

## EXAMINATION OF SUSTAINABILITY PERFORMANCE OF ROMANIAN OIL AND GAS COMPANIES USING MULTICRITERIA DECISION ANALYSIS

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**Rezumat.** *Obiectivul lucrării este examinarea performanței sustenabilității principalelor companii din industria petrolului și gazelor prezente în România. Analiza a fost realizată folosind metoda deciziilor multicriteriale (MCDA), cu criterii de importanță egală. Companiile selectate au fost descrise și apoi analizate pe baza celor mai relevanți indicatori de sustenabilitate. Conform rezultatelor obținute, au fost identificate cele mai sustenabile companii, oferind o imagine de ansamblu semnificativă asupra dezvoltării durabile a industriei de petrol și gaze din România....*

**Abstract.** *The objective of the paper is the examination of the sustainability performance of the main companies in the oil and gas industry in Romania. The analysis was performed using the multicriteria decisions method (MCDA), with criteria of equal importance. The selected companies were described and then analyzed, based on their most relevant sustainability indicators. According to the results obtained, the most sustainable companies were identified, providing a significant overview of the sustainable development of the oil and gas industry in Romania.*

**Keywords:** sustainability; oil and gas industry; sustainable development; multicriteria decision analysis.

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### 1. Introduction

The first official definition of sustainable development can be found in the 1987 Brundtland Report of the World Commission on Environment and Development, entitled “Our Common Future”, and synthesized the concept as “the development that meets the needs of the present without compromising the ability of future generations to meet their own needs” [1].

The principle behind sustainable development is the continuing concern for the systematic integration of the three essential pillars on which it is based: the environmental, social and economic one. It is essential that in all aspects of decision-making over the generations, people, organizations and nations take into account their systemic correlation and inter-dependence [2]:

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