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## **ФУНКЦІОНАЛЬНА СПЕЦІАЛІЗАЦІЯ ПРИМІСЬКИХ СІЛЬСЬКИХ ПОСЕЛЕНЬ**

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## **FUNCTIONAL SPECIALIZATION OF SUBURB RURAL SETTLEMENTS**

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*Аннотація. Визначені перспективні типи приміських сільських поселень: поселення-супутник, рекреаційне та виробниче поселення. Запропоновано визначення функціонального типу приміського сільського поселення за методикою бальної оцінки території. Методика заснована на виділенні пріоритетних факторів та ресурсів території поселення, для їх оцінки та порівняння запропоновано систему балів. Визначені також пріоритетні фактори розвитку для кожного з функціональних типів поселень. Функціональний тип поселення визначається для трьох альтернативних варіантів розвитку. Варіант з максимальною кількістю балів приймається як пріоритетний для певного сільського поселення.*

*Ключові слова: функціонально-планувальна організація, приміська зона, приміські сільські поселення, поселення-супутники, рекреаційні поселення, виробничі поселення, пріоритетні фактори розвитку, бальна оцінка території, функціональна спеціалізація.*

*Abstract. Perspective types of suburb rural settlements: settlement-satellite, recreation settlement and production settlement were defined as a result of the conducted analysis. Perspective functional type of suburb rural settlement were recommended to define on the method of the point assessment. Method of the point assessment based on relief of foreground factors and resources of settlement's territory and the system of points was recommended for its estimate and comparison. Also foreground factors were defined for development each from the functional types of settlements. Functional type of settlement defines with the help of calculation of the point assessment of territory's foreground resources for three alternative variants of development.*

*Keywords: functional and planning organization, suburban zone, suburb rural settlements, settlements-satellites, recreation settlements, production settlements, foreground factors of development, functional specialization.*

**Introduction.** Reservation of network of settlements and providing its whole all-sufficient are the important principles of sustainable development's strategy. That's why exploration of principles of functional planning organization of suburb rural settlements (SRS) is actual. One of such principles is forming of functional specialization of suburb rural settlements. The analysis of modern conditions of SRS demonstrates that socioeconomic, demographic and other factors become fundamental reasons of gradual transformation of functional planning organization its settlements.

**Review of last sources and publication.** The problems of suburban zones in general were spotlighted by I.V. Rusanova [3]. The choice of a strategy of rural settlement development's, their differentiation and problems of architectural-planning reconstruction of central villages in the modern conditions were explored by Nagirny P.U. [2]. But criteria of definition functional specialization of SRS as a strategy of development are deficiently spotlighted in the existing studies.

**The basic material and results.** The analysis of the modern experience of projection and housing of suburb rural settlements in metropolis's zones of influence gives foundations for forming of certain types of functional specialization: settlements-satellites, recreation settlements, production settlements. The analysis of territory and structural parts of suburban zone as foundation of model of functional specialization of suburb rural settlements was

conducted for solution of the certain problem [1]. The aim of the given study are suburb rural settlements in zone of metropolis's influence with population at 250 – 400,000 that preconditions structural division of suburban zone on two belts. The first belt (inner) – 20 km and second (exterior) – 40 km from town centre. Circus zoning caused appropriately – 30 and 60 minute taking to zone of continuous migration movement to metropolis.

Recreation natural resources were explored for definition of natural area of recreation settlements on example of Poltava's suburban zones. Poltava's suburban zone occupies in conditional radial delineation the territory to 40 km from the town centre, there are 9 administrative regions of city completely or partly within. Recreation zoning of suburban zone's territory was recommended in the issue of this exploration.

The certain set of foreground factors having influenced on development of SRS was discovered with exploration. The thesis by Kuznetsova T.Yu.[2] about the “law of local harmony” confirms with it, that is: local natural, socioeconomic and historical cultural characteristics of territories preconditions limitations and perspectives for their development. We can evaluate it quantitatively, using point assessment. Point assessment of territory for structural comparative analysis was used in explorations of the authors [1, 2]. Point assessment of foreground factors of development the territory of SRS was recommended having judged from available resources which expressed quantitatively in accessible statistics [4]. It was estimated the territory of certain SRS and defined their foreground specialization on summary indexes rendered into accessible for comparison form in points (0-7). So, the existence and quantity of natural and recreation resources, lack of harmful industry, cubes of free housing and housing used seasonal, supply of land of summer residence or garden cooperatives etc. are important for the recreation settlements.

So estimation of territory SRS is conducted on natural factors: recreational and other factors on existence and quantity of natural resources. Existence of great cubes of seasonal housing space on the territory of SRS gives ground for over-grading its into recreation settlement, but free housing in little settlement with sustain depopulation – for over-grading it into summer residence settlement with the organization of appropriate infrastructure. Generalized scheme of choosing of functional specialization of suburb rural settlement was showed on fig.1.

