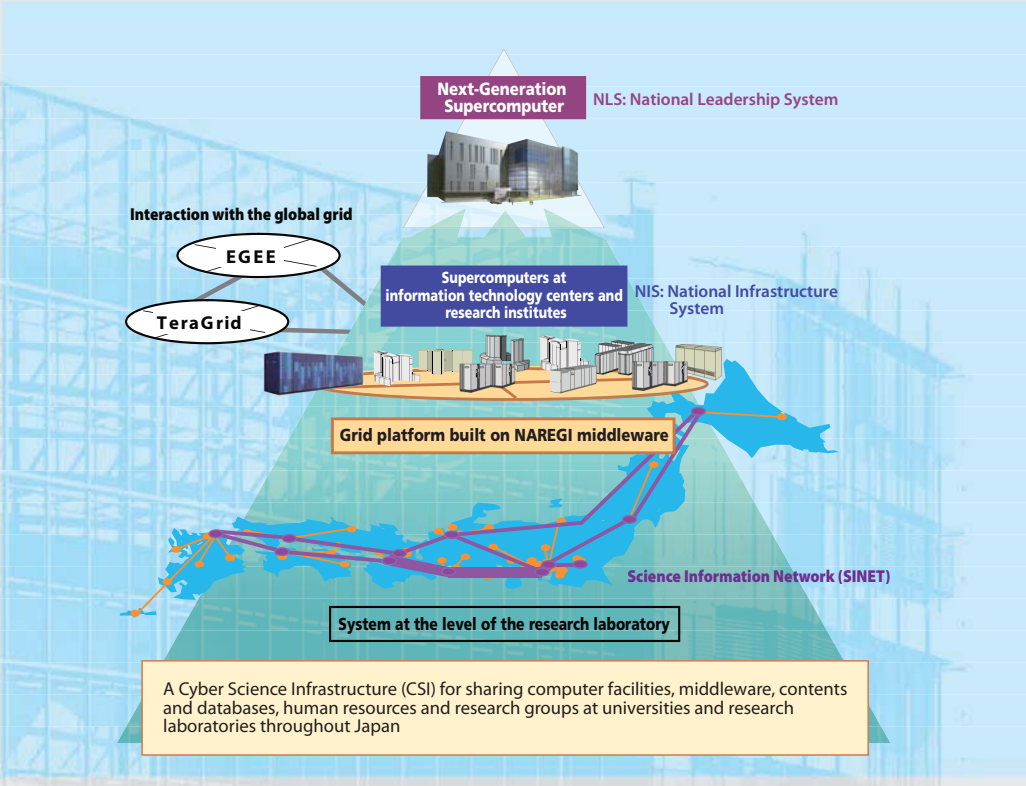
Applications of the Next-Generation Supercomputer via the Science Information Network

The Science Information Network (SINET3) is an ultra-high-speed network built and operated by the National Institute of Informatics, centered around the Cyber Science Infrastructure (CSI).

Once the Next-Generation Supercomputer is connected to this network in early FY 2012, RIKEN will begin offering an advanced remote-use environment for grid computing using NAREGI middleware. This connection will enable the nationwide National Infrastructure System (NIS) to work together with systems at the level of research labs, making available common-use facilities capable of responding to the various demands of its users.



Preparation for shared use of facilities

The Next-Generation Supercomputer will be a legally designated Specific Advanced Large Research Facility available to scientists and engineers throughout Japan. RIKEN will make use of its experience in running SPring-8 (Harima Science Garden City, Hyogo Prefecture), the large synchrotron radiation facility, to set up an efficient system for organizing the use of the supercomputer.