

## **RIFT STRUCTURES OF THE EAST EUROPE PLATFORM AND THEIR CONNECTION WITH A DEEP GEOLOGICAL FEATURE OF THE FOUNDATION**

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The modern aeromagnetic survey of a scale 1:50 000 were investigated territories located near some avlakogenes (rifts) of the East Europe platform. At interpretation of the obtained data among other problems the geological and tectonic framework of the crystalline foundation of a platform and pattern of a relief of his its surface was investigated. The geological and tectonic framework of the studied territories is determined by presence in their limits of three main tectonic members: archean granite areas skirting them, also archean, greenstone belts and rather younger linear plaited belts. On a background of main patterns of the crystalline basis Late Proterozoic rift patterns take usually rather clear tectonic stand. So Moscow avlacogene, clearly coincides in internal frontier area early Proterozoic of a linear plaited belt, being tracked along its tectonic boundary about granite - greenstone belts by area. The structural stand Gjatsk - Sergiev-Posad avlakogene. A similar structural stand there is a studied area of locking, Kazan-Kagim avlakogen. However splitting of a unified body of pattern on separate grabens and horsts in the latter case is marked, the boundaries between which one also will well be agreed geologic patterns early Proterozoic plaited area. For Pachelm avlacogene, diverse structural stand is marked. Its studied part relating area of a pinching out of pattern, clearly coincides an axial zone large anticlinal of the plaited form inside archean granite - greenstone belts area. The different structural stand listed rifts is possible, that, as well as their different spatial alignment testify to distinctions in the gear and time of their formation. A consequent to this can be different age of sedimentary formations, filling in these pattern, and different outlooks for oil and gas perspective.