ID: Type: **Poster**

T1.5-P16. Development and application of a web-based spatio-temporal database platform for a early warning system - From field monitoring and data storage to database management and local spatial analysis to data visualization

The fast growing of web-based development and technology for sharing geodata and dissemination of geospatial information has turn in helping decision making to manage natural hazard. Not only in natural hazard, web-based provide a platform for integrating geography information system with other businesses in the area of location based and traffic optimization. On the other hand, early warning system allow the monitoring of the environment and ultimately form an important basis for the protection of livelihoods, adequate risk management and the reduction of negative consequences related to catastrophic slope failures. However, before a warning can be issued, reliable data acquisition, a profound analysis and an optimized visualization have to be implemented. From this basic principle of early warning, the research work would focus on four methodologies – monitoring, database, analysis and visualization. And the application would be tested for nuclear power station.

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