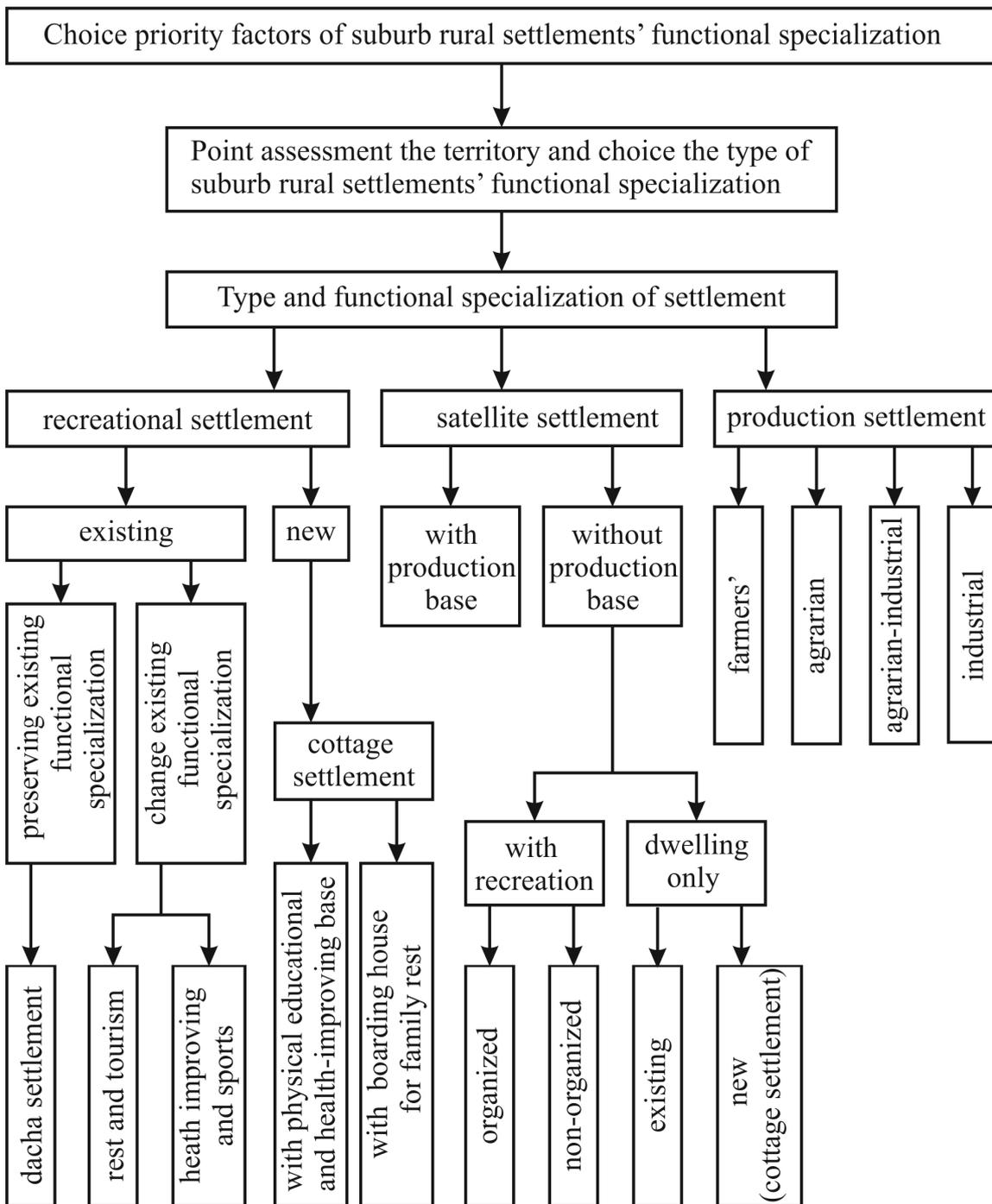


Fig.1. Scheme of choice suburban rural settlements' functional specialization

The extraordinary factors for forming of settlement-satellite are: distance to the metropolis (under 20 km), daily working migration ratio (under 30% from total of working), existence of free landed resources within settlement (over 10 ha) is important for organization of new housing. Other factors are foreground for forming of the production settlement and settlement-satellite. First of all there are labor resources, existence of landed resources and outfits stop functioning and also lack of objects of nature protection. The most important criterions for comparison of the alternative variants of development of functional

type of SRS were found with researching of the premises foreground factors and resources conducted for 148 SRS Poltava district (largely 1-st belt Poltava's suburban zone).

It is necessary to underline that two variants of calculation of point assessment the territory expedient to conduct only under condition of uncertainty of calculation (approximate or equal significance of point's amount), thus the variant with the minimum quantity of criterions is always foreground accordingly to the imaged below estimators.

**Conclusions.** The results of researching may be use in certain part with municipal administration of metropolises and project organizations at working out the projects of planning of suburb territories, rural settlements on their bounds and also rural settlements in general. The further direction of researching will address on working out the recommendations for gradual forming of recommended functional specialization on the basement of existing suburb rural settlements.

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