For determining the territories the Landscape esthetic and recreation evaluation through GIS-analysis and Perception

Neli Jamaspashvili, Nino Paichadze

e-mail: neli.jamaspashvili@tsu.ge

TSU, Faculty of Exact and Natural Sciences, Department of Geography,
Tbilisi, I. Chavchavdze Avenue # 3, II Corps

It is an effective tool for determining the territories of the GIS analysis and perceptions. GIS analysis includes an analysis of the data bank and GIS systems, the detection of significant viewpoints. Perceptions are very diverse and often subjective.

Landscape esthetic evaluation rate are closely related individual or social group of the Perceptions. Perceptions is very diverse and often subjective. We use the following criteria, which are is accepted landscape esthetic assessment. These criteria are the following:

1. The first criterion. Closed-open landscape. Closed so closed landscape means the such territory where a little visibility dots. Under the open landscape is meant the opposite such landscapes, from which visibility is high.

2. The second criterion is related to the domestic landscape diversity. The territory where the short distance of the various facies are found more highly evaluation takes esthetic, rather than territory where the one monotone facies prevails.

3. The third criterion is related to esthetic perfection. For example, it is understandable that forests consisting of high trees more esthetically pleasing than crooked (krummholz) is represented derivatives thereof.

These three indicators Landscape - esthetic assessment during is given three gradation scores points. Them are added to so called "copyright scores points", whose giving expert doing his opinion due. Thus, the landscape, which is the highest evaluation will have a gets 10 scores points (balls).

Landscape esthetic assessment of all landscapes are divided into 3 groups (criteria and methodology developed by N. Jamaspashvili, 1999, 2000, 2002, 2014 [a], [b], dissertation theme: The Protected Areas for selection geographical analysis (on example the central part of Small Caucasus and surrounding territories), 2002):

1. High 8-10 scores;
2. Average 4-7 scores;
3. Low below 3 scores

Landscape recreation assessment during referring receiving the following settings:

1. The existing resorts network and resorts these character and capacity character
2. Resorts creation potential possibility
3. Landscape esthetic evaluation.
4. The roads and trails existence
5. Cultural heritage or natural monuments existence and at their popularity.

Key words: perceptions, esthetic, recreation, evaluation, GIS- analysis