

DOI: 10.18522/1997-2377-2025-140-1-17-23

UDC: 327.57:004.81

### **The geopolitics of energy from issues to solutions. Cognitive modeling of processes**

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*In the conducted research, the authors analyzed a problem area related to the geopolitics of energy. The paper examines the views of experts in energy and environmental economics in a number of countries on this issue. It is separately noted that the EU has an environmental regulation, and it is applied to both European and foreign production. The fact has been revealed that, despite the desire to abandon fossil fuels, oil and gas will remain dominant in the global energy balance and the energy world will continue to be consumed by the need to find these natural resources to meet growing global demand. The paper builds a cognitive model of "Energy Geopolitics" with the identification of new positive connections during cognitive modeling.*

**Keywords:** *geopolitics, climate instruments, mechanisms for the extraction of energy resources, global trade cooperation, environmental economics*

### References

1. Лапшина И.В., Алексеева А.В. Энергетический портфель современного мира в контексте изучения проблем изменения климата с позиции когнитивного подхода // Гуманитарные и социальные науки. 2024. Т. 102. № 1. С. 10-16. – URL: <http://hses-online.ru/2024/01/02.pdf> (дата обращения 10.05.2024).
2. Лапшина И.В., Першонкова Е.А. Рефлексивно управляемые кибервойны современности с позиции когнитивного моделирования // Инженерный вестник Дона. 2021. № 9. – URL: <https://www.ivdon.ru/ru/magazine/archive/n9y2021/7187> (дата обращения 10.05.2024).
3. Максимов В.И. Структурно-целевой анализ развития социально-экономических ситуаций // Автореф. дис. докт. техн. наук. М., 2002. 54 с.
4. Burciaga M. Press release from the University of California at Berkeley, September 12, 2022. – URL: <https://www.belfercenter.org/publication/new-study-examines-drivers-government-investment-energy-innovation> (дата обращения 10.05.2024).
5. Cunliffe K, and Hart D.M. Global Energy Innovation Index: a national contribution to the Global Innovation System in the field of Clean Energy / Information Technology and Innovation Foundation, 2019. – URL: [https://www.researchgate.net/publication/344633779\\_The\\_Global\\_Energy\\_Innovation\\_Index\\_National\\_Contributions\\_to\\_the\\_Global\\_Clean\\_Energy\\_Innovation\\_System](https://www.researchgate.net/publication/344633779_The_Global_Energy_Innovation_Index_National_Contributions_to_the_Global_Clean_Energy_Innovation_System) (дата обращения 03.05.2024).
6. Jessica S. Cassidy-Graham's restrictions on supplier taxes threaten government Medicaid programs. Center of Budget and Policy Priorities. September 21, 2017. – URL: <https://www.cbpp.org/blog/cassidy-grahams-restrictions-on-provider-taxes-threaten-state-medicaid-programs> (дата обращения 04.04.2024).
7. Jonas Meckling, Bentley B. Allan. The evolution of ideas in global climate policy // Nat Energy. 2020. Vol. 10. Pp. 434-438. – URL: <https://www.nature.com/articles/s41558-020-0739-7> (дата обращения 08.05.2024).
8. Meckling J., Galeazzi K., Shears E. et al. Financing energy innovation and institutions in leading economies. // Nat Energy. 2022. Vol. 7. Pp. 876-885. – URL: <https://doi.org/10.1038/s41560-022-01117-3> (дата обращения 08.05.2024).

9. Nuñez-Jimenez Alejandro, De Blasio Nicola. The Future of Renewable Hydrogen in the European Union. Report march 2022. - URL: [https://www.belfercenter.org/sites/default/files/files/publication/Report\\_EU%20Hydrogen\\_FINAL.pdf](https://www.belfercenter.org/sites/default/files/files/publication/Report_EU%20Hydrogen_FINAL.pdf) (дата обращения 10.05.2024).
10. Victor D.G., Gils F.V. and Sharp S. Accelerating the transition to low-carbon production: arguments for more decisive, targeted and coordinated international action (Brookings Institution, 2019).

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***January, 08 2025***

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