The Role of Fundamental Science in Ensuring the Russian Federation Defense and Security

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key words

fundamental science, fundamental, predictive and exploratory research, scientific reserve, ensuring the defense and security of the state

We conducted a retrospective analysis of the fundamental science contribution to the defense and security of the Russian Federation. We have showed the stages of formation of the defense organization system of fundamental, forecasting and exploratory research, as well as highlighted some problems. Unfortunately, today the funding for such studies in the framework of state programs is carried out on a residual basis. This leads to the use of a defense scientific backlog for filling holes in the most problematic areas of the development of weapons and military equipment, and the long-term development of promising and unconventional samples from a systemic point of view is not actually considered. We hope that the potential of domestic fundamental science in the interests of defense and ensuring security will be in demand, that will allow Russia to have the most modern weapons and military hardware, not inferior to or even superior to foreign analogues.

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