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USE GAT WHEN CREATING A CARD

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Abstract: Today, geographic information systems are widely used in almost all sectors of the economy. In particular, in the creation of maps of historical and cultural sites, the creation of a database of the population, the study of sites of historical and cultural sites, their development. ArcGIS 9.3 is the ESRI program described above, which is being developed in several series as a generation.

Keywords: Visualization and design of maps, the following key features of Arcgis 9.3, creation of thematic maps

INTRODUCTION

Today, geographic information systems are widely used in almost all sectors of the economy. In particular, in the creation of maps of historical and cultural sites, the creation of a database of the population, the study of sites of historical and cultural sites, their development.

When creating maps of historical and cultural objects, it is also possible to create maps of historical and cultural objects using the Arc GIS 9.3 program. ArcGIS 9.3 is the ESRI program described above, which is being developed in several series as a generation. The first generation of Arc GIS 9.3 was created in 1993 as an addition to the Arc Info system, and the program is intended for the mass user. Arc GIS 9.3 is a very handy program for creating, analyzing and displaying cartographic data. The first and second versions of Arc GIS 9.3 were developed as the simplest and at the same time the most effective program for viewing and analyzing geographic data (objects and events) scattered over a certain area. The areas of application of this program are diverse: business and science, education and management, social sphere, demographic and political research, industrial production and ecology, transport and oil and gas industry, land use and cadastre and other areas.

With the release of the next generation of this program, the possibilities in it will also increase. For example, while the second generation has the ability to work with geographic spreadsheets, make decisions and enter statistical data in tabular form, the third generation is enriched with features such as spatial analysis and modeling. Currently, the 10th generation of Arc GIS 9.3 software is used in industry and production, and it is filled with more functions than the above, as well as increased processing speed [13].

Arcgis 9.3 is designed to perform the following main tasks:

- creation and editing of maps;
- visualization and design of maps;
- creation of thematic maps;
- Spatial-statistical analysis of geographic and schematic data;
- geocoding;
- work with the database;

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▪ Transfer of cartographic reports and conclusions to a printer or to graphic files.

Arc can be used to work with spatial data from GIS 9.3. The main feature of the program is the ease of launching in a tabular form, with a good understanding and analysis of files such as the database and data from the server database during their description and processing.

The easy-to-learn Arc GIS 9.3 program creates a user-friendly and user-friendly interface and is hidden no matter how many cartographic modifications are given. Operations are clear and simple, with the ability to work with basic data. To change the cartographic desktop, it is enough to have experience with basic data. The data window can be viewed in any number of different views: map window, lists, and graphs.

By displaying data in synchronous technology, you can open multiple windows with the same data at the same time, even if data changes in one window are automatically observed in other windows.

Working with raster data. The program you create is simple enough to run raster data and associate it with geographic projections. It is important that the user knows at least 4 coordinate points.

Data visualization. This mode allows the user to display data as a table in different views. For example, symbols, charts, colored areas and line features, and more can be viewed at scale.

When displaying data on a map, the user sees the map in the middle, not the data as numbers.

Geoinformation analysis tools. Arc GIS 9.3 provides the ability to create a buffer (projected) boundary in the program, form production objects, create and modify objects, edit graphics, and much more. The user has the

ability to create thematic maps, colorize and design geographical objects based on parameters, create thematic maps, design and store geographical objects based on coloring and parameters, create and save thematic maps [11].

Benefits of Arc GIS software. At present, a technology for creating high-resolution electronic digital maps is being introduced with the widespread use of space and aerial photographs in the creation of geographic information systems in various sectors of the economy, and existing electronic digital maps at a scale of 1:10,000 and 1:25,000 are being updated. In addition, digital maps created in various formats are converted to Arc GIS software formats.

The creation of digital maps for the purposes of land management and the state land cadastre, as well as for other purposes, plays a key role in the Arc GIS program. Benefits of ArcGIS:

✓ development of high-precision maps and plans for the purposes of the land cadastre, cadastre of buildings and structures;

✓ operational provision of landowners, land users and tenants with digital maps of various scales;

✓ the speed of the mapping process compared to other programs;

✓ availability of data comparability;

✓ creation of centralized geodatabases;

✓ ability to transfer maps directly to GPS and electronic taximeters;

✓ provision of interactive geoinformation services;

✓ economic benefit and time saving.

Electronic maps of the country's regions are available in the OASIS and PANORAMA programs [13].

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