

Brief information about the project

Name of the project	AP09259851 Development of a circular economy in Kazakhstan: potential, trends, prospects.
Relevance	In the era of global challenges, the traditional linear "take-make-waste" approach is giving way to a new development strategy – a circular economy. If a linear economy uses resources indefinitely to produce products that will be discarded after use, a circular economy, in contrast, follows the “reduce, reuse and recycle” model, encouraging the reuse of products and raw materials, and preventing the waste release into the environment as much as possible. The project theme corresponds to the state strategic objectives for the transition to a green economy and the achievement of sustainable development goals of the national economy.
Purpose	The project goal is a comprehensive analysis and study of the "circular economy" concept to develop recommendations for the effective implementation and dissemination of circularity principles at the macro, meso and micro levels in Kazakhstan.
Objectives	<ol style="list-style-type: none">1. Fundamental study of the theoretical and methodological foundations of the “circular economy” concept based on foreign and domestic scientific works.2. Studying foreign experience3. Comprehensive analysis of the current state and prospects for the development of circular economy in Kazakhstan using qualitative and quantitative research methods.4. Development of recommendations taking into account the features of the national economy5. Approbation of research results and their dissemination
Achieved results	<p>As a result of the project implementation, the following results were obtained:</p> <ol style="list-style-type: none">1. A fundamental study of the theoretical and methodological foundations of the circular economy was conducted based on foreign and domestic scientific works. A systematic literature review and bibliometric analysis were conducted using the Bibliometrix program.2. The foreign experience was studied based on the analysis of framework documents, strategic government and industry programs, and cases of 15 foreign countries using circular economy principles. The measures and practices taken to develop the circular economy are classified into three groups of countries.3. Methodological approaches to the study of the circular economy have been studied, and the main parameters for assessing the formation and development of the principles of sustainable development at the level of the country and industry sectors have been determined. A research design and tools for conducting empirical research have been developed.4. A comprehensive analysis of the current state and prospects for developing the circular economy in Kazakhstan was carried out. The study was conducted using qualitative and quantitative research methods. Many legislative and regulatory acts

	<p>accompanying the processes of the circular economy have been studied. An online survey of the population of the Republic of Kazakhstan was conducted, taking into account the socio-demographic characteristics of the respondents. An expert survey was conducted among representatives of business and industry, science and education, NGOs and international organizations that deal with the problems of green and sustainable development, ecology, and waste management in Kazakhstan. In the study of the characteristics of Kazakhstan's experience as a country with a developing economy, secondary data (statistics, reports, cases, etc.) were studied and an empirical assessment was carried out of the level of readiness of various parties for the formation and development of a circular economy in Kazakhstan.</p> <ol style="list-style-type: none"> 5. Using the synthetic control method, the potential level of household waste recycling in Kazakhstan was assessed in the event of the implementation of the Action Plan for the transition to a circular economy from 2015, along with the countries of the European Union. 6. A course program has been developed to teach the basics of the circular economy. A collection of business cases has been compiled to complement practical training. 7. A demo structure of an information platform for promoting the circular economy has been prepared. 8. Recommendations have been developed for the development of circularity at the macro, meso and micro levels.
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<p>List of publications with links to them</p>	<p>2021 <i>Publications in journals from the list of Committee for Quality Assurance in the Sphere of Science and Higher Education of the Ministry of Science and Higher Education of the Republic of Kazakhstan</i></p> <ol style="list-style-type: none"> 1. Temerbulatova Zh.S., Zhidebekkyzy A., Grabowska M. Assessment of the Effectiveness of the European Union Countries Transition to a Circular Economy: Data Envelopment Analysis. <i>Economics: the strategy and practice</i>. 2021;16(3):142-151. https://doi.org/10.51176/1997-9967-2021-3-142-151 2. Zhidebekkyzy A., Kalmakova D., Amangeldiyeva B. Implementation Of Circular Economy Principles Across Countries. <i>Central Asian Economic Review</i>. 2021;(6):43-62. https://doi.org/10.52821/2789-4401-2021-6-43-62 <p>2022 <i>Publications in journals indexed in the Scopus database</i></p> <ol style="list-style-type: none"> 1. Zhidebekkyzy, A., Temerbulatova, Z., & Bilan, Y. (2022). The Improvement Of The Waste Management System In Kazakhstan: Impact Evaluation. <i>Polish Journal of Management Studies</i>, 25(2), 423-439. doi:10.17512/pjms.2022.25.2.27 (Scopus Q2, процентиљ по CiteScore 2022 - 66) 2. Zhidebekkyzy, A., Moldabekova, A., Amangeldiyeva, B., Streimikis, J. (2022). Assessment of factors influencing pro-circular behavior of a population. <i>Economics & Sociology</i>, 15(3), 202–215. doi:10.14254/2071-789x.2022/15-3/12 (Scopus Q1, процентиљ по CiteScore 2022 - 90) <p><i>Publications in journals from the list of Committee for Quality Assurance in the Sphere of Science and Higher Education of the Ministry of Science and Higher Education of the Republic of Kazakhstan</i></p> <ol style="list-style-type: none"> 1. Zhidebekkyzy A., Kalmakova D., Bilan S. Mapping Circular Economy Phenomenon in Emerging Markets. <i>Economics: the strategy and practice</i>. 2022;17(2):17-39. https://doi.org/10.51176/1997-9967-2022-2-17-35 <p>2023 <i>Publications in journals indexed in the Scopus database</i></p> <ol style="list-style-type: none"> 1. Zhidebekkyzy, Aknur, Moldabekova, A., Amangeldiyeva, B., Šanova, P. (2023). Transition to a circular economy: Exploring stakeholder perspectives in Kazakhstan. <i>Journal Of International Studies</i>, 16(3), 144–158. doi:10.14254/2071-8330.2023/16-3/8 (Scopus Q1, процентиљ по CiteScore 2022 - 90) 2. Rozsa, Z., Zhidebekkyzy, A., Bilan, Y., & Drahosova, J. (2023). The impact of taxi drivers’ characteristics on the propensity to do business: Case study from a sharing economy. <i>Innovative Marketing</i>, 19(2), 170–183. doi:10.21511/im.19(2).2023.14 (Scopus Q2, процентиљ по CiteScore 2022 - 66)

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Patents	-



