and legal forms of cooperation between all the states of Central Asia;</b></li> <li>- <b>taking into account the national interests of Kazakhstan, a comprehensive analysis of its role in the development of the regional unity of the Central Asian countries as a country with the largest economy in the region and with a large transit potential will be carried out;</b></li> <li>- <b>risks for Kazakhstan's participation in the EAEU will be identified, taking into account the possible development of Central Asian integration;</b></li> <li>- <b>new trends in relations between the Central Asian countries and Russia, China will be identified and scenarios for the prospects for the development of trade and economic relations with them will be developed;</b></li> <li>- <b>based on the analysis of international experience of regional integration, the main indicators of regional integration will be studied with a view to their implementation in the CA region;</b></li> <li>- forecast estimates for the medium term will be developed and recommendations prepared for public and private structures of the Republic of Kazakhstan, aimed at correlating the foreign policy and foreign economic strategy of Kazakhstan.</li> </ul> <p>The goals and objectives set in the project for 2023 have been generally achieved and correspond to the calendar plan. Summary results of the following tasks:</p> <p>Task No. 2 – a web page has been created on the FMO KazNU website, an independent website has been created for external users in 3 languages</p> <p>Task No. 3 – A methodology and indicators for evaluating recommendations have been developed. The theoretical basis of the research is the theory of new regionalism.</p> <p>Task No. 4 – The assessment of the global competitiveness of countries was carried out in accordance with the new GCI 4.0 methodology using 98 indicators grouped into 12 competitiveness factors</p>
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	<p>Task No. 5 – The analysis of the main economic indicators for each state of the region was carried out. The theory of endogenous Growth is used as a theoretical framework for the study of economic growth</p> <p>Task No. 6 – It was revealed that the opportunities for joining and cooperation in the EAEU for Tajikistan, Turkmenistan and Uzbekistan are ambiguous and different, but important for the sustainability of national economies</p> <p>Task No. 7 – The institutional aspects of deepening cooperation between the Central Asian countries in the field of capital, labor, goods and services markets have been studied, which is important for creating a favorable and sustainable economic environment in the region.</p> <p>Task No. 8 – Based on the study of trade and transport routes in Central Asia within the framework of the Great Silk Road, it was revealed that Central Asia, with its strategic location and historical significance as a crossroads of trade routes, has the potential to strengthen regional and international ties. The peculiarities of the logistics concept of the landlocked countries of Central Asia are revealed</p> <p>Task No. 9 – The main economic indicators of each country are considered. It has been revealed that the creation of integrated structures related to the extraction and processing of these resources can significantly increase the gross value added in the region. The industries that can be considered for the creation of innovative integrated structures within Central Asia in the form of completed redevelopments have been identified.</p> <p>Task No. 10 – The methodological foundations of the study of the conjuncture of agricultural markets have been studied; the main trends in the modern global market of agricultural products and recommendations for Central Asian countries have been developed. It is revealed that it is advisable to work out the creation of large integrated agro-industrial associations of the Central Asian border countries</p> <p>Task No.11 – Based on the 4x2 conceptual scheme for measuring financial development developed by the World Bank and the IMF financial development indices, the current state of the financial systems of Central Asian countries is analyzed and opportunities for effective interaction between them are identified.</p> <p>Task No. 12 – The water and energy problems of the countries of the region are analyzed. The need to update the legislative framework in this area has been identified; practical mechanisms are needed; new technologies that save water must be used; Central Asian countries need to develop a unified strategy</p> <p>Task No. 13 – It has been revealed that today there is a strong discrepancy in terms of the level of socio-economic development of the population of the Central Asian countries, which is caused by a number of objective reasons of both a purely economic and political nature. Recommendations have been developed to equalize the level of socio-economic development of the population of the Central Asian states</p> <p>All publications according to the 2023 plan have been completed</p>
<p>Research team members with their identifiers (Scopus Author ID, Researcher ID, ORCID, if available) and</p>	<p>1. Baizakova Kuralay , doctor of History, professor, h-index (Scopus): 4, Researcher ID: <a href="#">N-4512-2014</a>, ORCID ID: <a href="https://orcid.org/0000-0003-3016-4113">https://orcid.org/0000-0003-3016-4113</a>, <b>Scopus author ID:</b> 57224272716</p> <p>2. Kukeyeva Fatima , doctor of History, professor, h-index (Scopus): 3, ResearcherID <a href="#">N-4317-2014</a>, ORCID ID: <a href="https://orcid.org/0000-0003-4570-5680">https://orcid.org/0000-0003-4570-5680</a>; <b>Scopus author ID:</b> 55858882700</p>

