Contribution ID: **153**   Type: **Demonstration**

Disaster Mitigation on Earthquake in EUAsiaGrid

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EUAsiaGrid Booth

Project(s) or EGEE activity presenting the demo or poster (project or activity names only)

EUAsiaGrid Project

Special requirements other than the set up mentioned in the CfA text.

Abstract

Earthquake was chose to be the target based on partners'common interest, impacts of casualty and economic loss, regional collaboration in place, domain knowledge and community engagement, and also the technology maturity for gLite. Disaster mitigation lies on accurate risk estimation and then effective mitigation plan could be devised accordingly. Even though global model is available in terms of computing system and data, regional model is necessary for much accurate impact analysis. Moreover, historical data, seismic wave propagation analysis model and also the alleviation strategy have to be taken into account altogether. Though earthquake is still not predictable, in aid of accurate wave propagation analysis, potential hazards could be scrutinized beforehand with designated hypocenter and parameters. A synergetic lifecycle from data collection and management, analysis, mitigation assessment and understanding the sciences could be enforced.

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