DEEP-SEATED GEODYNAMICS AND POSITION OF MAJOR URANIUM-ORE NODES OF SOUTH-EAST RUSSIA

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Hundreds of uranium occurrences, tens of uranium deposits, and a significant number of nodes and areas of their concentration, including rather large ones, have been discovered in the region. They include Elkonsky (South Yakutiya) and Streltsovsky (Trans-Baikal area) uranium-ore nodes. The use of the recent seismotomography data in the analysis of the regularities of both region locations made it possible to show that they occur above the frontal zone of the stagnated oceanic slab, which is located in the mantle transitional zone.

A combined projection of the oceanic slab boundaries with the position of the sited major uranium-ore objects give evidence for a probable influence of the deep-seated geodynamics on their origination.

Keywords: uranium-ore districts, nodes, deposits, deep-seated geodynamics.