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STRATEGIC ASSIGNMENTS AND CONDITIONS OF ENVIRONMENTAL ECONOMIC VISIBILITY OF METALLURGICAL ENTERPRISES

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Abstract. The article reveals the concept of "environmental responsibility" and the criteria that characterize it. The current level of environmental responsibility in Ukraine is analyzed. It is necessary for ukrainian steel companies to increase environmental social responsibility in order to prevent negative impacts on the environment.

Keywords: environmental responsibility, environmental policy, corporate environmental responsibility.

The Paris Agreement of 2015 requires all countries to take comprehensive measures to reduce harmful emissions, which is a challenge for Ukrainian companies, including the metallurgical industry. Therefore, the task increasing the level of environmental responsibility is to increase competitiveness of Ukrainian enterprises and therefore is of strategic importance. Under conditions, Ukrainian such metallurgical companies face the related task of reducing emissions by increasing environmental responsibility.

Solving these problems requires a comprehensive understanding of the concept of "environmental responsibility", the formation of a systematic

mechanism of interaction between management and the environment, the development of effective measures to strengthen these processes at the enterprise level through the implementation of positive experience.

The purpose of the article is to study the strategic goals and conditions for the implementation of the concept of corporate environmental responsibility on the example of metallurgical enterprises.

The key issue of corporate responsibility in modern conditions is environmental responsibility. Increasing the level of environmental responsibility is a strategic task of the company and a strategic task of regional authorities and

the country as a whole. Companies and government officials have interpretations of environmental responsibility. For companies, the issue environmental responsibility traditionally not a priority, as it requires high costs and, consequently, reduces available profits. On the other hand, these issues are considered by society. Society is paying more and more attention to the environmental part of the responsibility because the aggravation of environmental problems has negatively affected people's living conditions, is the root cause of man-made disasters and climate change, which will negatively affect people in Ukraine.

Take, for example, one of the Ukrainian metallurgical companies PJSC "ArcelorMittal Kryvyi Rih" and consider of the features environmentally responsible management. ArcelorMittal is the largest foreign investor and leader in the Ukrainian metallurgical industry. ArcelorMittal Kryvyi Rih produces about 6 million tons of steel, more than 80% exported. The company is shining example the implementation of the principles of responsibility environmental by Ukrainian companies: the implemenplans technological for tation modernization and increased investment in environmental protection. On the other hand, ArcelorMittal Kryvyi Rih is the main polluter in the Dnipropetrovsk region. In 2019, the total emissions of enterprises amounted to 230,800 tons, and in 2018 - 208,200 tons.

Kryvyi Rih's ArcelorMittal main environmental goal for the future is to meet its environmental commitments and achieve environmental safety. The main tasks of the company are: reduction of greenhouse gas emissions, modernization of technologies, increasing the share of environmental investments in Therefore. the level investments. responsibility environmental is management decision of the enterprise itself, which is always formed on the contradiction of the between economic, social, and environmental interests. If economic and social goals prevail, the most important thing is to set and achieve environmental goals. In general, this is rather complex a management process, as ensuring environmental responsibility requires a lot of effort from the company, especially in the financial aspect, when the results are of social significance.

In modern conditions, according to the concept of sustainable development, there is an increase in the requirements for entrepreneurial activity, which results in economic activity and social development goals, especially in the field of ecology.

Increasing the level of environmental responsibility from the point of view of management is a complex process of transforming inputs - resources into a set of output elements - products, such an approach should be the basis of Ukrainian enterprises.

References

1. Iron and Steel Technology Roadmap Towards more sustainable steelmaking. (2020). International Energy Agency. Retrieved from:

https://iea.blob.core.windows.net/assets/eb0c8ec1-3665-4959-97d0-187ceca189a8/Iron_and_Steel_Technology_Roadmap.pdf

