

Komi Science Centre RAS

Komi Science Centre RAS' research prospects are related primarily to the Arctic vector, which requires modernization of mineral and bioresource industries' technologies, enhancement of ethno-cultural and ecological issues in Russia and in the world community. The Centre participated actively in the discovery and exploration of such large mineral provinces as Kansk-Timan (bauxite and diamonds), Timan-Pechora (coal, oil, gas), Polar-Ural (barites, chromium, manganese, quartz).

The Centre created a forecast map of possible earthquakes' maximum magnitudes in the region; found a new type of potentially industrial phosphates in the Polar Cisurals. In the framework of soils research, the detailed description of soils, flora and fauna of the tundra, forest-tundra and taiga were gathered and systematized with distinction of their geobiocoenosis and metabolism characteristics.

The Centre works on evaluation of medical and physiological human potential in difficult and extreme climatic conditions; defines objects of natural and cultural heritage, which preservation is one of the main conditions for the further development of Arctic and Northern societies. The role of the North and the Arctic in the global and national economy is highly estimated in this research.

Achievements in basic and applied research are hard to imagine without integration with the global science. In this connection, Komi Science Centre pays special attention to development of international cooperation, basically through links with scientific organizations in circumpolar states. Centre's international projects are being implemented in various fields of science with 36 foreign organizations.

It should be noted that the main feature of scientific contacts between the Komi Centre and European partners is focused on its stability and attention to basic research despite the fluctuations in the global market environment. The presence of close scientific schools, similarities in research approaches contribute to the partnership development.

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