The main goal of the SEISM project is to advance and integrate scientific software elements developed by SCEC into a sustainable software environment for integrated seismic modeling (SEISM) as a software ecosystem for physics-based seismic hazard analysis (SHA).

The SEISM software ecosystem includes a collection of seismic hazard analysis software used by earthquake scientists, engineers, and risk managers to create the simulation-based products needed to improve SHA. The SEISM software provides the earthquake modeling community with high-performance computational tools that include model formulation, verification, prediction and validation, within a sustainable software engineering framework.

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