links to relevant profiles	<p>3. Arupov Akimzhan, Doctor of Economics, professor, h-index: 1, ResearcherID: AAD-6747-2022, ORCID: 0000-0002-1704-1090, Scopus Author ID: 58615472700</p> <p>4. Makasheva Klara, doctor of History, professor, h-index (Scopus): 2, ORCID ID: <a href="https://orcid.org/0000-0002-6031-3522">https://orcid.org/0000-0002-6031-3522</a>; Scopus author ID: 56241664100</p> <p>5. Augan Malik, d.h.s., professor, h-index (Scopus): 2, Scopus author ID: 57195357566</p> <p>6. Medukhanova Lyazipa, Candidate of Economic Sciences, h-index (Scopus)-1, Researcher ID: N-4301-2014, ORCID ID: 0000-0001-9073-3053, Scopus Author ID: 57200496135</p> <p>7. Yerimpasheva Aida, Candidate of Economic Sciences, h-index (Google Scholar): 4, ResearcherID: T-1107-2017, ORCID ID: 0000-0002-5851-9505, Scopus Author ID: 57485501900</p> <p>8. Delovarova Leila , doctor of Ph.D, h-index (Sopus): 2, ResearcherID: N-4809-2014, ORCID ID: <a href="http://orcid.org/0000-0003-3163-5933">http://orcid.org/0000-0003-3163-5933</a>, Scopus Author ID: 55858531800</p> <p>9. Baizakova Zhulduz, Candidate of Historic Sciences, h-index (Scopus): 1, Researcher ID: HMP-5265-2023, ORCID ID: <a href="https://orcid.org/0000-0001-7300-5425">https://orcid.org/0000-0001-7300-5425</a> Scopus author ID: 57211502966</p> <p>10. Sultanmuratov Nuriddin , doctor of Ph.D, ORCID ID: <a href="https://orcid.org/0000-0003-3711-4303">https://orcid.org/0000-0003-3711-4303</a>, Scopus author ID: 57217738322</p> <p>11. Abaidullayeva Madina, associate professor, h-index (Scopus) -1 h-index (WoS)-1, ResearcherID - ABD-1131-2020, ORCID ID: 0000-0003-2113-5281, Scopus Author ID: 56047746800</p> <p>12. Ussen Meruert, PhD doctoral student, Researcher ID: GOK-2431-2022, ORCID ID: 0000-0003-2597-5907</p> <p>13. Usserova Karlygash. PhD doctoral student, ResearcherID: GOJ-9498-2022, ORCID ID: <a href="https://orchid.org/0000-0001-8120-7545">https://orchid.org/0000-0001-8120-7545</a></p> <p>14. Arupova Azizam, докторант, ORCID ID: 0009-0005-2109-8347</p> <p>15. Kydyrbek Farangis, doctoral student, Web of Science ResearcherID: JLM-9704-2023, ResearchIDs: rid75139, ORCID ID: 0009-0003-3314-0341</p>
List of publications with links to them	<p><i>Articles in a peer-reviewed scientific publication included in 3 quartiles and having a Cite Score percentile in the Scopus database of at least 35:</i></p> <p>1) Abaidullayeva M.M., Arupov A.A Trade and Economic ‘Wars’ Between the USA and Russia, the Consequences for the Economy of Kazakhstan // Journal of World Trade. – 2023. - №57. - Issue 4. - P. 663-688 (percentile 67) (In English)  <a href="https://kluwerlawonline.com/journalarticle/Journal+of+World+Trade/57.4/TRAD2023026">https://kluwerlawonline.com/journalarticle/Journal+of+World+Trade/57.4/TRAD2023026</a></p> <p>2) Yerimpasheva A., Lipovka, A., Rakhimbekova, Z., &amp; Zakirova, A. // (2023). Women’s Participation in Political Leadership: Standpoints from Central Asia and Central Europe. Journal of Eastern European and Central Asian Research. – 2023. – T. 10. - №3. – P. 376–3386. (In English)  <a href="https://doi.org/http://dx.doi.org/10.15549/jeecar.v10i3.1179">https://doi.org/http://dx.doi.org/10.15549/jeecar.v10i3.1179</a> (percentile 45)</p> <p><i>Scientific articles in journals recommended by the CQASES MSHE RK</i></p> <p>1) Abaidullayeva M., Arupov A., Arupova A. etc. Study of the interrelationship and interdependence of the economies of Central Asia: the impact on the economy of Kazakhstan // <b>Bulletin of "Turan" University</b>". – 2023. -№3 (99). – P. 107-120 (In English)</p>

