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CONTENTS

CONTENTS

THE CONCEPT, CLASSIFICATION, AND THEORIES OF THE USE OF ECONOMIC RESOURCES

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Abstract. The article systematizes the economic content, principal types, and theoretical foundations of the efficient use of economic resources. Economic resources are classified into natural, labor, capital, and entrepreneurial resources, while particular attention is also given to the growing importance of financial, information, and innovation resources in the modern economy. The study examines the relationship between resource scarcity and continuously growing human needs, as well as the concepts of opportunity cost, the production possibility frontier, and marginal productivity. It also substantiates the practical relevance of these theoretical approaches for small businesses in optimizing resource allocation, managing costs, and enhancing production efficiency. The findings may serve as a theoretical and methodological basis for the rational utilization of resources, the effective integration of information and innovation resources into economic processes, and the promotion of sustainable economic growth.

Keywords: economic resources, natural resources, labor, capital, entrepreneurship, resource scarcity, opportunity cost, production possibility frontier, marginal productivity, small business, innovation resources, information resources.

Аннотация. В статье систематизированы экономическое содержание, классификация и теоретические основы эффективного использования экономических ресурсов. Традиционные виды ресурсов — природные, трудовые, капитальные и предпринимательские — рассматриваются наряду с современными финансовыми, информационными и инновационными ресурсами. В исследовании рассматривается ограниченность ресурсов в условиях постоянно растущих потребностей, а также раскрываются понятия альтернативных издержек, границы производственных возможностей и предельной производительности. Обоснована практическая значимость данных теоретических подходов для субъектов малого бизнеса в части рационального распределения ресурсов, эффективного управления затратами и повышения производительности.

Ключевые слова: экономические ресурсы, природные ресурсы, труд, капитал, предпринимательство, ограниченность ресурсов, альтернативные издержки, граница производственных возможностей, предельная производительность, малый бизнес, инновационные ресурсы, информационные ресурсы.

INTRODUCTION

Economic resources represent a set of natural, material, financial, labor, and intellectual resources and capabilities utilized in the production of goods and services. Given that these resources are finite while human needs continue to grow, their appropriate selection, rational allocation, and efficient utilization constitute some of the central issues of economic theory [1; 2]. In the modern economy, the concept of economic resources extends beyond the traditional triad of land, labor, and capital and also encompasses information, financial, and innovation resources. In the context of digitalization, technological advancement, and the development of a knowledge-based economy, these resources have become increasingly important determinants of competitiveness [1; 3]. The purpose of this article is to systematize the main types of economic resources, analyze the theoretical approaches explaining the efficiency of their utilization, and demonstrate the practical relevance of these approaches through examples related to small business activities.

LITERATURE REVIEW

The theoretical foundations of economic resources have been extensively examined in classical and modern economic literature. Mankiw [2] and Samuelson and Nordhaus [4] emphasize that resource scarcity requires individuals and firms to make rational choices and consider opportunity costs. Greenlaw et al. [1] explain the role of the production possibility frontier in assessing the efficient allocation of limited resources. Pindyck and Rubinfeld [3], as well as Varian [5], focus on marginal productivity and demonstrate how changes in resource inputs influence production outcomes.

Contemporary approaches extend the traditional classification of land, labor, capital, and entrepreneurial ability by incorporating financial, information, and innovation resources. The reviewed studies indicate that the effective integration of these resources improves productivity, decision-making quality, and business competitiveness. However, their practical application in small businesses requires further consideration, particularly regarding optimal resource allocation, cost management, and the use of digital and innovative technologies.

RESEARCH METHODOLOGY

The study employed systematic analysis, comparative analysis, the abstract-logical approach, induction, and deduction. Contemporary economic literature concerning the classification and utilization of economic resources was reviewed. The concepts of resource scarcity, opportunity cost, and the production possibility frontier were examined within the framework of established theoretical approaches [1; 2; 5].

In addition, the relationship between the additional output generated by an incremental unit of resources and its corresponding value was analyzed using the marginal productivity approach. Illustrative cases related to the availability of time, financial resources, labor, and production capacity were considered in the context of small business activities.

ANALYSIS AND RESULTS

The study classified economic resources into traditional and modern categories. Within the traditional approach, natural resources, labor, capital, and entrepreneurial ability are regarded as the principal types of economic resources. Within the modern approach, financial, information, and innovation resources have gained particular importance. Natural resources include land, water, mineral resources, forests, air, and other natural assets. Labor resources encompass the physical and intellectual capabilities, skills, experience, and knowledge of individuals. Capital resources include equipment, buildings, technologies, and other means of production. Entrepreneurial ability is associated with the effective combination of resources, informed decision-making, the evaluation and management of risks, and the introduction of innovations.

In the modern economy, information resources contribute to improving the quality of economic decision-making through statistical data, digital databases, and IT infrastructure. Innovation resources enhance production efficiency and competitiveness through research, patents, know-how, and the application of new technologies [1; 3]. (Table 1).

