

# DIGITALIZATION OF LAND RESOURCES MANAGEMENT - A FACTOR OF SUSTAINABLE DEVELOPMENT

Kubaev Djasur Abdumuminovich

PhD Student of the National Research University of TIKXMMI

Umurov Mirshodbek G'ani o'g'li

Student of the 3rd Stage of the National Research University of TIKXMMI

## Abstract:

The article talks about the management of land resources, which is one of the leading sectors of our country's economy, its digitization, development, and the results of efficiency achieved as a result.

## Keywords:

land, land plot, land resources, management, economy, land use, efficiency, information technology, digitalization.

Becoming a comprehensive trend that covers not only the direct information technology network, but also all areas of the country's economic activity. The formation and development of the digital economy is closely related to the development of information technologies in Uzbekistan and is characterized by the introduction and development indicators of modern information technologies, the scientific volume of the economy, as well as the share of the service sector in GDP. Today, the field of information and communication technologies is one of the main directions of ensuring economic growth of many countries based on the wide introduction of global innovations. This sector of the national economy is just being formed in many countries, but in developed countries it serves as a locomotive of economic growth. ICT is the main factor of increasing labor productivity and optimal use of all other resources, becoming important resources in the modern economy.

It is clear that there is a huge need for digitization in agriculture, especially in the issue of land resources management, as in all other fields in our country. In this regard, President Sh.Mirziyoev expressed the following thoughts and emphasized that this issue is a task that cannot be postponed: "Today, progress cannot be achieved in any field without the practical application of scientific achievements and innovative technologies. This puts us in front of urgent tasks such as training personnel with extensive and modern knowledge, improving their qualifications, and assimilating foreign experiences." [1]. It can be seen that the more quickly and qualitatively these works are carried out, the more effective results will be achieved in the land resources management system, which is the leading sector of the economy.

In addition, the head of state spoke about the importance of digitization of the agricultural sector, its advantages and future plans and said: "Without digitization, there will be no real statistics in the sector. Without the right information, agro-services will not develop,

farmers will not know when to plant and get more income. Therefore, this process should be accelerated" [1] .

At the same time, the task of completing 3 projects by the end of this year and 4 next year, complete digitalization of land accounting, allocation of subsidies, and monitoring of cultivated areas was set.

There are the following directions in the management of land resources:

- Political - is to ensure the fulfillment of social, political, economic and ecological tasks of the state on the rational use of land resources. Administrative management is determining the effectiveness of land resources management, organizing mutually agreed tasks and their implementation, forming the system of state administration and local bodies
- Legal - conservation and rational use of land on the basis of legal norms established in legal documents;
- Scientific - development of scientifically based recommendations on land resources management taking into account the achievements of science and technology development;
- Economic - from land resources efficient use conditions set ;
- Organizational and technological - economic, social interests and land resources age and their wise use according to measures done increase [2].

In each of the above directions, systematic work is being carried out in our republic today. However, the existence of unpleasant situations such as looting of land resources, cases of violations of land relations, bias in the realization of land plots, necessitates the need to accelerate digitalization in the field.

Land resources departments working with old, traditional methods and tools are no longer able to perform these tasks quickly. The need to speed up land creation and cadastre, project work requires a sharp reduction in the time from the time of obtaining the plan - map, land cadastre, normative and other data, their analysis and use in design, to the time of allocating land in places and issuing documents confirming ownership or use of land .

eat  
Geoinformation technology (GAT) occupies a key place in the digitized cadastral map. This method of creating a map is fundamentally different from the traditional method used. The advantage of maps made in this style is that they are almost error-free and show new additional information:

- ❖ Speed compared to the traditional method used;
- ❖ To compare of opportunity availability ;
- ❖ Economic advantage , time saving .

As a result of the creation of a unified information base on land resources, the management of the republic's land resources consists of soil, geobotonic, hydrogeological and other studies conducted on the land used for land cadastre and land monitoring, registration of land users, quantitative accounting of land, soil audit and land valuation. a central information system will be created.

land resource management is helping to achieve several breakthroughs in the field. In particular, the country's comprehensive land policy provides the opportunity to carry out the following activities:

- Include information on the quantitative and qualitative descriptions of land plots ;
- Conducting land accounting in a transparent manner ;
- Rapid registration of land ownership and land use ;
- Carrying out accurate and reliable soil inspection ;
- Control over land assessment , land use and legal regulation of land relations by state bodies ;
- Providing information to state bodies so that they can use methods of economic influence and stimulation.
- Accounting for real estate, compiling a register of properties and determining their locations and linking them to regions;
- Working on future and rapid development plans based on the main projects of land protection and use of cities and districts, some regional complexes;
- Study of the state of natural resources, ecological conditions of the area and ecological and economic evaluation of the environment.

In order to improve digital skills in the management of land resources while fulfilling the above priority tasks, first of all, it is necessary to increase and constantly improve the skills and qualifications of civil servants in the field of information technologies. In addition, it is necessary to take into account the skills of information literacy, computer literacy, positive attitude to technological innovations.

In conclusion, it can be said that the use of digital technologies in the management of land resources is not only for the development of the field, but also provides the opportunity to store information about the so-called national wealth, which is considered as a factor that determines the future of the country.

#### **LIST OF REFERENCES USED**

1. Sh. Mirziyoev. New Uzbekistan. Development strategy. T.: Uzbekistan, 2022.
2. Q. Rakhmanov, Sh. Narbaev, Z. Muqimov. Management of land resources. Study guide, T.: TIQXMMI, 2018.