
Anotacijos

Abstracts

Česnulevičius A. Evaluation of geodynamic processes: methodic aspects. *Geography. Scientific Journal*. 2001. Vol. 37(2).

The cartographic methods allow evaluation of the quantitative value, intensity and distribution of geomorphologic processes. The investigation embraced different landscapes of Lithuania. Erosion, deflation, fluvial, karst and organogenic processes are described.

References 18. Fig. 7 Table 1. Lithuanian, summary in English.

Keywords: geomorphologic processes, landscape, methods of investigation

Kilkus K. Peculiarities of the water balance structure of Lake Tauragnas. *Geography. Scientific Journal*. 2001. Vol. 37(2).

The author describes the methods and procedures how water outseepage from Lake Tauragnas could be estimated. Yearly water balances for the period 1956–1992 have been calculated. It was shown that the outseepage is a characteristic feature of Lake Tauragnas and makes about 62% of total water losses.

References 10. Figs. 7. Table 1. Lithuanian, summary in English.

Keywords: lake, water balance, outseepage

Jodinskaitė R. Problems concerning the definition of local bio-geographical territorial units. *Geography. Scientific Journal*. 2001. Vol. 37(2).

Three levels (abiotic, ecosystemical and anthropocosystemical) of a place of existence are proposed. Semantic relations between the term “habitat” (place of existence) and the smallest natural territorial units (such as biotope, ecotope, etc.) are discussed.

References 18. Fig. 5. Lithuanian, summary in English.

Keywords: habitat, the smallest natural territorial units

Darijus Veteikis. Elements of landscape technogenic morphostructure. *Geography. Scientific Journal*. 2001. Vol. 37(2).

The article deals with the expression of the technocomplex of a landscape in the territory. This expression is called landscape technogenic morphostructure. The article describes the main qualities of landscape technogenic morphostructure, distinguishes its elements: urbicomplexes, hydrocomplexes, communication lines, and transport. The main features of the elements of technogenic morphostructure are given.

References 36. Table 1. Lithuanian, summary in English.

Keywords: landscape technogenic morphostructure, urbicomplex, hydrocomplex, communication lines, transport

Kriauciūnas E. Geographical situation as a valuation factor of Lithuanian agrarian, forested and recreational territories. *Geography. Scientific Journal*. 2001. Vol. 37(2).

The article analyses the implications of geographical situation as a factor in the works of Lithuanian territory valuation. It is also a review of research works focused on evaluation of agrarian, forested and recreational territories – and legally adopted methods for fixing the prices of lands. The key index of geographical situation, significant for valuation of agrarian areas is location with respect to cities and roads. Implications of the geographical factor in forest valuation are not so obvious – the intrinsic quality of forested lands is emphasized. The major indices of geographical situation used in valuation works of recreational territories are distance from a water basin and from a city.

References 43. Lithuanian, summary in English.

Keywords: geographical location, evaluation of area

Dumliauskienė M. Expression of ecogeographical cognition of landscape structure in the Atlas of the Republic of Poland. *Geography. Scientific Journal*. 2001. Vol. 37(2).

The paper deals with the results of analysis of topical maps representing the ecogeographical aspect of Polish landscape. Also, a comparative analysis of the analogous aspect of the Atlas of Lithuanian Soviet Socialist Republic (1981) has been done.

ne. In Introduction, the Atlas of the Republic of Poland published in 1993–1997 is briefly introduced. The maps are analysed according to the following themes: representation of geodynamic processes, representation of geochemical processes, land use, representation of landscape cultural heritage. The study was done following a scheme: mapped phenomena and objects, as well as ways of their representation, completeness, indices and criteria applied, cohesiveness of the scale of colours, legibility.

References 5. Figs. 2. Lithuanian, summary in English.

Keywords: thematic cartography, landscape maps, cartography semiotics

Beconytė G. Requirements in thematic mapping. *Geography. Scientific Journal. 2001. Vol. 37(2).*

The article presents the main principles of requirement engineering in thematic cartography with examples of specific requirements and general classifications. It is not objectively possible to make an ideal cartographic product. However, a careful design is very important to ensure a better quality of the map in all senses. Therefore the stage of design should not only be separated, but deserves a special attention in thematic cartography. Requirement engineering is a necessary part of the whole information engineering in thematic cartography, especially for complex projects such as the National Atlas of Lithuania.

References 4. Fig 1. Tables 3. In English, summary in Lithuanian.

Keywords: cartography, thematic mapping, requirement, analysis, information

Skorupskas R. The conception of optimum landscape. *Geography. Scientific Journal. 2001. Vol. 37(2).*

The problem solved is how to find ways to form an optimal structure of a landscape, considering that two main components of it (nature and society) develop according to different principles. The factors influencing the conception are analyzed as well as some aspects of the development of such conception in Lithuania.

References 15. Figs. 2. Lithuanian, summary in English.

Keywords: optimal landscape, optimization, sustainable development

Ribokas G., Milius J. Transformation of agrarian land use in the 20th century in territories of complicated economic conditions. *Geography. Scientific Journal. 2001. Vol. 37(2).*

The article contains the results of land use conversion in the Utena region and Tauragnai economic unit since 1930. It also presents some prognoses of agrarian land use transformation.

References 9. Figs. 1. Lithuanian, summary in English.

Keywords: land use, land management, transformation, unproductive lands

Prapiestienė R. Green plantations and green areas within the urban functional structure. *Geography. Scientific Journal. 2001. Vol. 37(2).*

This article analyses the place of green plantations and green areas within the urban functional structure on the example of the Old Town of Vilnius. It considers the functions performed by green urban territories as well as the factors affecting their efficiency. The article addresses the key problems of green urban territories: inconsistency in terminology and concepts used in the works on planning, management, design, etc., and absence of their classification.

References 27. Lithuanian, summary in English.

Keywords: city, functional structure, green plantations, green areas, functions, classification, terminology, concepts

Vaitkevičienė J. Cartographical planning of the marine zone of Lithuanian responsibility in the Baltic Sea. *Geography. Scientific Journal. 2001. Vol. 37(2).*

The article deals with the problem of shortage of Lithuanian navigational charts. It is necessary to create a catalogue of national charts to ensure safe navigation. The catalogue will consist of navigational charts of various scale and purpose. The Survey of Lighthouses and Hydrography should take responsibility for this activity.

References 12. Table 2. Lithuanian, summary in Lithuanian.

Keywords: Baltic Sea, navigational charts, numeration of Lithuanian charts, Survey of Lighthouses and Hydrography