



## **The role of SWE for interoperability in GITEWS**

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The German Indonesian Tsunami Early Warning System Project (GITEWS) will provide early warnings to protect the people of Indonesia from the effects of Tsunamis.

This presentation focuses on interoperability as the crucial concept for the system and software architecture development within the project.

The implemented warning system must integrate heterogeneous data of several independent sensor systems and also networks. Both domain specific measurements and inferred observations are joined and are provided to a Decision Support System (DSS) in a uniform manner. That data is used in a Early Warning and Mitigation Centre, where human experts monitor and assess potentially tsunamogenic phenomena.

The Sensor Web Enablement (SWE) approach is used to ensure the required interoperability of sensor systems and also knowledge domains.