

**CHOSEN PROBLEMS IN ELABORATION OF MAPS
ELEMENTS CHANGES OF RURAL ENVIRONMENT IN TIME
/ON THE EXAMPLE OF FRAGMENT OF SUBURBAN REGION/**

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The paper presents problems connected with exploitation of cartographic information during the process of change examination of rural environment elements in time. Here, the basic information source are maps elaborated in different time profiles, specified by various map reliability.

The process of map of changes elaboration is composed of some stages, namely :

- gaining and transformation of data environment elements from successive maps,
- calculation of change indices of the examined elements in time,
- cartographic presentation of changes.

One of the most essential problems is the choice of such way of changes presentation, which would secure the information preciseness about changes , correlated with changes charakter, with source maps errors, errors during successive stages of map elaboration and with perceptive possibilities of maps users.

The paper presents problems connected with introduction of chosen linear and surface elements changes of the space in the part of suburban region in four time - profiles. For presentation of changes of chosen elements (forests, swamy lands. grass lands. water reservoirs. ditches. roads) some methods of cartographic presentation have been proposed.