- 2. Zelena metalurhiia: chomu v Ukraini ne pratsiuie ni odyn finansovyi stymul dlia dekarbonizatsii promyslovosti [Green metallurgy: why financial incentives for decarbonisation of industry are not working in Ukraine]. epravda.com.ua. Retrieved from: https://www.epravda.com.ua/rus/projects/ekopromyslovist/2021/04/19/673017/ [in Ukrainian]
- 3. Defining Corporate Environmental Responsibility: CanadianENGO Perspectives (2005). Retrieved from: http://www.pollutionprobe.org/old_files/Reports/cerreport.pdf
- 4. Derii, Zh. V. & Zosymenko, T. I. (2016). Ekolohichna komponenta korporatyvnoi sotsialnoi vidpovidalnosti: svitovyi dosvid ta ukrainski realii [Ecological component of corporate social responsibility: world experience and Ukrainian realities]. *Aktualni problemy ekonomiky Current economic problems*, 11(185), 278-290. [in Ukrainian]
- 5. Kupalova, H. & Matviienko, T. (2012). Ekolohichna zvitnist pidpryiemstv yak skladova natsionalnoi informatsiinoi systemy z okhorony dovkillia[Environmental reporting of enterprises as a component of the national environmental information system]. Visnyk Kyivskoho natsionalnoho universytetu im. T. Shevchenka. Ser. Ekonomika Bulletin of Kyiv National University. T. Shevchenko. Ser. Economy, 142, 12-16. [in Ukrainian]
- 6. Dovha, T. (2012). Formuvannia ekolohichnoi zvitnosti smittepererobnykh pidpryemstv [Formation of ecological reporting of waste processing enterprises]. Visnyk Kyivskoho natsionalnoho universytetu im. T. Shevchenka. Ser. Ekonomika Bulletin of Kyiv National University. T. Shevchenko. Ser. Economy, 143, 50-53. [in Ukrainian]
- 7. Kamyshnykova, E. V. (2017). Analiz ekolohichnykh aspektiv korporatyvnoi sotsialnoi vidpovidalnosti v ob yednanniakh pidprysmstv Ukrainy[Analysis of environmental aspects of corporate social responsibility in associations of Ukrainian enterprises]. *Ekonomichnyi analiz Economic analysis*, 27, 4, 205-210. [in Ukrainian]
- 8. Chernousova, M. A. & Borema, A. S. (2014). Ekologicheskiy aspekt razvitiya korporativnoy sotsial'noy otvetstvennosti v usloviyakh globalizatsii mirovoy ekonomiki [The ecological aspect of the development of corporate social responsibility in the context of the globalization of the world economy]. *Problemy razvitiya vneineekonomicheskikh svyazey i privlechetiya inostrannykh investitsiy: remonal'nyy aspect Problems of development of non-economic relations and attraction of foreign investments: repair aspect*, 2, 415-420. [in Russian]
- 9. Bendas, S. V. (2017). Ekolohichna vidpovidalnist yak skladova sotsialnoi vidpovidalnosti[Environmental responsibility]. Aktualni problemy teorii ta praktyky menedzhmentu Current issues of management theory and practice, 38-39. Retrieved from: https://economics.opu.ua/files/science/men/2017/38.pdf [in Ukrainian]
- 10. Okhrimenko, O. O. & Ivanova, T. V. (2015). *Sotsialna vidpovidalnist [Social responsibility]*. Kyiv: Natsionalnyi tekhnichnyi universytet Ukrainy «Kyivskyi politekhnichnyi instytut». [in Ukrainian]

