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Complex for mega-science data modeling and processing

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The review of current status and the Program for future developments of data intensive high performance/high throughput computing complex for mega-science in NRC "Kurchatov Institute", supporting the Priority scientific task "Development of mathematical models, algorithms and software for systems with extramassive parallelism for pilot science and technical areas"is presented. Major upgrades to GRID, HPC and telco infrastructure and its integration under data-intensive computing paradigm are described.

Keywords: high performance computing, high throughput computing, distributed storage systems, distributed computing, grid.

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