

Future issues and expected role of HPC to solve them for risk management for earthquake and tsunami disaster

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In risk management, it is necessary to prepare the organization that performs the following processes: risk assesment -> strategic planning -> construction of a standard emergency response system -> training. In Japan, for earthquake and tsunami disaster mitigation, it is constructed based on Disaster Countermeasures Basic Act. The important point is that it does not finish only with risk assesment but even construction of the system for making the strategy of how to response the risk. We will introduce the present condition of the organization and its future problems in the comming 10 - 20 years and also argue about the expected roles of next-generation HPC.