- 11. Ohorodnyk, V. (2015). Vplyv ekolohichnoho komponenta sotsialnoi vidpovidalnosti na ekonomiku krainy [The impact of the environmental component of social responsibility on the country's economy]. *Mykolaivskyi natsionalnyi universytet imeni V.O. Sukhomlynskoho Mykolayiv National University named after V.O. Sukhomlinsky*, 7, 612-616. [in Ukrainian]
- 12. Hrishnova, O. A. & Dumanska, V. P. (2011). Ekolohichnyi vektor sotsialnoi vidpovidalnosti[Ecological vector of social responsibility]. *Ekonomika i upravlinnia Economics and management*, 3, 32-38. [in Ukrainian]
- 13. Bobko, L. (2016). Suchasnyi stan ta perspektyvy rozvytku korporatyvnoi sotsialnoi vidpovidalnosti v Ukraini[Current state and prospects of corporate social responsibility in Ukraine]. *Efektyvnist derzhavnoho upravlinnia Efficiency of public administration*, 1/2 (46/47), 2, 41-47 [in Ukrainian]
- 14. Zinchenko, A. & Saprykina, M. (2017). *Rozvytok KSV v Ukraini: 2010-2018 [CSR development in Ukraine: 2010-2018]*. Kyiv: Vydavnytstvo «Yuston».
- 15. Mazurkevych, P.(2016). Korporatyvna ekolohichna vidpovidalnist: chy mozhlyva spilna systema KSV?[Corporate environmental responsibility: is a shared CSR system possible?]. Retrieved from: Siteresources.worldbank.org [in Ukrainian]
- 16. Freemen, R. E. (1984). *Strategic Management: A Stakeholder Approach*. Boston: Pitman Publishing.
- 17. Ohorodnyk, V.V. (2018). Vplyv ekolohichnoho komponenta sotsialnoi vidpovidalnosti na ekonomiku Ukrainy [The impact of the environmental component of social responsibility on the economy of Ukraine]. *Hlobalni ta natsionalni problemy ekonomiky Global and national economic problems*, 7, 612-616. [in Ukrainian]
- 18. Holtbrugge, D. & Dogl C. (2012). How International is Corporate Environmental Responsibility? A literature review. *Journal of International Management*, 18, 180–195
- 19. Shapoval, V.M. & Kovalenko, O.A. (2015). Funktsii ta elementy sotsialnoi vidpovidalnosti suchasnykh kompanii [Functions and elements of social responsibility of modern companies]. *Determinanty staloho rozvytku orhanizatsii v umovakh hlobalizatsii : zb. tez dopovidei I mizhnar. nauk.-prakt. internet-konf. Proceedings of the 1st Internation Scientific and Practical Conference: Determinants of sustainable development of organizations in the context of globalization.* (pp.158-160). Nats. hirn.un-t. D.: NHU. [in Ukrainian]
- 20. Ofitsiinyi sait Derzhavnoi sluzhby statystyky Ukrainy [Official site of the State Statistics Service of Ukraine]. Retrieved from: http://www.ukrstat.gov.ua/ [in Ukrainian]
- 21. Ofitsiinyi sait PAT «ArselorMittal Kryvyi Rih» [Official site of PJSC "ArcelorMittal Kryvyi Rih"]. ukraine.arcelormittal.com. Retrieved from: https://ukraine.arcelormittal.com/index.php?id=265 [in Ukrainian]
- 22. Ekolohichna vidpovidalnist: dosvid YeS ta mozhlyvosti dlia Ukrainy [Environmental responsibility: EU experience and opportunities for Ukraine]. civic-synergy.org.ua. Retrieved from: https://www.civic-synergy.org.ua/wp-content/uploads/2018/04/webenvironmental-liabilityua2018.pdf [in Ukrainian]

- 23. Kasych, A.O. & Didur, S.V. (2008). Strukturni kharakterystyky zovnishnoi torhivli Ukrainy [Structural characteristics of Ukraine's foreign trade]. *Aktualni problemy ekonomiky: naukovyi ekonomichnyi zhurnal Current problems of economics: scientific economic journal*, 1(79), 85–94. [in Ukrainian]
- 24. Smolennikov, D. O. (2013). Rol ekolohichnoi vidpovidalnosti biznesu na shliakhu do staloho rozvytku [The role of environmental responsibility of business on the path to sustainable development]. *Visnyk SumDU. Seriia Ekonomika Visnyk of Sumy State University. Economy series*, 4, 35-40. [in Ukrainian]
- 25. Holtbrugge, D. & Dogl, C. (2012). How international is corporate environmental responsibility? A literature review. *Journal of international management*, 18, 180-195.
- 26. Kasych, A. & Vochozka, M. (2018). Medothological support of the enterprise sustainable development management. *Marketynh i menedzhment innovatsii Marketing and innovation management*, 1, 371-381
- 27. Zvit pro stratehichnu ekolohichnu otsinku prohramy sotsialno-ekonomichnoho ta kulturnoho rozvytku Dnipropetrovskoi oblasti na 2021 rik [Report on the strategic environmental assessment of the program of socio-economic and cultural development of Dnipropetrovsk region for 2021]. adm.dp.gov.ua. Retrieved from: https://adm.dp.gov.ua/storage/app/media/uploaded-files/seo-zvit-social-ekonom-rozvitok-2020.pdf [in Ukrainian]