Deposits of Rich and Technological Uranium Ores – the Basic Reserve of Developing Mineral Raw Materials' Potential of Russian Atomic Industry.

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In the interior part of the earth of Russia besides the explored reserves large prognosis resources of uranium have been determined Their realization can radically change the quantitative and above all qualitative structure of uranium raw materials base by revealing and drawing in exploitation new deposits with especially high grade of ores or highly economic technological characteristics.

There are geotectonic and metallogenic preconditions of exposure of the ancient deposits of "unconformity type" in Karelo-Kolsky, South-Yakutsky and other regions of Russia. Here on the Proterozoic substratum beneficiated by uranium Grenvil tectonic and magmatic activation is very intensive and whole series of uranium shows are bound up with it. They possess complex of specific geologic-and-structural, formational and mineralogical-and-geochemical characteristic properties that put them in the united genetic row with Canadian and Australian deposits. In the Western and Eastern Siberia regions infiltrational uranium deposits are found. They are connected with Mesozoic and younger palleovalleys and possess quite a number of geological-and-genetic characteristic features. There are preconditions for exposure deposits of this type and large layer-like-and infiltrational uranium deposits in the platform complexes. These perspectives of uranium base development of the Russian territory are based on the future predicting and prospecting works.