

THE METALLOGENIC EVALUATION OF TERRITORIES WITH USE OF COMPUTER TECHNOLOGY GIS PARK

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Computer, Technology PARK (the developer is LANEKO Ltd.) unites four interdependence stages: input and creation of initial fundamental and cartographic data bases on territory of the forecasting; analysis and formation of predictive-search models for all taxonomic number of search objects; predictive-metallogenic construction of cards-hypotheses of each variant of a solution; evaluate of potential ore resources by several methods. Application of the development technology for state geological mapping at scale 1:200000 has allowed to reconsider the regularities of gold, copper, polymetals deposits in Far East, Siberia, Altai and other territories of Russia. The basis of technologies is served with an original PARK software representing integrated system. The modules of it provide a new information as a result of interpretation of qualitative and quantitative geological, geophysical, remote sensing, geochemical data; optimization of solutions by quantitative criteria of quality; use of automatically formed and expert models of predictive ore objects.