- 2) Augan M. Alipbayev A. Issues of competitiveness of the transport and logistics system of Kazakhstan // *Bulletin of KazNU. International Relations and International Law*. – 2023. – №3 (103) – P.24-30 (In English)
- 3) Baizakova K., Оракбаева У.М., Usen M. China's policy in Central Asia // **Bulletin of Ablai Khan KazUIR and WL. International relations and regional studies**. – 2023. - №3(53). – P.144-160 (In Russian)
- 4) Baizakova Zh., Usen M. et al. Border encounters between the neighbors in Central Asia: the case of Vorukh // *Bulletin of KazNU. International Relations and International Law*. – 2023. - №2 (102). – P.54-60 (In English)
- 5) Delovarova L. Prospects for the formation of a collective security system in Asia: a comparative analysis with the European security system. Opportunities for Kazakhstani diplomacy// *Bulletin of KazNU. International Relations and International Law*. – 2023. - №1 (101). – P. 4-15 (In English)
- 6) Delovarova L., Sultanmuratov N. Some theoretical and practical aspects of regional integration in Central Asia. Assessing the potential for economic cooperation // *Central Asia's Affairs // Quarterly Analytical Review*. – 2023. - №1 (89). – P. 32-42 (In English)
- 7) Delovarova L.F., Almanova B.K., Kiikbay M.K. Mechanisms and channels of international student migration of Kazakhstani youth // **Bulletin of Ablai Khan KazUIR and WL. International relations and regional studies**. – 2023. - №3(53). – P.18-29 (In English)
- 8) Yerimpasheva A. and other. Cross-Country Study of Central Asia and Central Europe: Gender Equality Issues // *Eurasian Journal of Economic and Business Studies*. – 2023. – T. 1. – №. 67. – P. 125-138 (In English)
- 9) Yerimpasheva A.T. et al. Comparative analysis of gender stereotypes in Central Asia and Central Europe // *Bulletin of «Turan» University*. 2023. № 1. P. 130–144 (In English)
- 10) Hor K.W.C., Kukeyeva F.T., Augan M.A., Kydyrbek F.A. Trends and challenges of energy diplomacy: a case study on Kazakhstan // *Bulletin of L.N. Gumilyov Eurasian National University*. – 2023. - №1 1(142). – P.104-119 (In English)

#### **Scientific articles in journals indexed by RSCI**

- 1) Kukeyeva F., Baizakova K., Usen M., Usserova K. Influence of new geopolitical conditions on multi-vector foreign policy of Kazakhstan // *Bulletin of the Karaganda University. History. Philosophy series*. – 2023. - №1(109). – P.94-109 (In Russian)
- 2) Makasheva K. and al. Regional Development in Central Asia: State, Challenges and Prospects // *Bulletin of the Karaganda University. History. Philosophy series*. – 2023. - № 1(109). – P.110-118 (In Russian)
- 3) Sultanmuratov N. On the issue of Kazakhstan's policy towards Afghanistan // *Russia and the World: Scientific Dialogue*. – 2023. – №. 2. – P. 94-106 (In Russian)
- 4) Delovarova L. Sultanmuratov N. Migration in Central Asian Countries in the context of EEU Integration and New International Realities // *DEMIS. Demographic Research*. – 2023. - Vol. 3. - №. 3. - P. 71–86 (In English)

#### *Monographs:*

- 1) Laumulin M. Eurasia between integration and confrontation. – Almaty, 2023. – 238 p. (In Russian)
- 2) Kukeyeva F., Baizakova K., Kydyrbek F. The leading role of Kazakhstan in Central Asia within the framework of the Chinese initiative "Belt and Road". – Алматы, 2023. – 142 p. (In Kazakh)

#### *Chapters in monographs Scopus database of foreign publishers:*

	<p>1) Baizakova K. Preventing threats of terrorism and religious extremism in Central Asia: the experience of European countries // The completion of Eurasia? – Lausanne, Bruxelles: Peter Lang, 2023. – P. 73-82 (In English)</p> <p>2) Kukeyeva F. Foreign policies in transition: Kazakhstan’s relations with Eurasian partners // The completion of Eurasia? – Lausanne, Bruxelles: Peter Lang, 2023. – P. 93-104 (In English)</p> <p>3) Makasheva K. The EAEU as practical implementation of the neo-Eurasian concept in post-soviet space // The completion of Eurasia? – Lausanne, Bruxelles: Peter Lang, 2023. – P. 373-384 (In English)</p> <p>4) Baizakova Zh. Central Asian connectivity to Eurasia through the prism of the Afghan conundrum // The completion of Eurasia? – Lausanne, Bruxelles: Peter Lang, 2023. – P. 457-468 (In English)</p> <p><i>Scientific articles in other publications</i></p> <p>1) Yerimpasheva A. et al. Internal and External Factors in the Development of Central Asian Economies // International Affairs. - 2023. - T. 97. - № 5-6. - P. 118–136 (In English)</p> <p>1) Usseva K., Delovarova L., Kukeyeva F. Intraregional Mutual Trade of Central Asian Countries as a Factor of Integration // International Affairs. - 2023. - T. 97. - № 5-6. - P. 100–117 (In English)</p> <p>2) Ussen M., Baizakova K. Regionalization in Central Asia: a Theoretical Aspect // International Affairs. - 2023. - T. 97. - № 5-6. - C. 44–56. (In English)</p>
Patents	<p>Author's certificate</p> <p>1) Yerimpasheva A.T., Lipovka A.V. The influence of gender stereotypes on career aspirations and the choice of STEM students in Kazakhstan. Work of science No. 37797 dated July 4, 2023</p> <p>2) Yerimpasheva A.T. Indicators for assessing integration in Central Asia (Target financing program - BR18574168). Work of science No. 37344 dated June 21, 2023</p>