Table 1.Main Types of Economic Resources[1]

Resource type	Description	Main examples
Natural resources	Resources provided by nature and used in production	Land, water, minerals, forests, air, oil
Labor resources	Physical and intellectual capabilities of people	Workers, specialists, engineers, researchers
Capital resources	Means of production created by people	Equipment, buildings, technologies, financial resources
Entrepreneurial ability	Ability to combine resources and assume risk	Entrepreneurs, managers, startup founders
Information resources	Information and digital infrastructure required for economic decisions	Statistical databases, digital data, IT systems
Innovation resources	Economic opportunities created through new knowledge and technologies	Patents, know-how, research outputs

1 author’s development

The main criterion for the efficient use of resources is not merely an increase in their quantity, but rather the achievement of higher economic returns from the resources already available. From this perspective, it is essential to ensure an optimal combination of resources, improve resource utilization, and enhance productivity through the effective application of technology and innovation. (Figure 1)

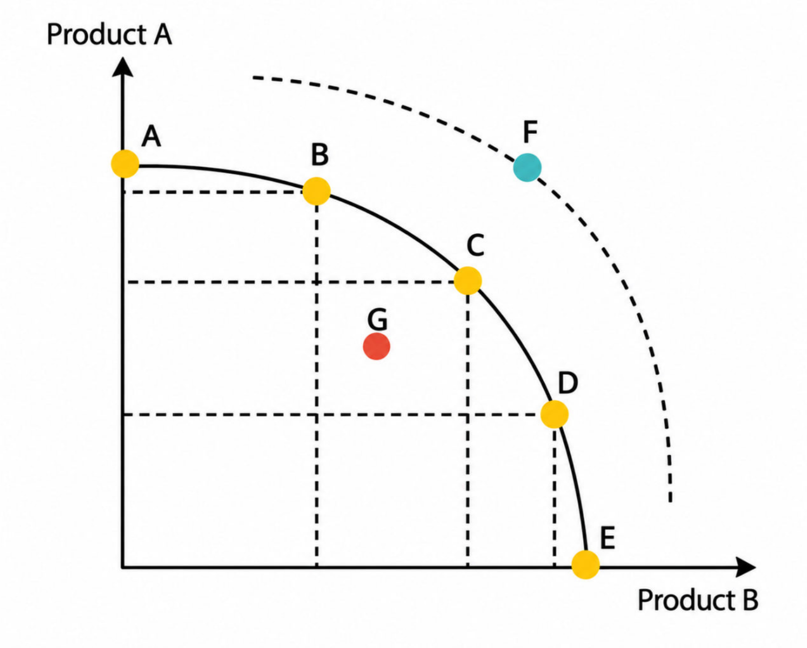

Figure 1. Production Possibility Frontier[2]

The production possibility frontier represents the maximum attainable combinations of two products when available resources are fully and efficiently utilized. Points located on the frontier indicate the efficient utilization of resources, while points within the frontier reflect the potential for fuller use of available resources. Points beyond the frontier represent production combinations that are not currently attainable given the existing volume of resources and the prevailing level of technology [1; 2].

Resource scarcity creates the need for economic choice. Allocating a resource to one particular use involves foregoing an alternative opportunity, which is reflected in the concept of opportunity cost. Therefore, efficient management decisions require resources to be allocated to activities that generate the highest potential return [2; 5].

The marginal approach makes it possible to assess the additional output generated by each additional unit of a resource. For example, in a small car-washing business, employing a third worker may significantly increase service capacity, whereas employing a fourth worker may generate a comparatively smaller increase in output due to the existing capacity of the workspace and equipment. This example illustrates the practical application of the law of diminishing marginal productivity [3; 5].

The importance of rational resource allocation is particularly evident in small businesses, where the availability of resources requires well-considered managerial choices. For example, an entrepreneur may need to choose between allocating available financial resources to advertising and investing in new equipment. Selecting one option involves foregoing the potential benefits associated with the alternative. Therefore, optimal resource allocation in small businesses is not only a theoretical consideration but also an important managerial requirement.

The analysis demonstrates that the expanding composition of resources in the modern economy creates new opportunities to enhance the competitiveness of firms and regions. In particular, the effective integration of information and innovation resources with traditional resources can contribute to faster and more informed decision-making, higher labor productivity, and improved product quality.

CONCLUSION AND RECOMMENDATIONS

The study systematized the concept and classification of economic resources in the context of contemporary economic conditions. While natural resources, labor, capital, and entrepreneurial ability

2 author's development

constitute the traditional foundation of economic processes, financial, information, and innovation resources are increasingly becoming essential components of the modern economic system.

In the context of resource scarcity, the key objective is not merely to continuously attract additional resources, but rather to ensure the efficient utilization of existing resources, optimize their allocation, and take marginal returns into account. The concepts of the production possibility frontier and marginal productivity provide important theoretical tools for evaluating the efficiency of this process.

In practice, particularly in small businesses, the availability and effective utilization of resources enhance the importance of well-informed managerial decisions. Therefore, priority should be given to evaluating opportunity costs, ensuring the effective utilization of production capacity, enhancing labor productivity, and integrating information and innovation resources into resource management processes.

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