

## **INFORMATION MAINTENANCE OF STRATIGRAPHY OF DEPOSIT ROCKS**

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Stratigraphical partition of a slit informs about a sequence and depths of a disposition of geological skew fields, about their thick-nesses, about tests, samples, manifestations and deposits of mineral wealths etc. It is a basis of construction or clarification of maps, slits, structures. The information support of a stratigraphical partition and connected with it identification of memberships is important aspect in geological computer modeling. The authors created a computer system stratigraphical partition of a slit. Its body is the volumetric model of a deposit basin represented in the full list of stratigraphical taxons of general, regional, local scales (including productive layers) and zones of their localization. The model includes layerwise installed correspondences between taxons of a various rank leaning upon elementary quasi-stratums. From their set it can be assembled any stratigraphical subdivision for any point of basin. The system ensures automated creation of an analytical model of a slit noted by a unique name, coordinates, depths and absolute marks, dating of all kinds of researches, in-tervals of a sampling, tests. Also the system provides statistical processing of materials, creation of a design slit for any point of basin, maintenance of procedures of a partition of a slit in an in-teractive mode. The system is realized for a deposit cover of the Siberian platform.