



## **Current status of GITEWS - The German-Indonesian Tsunami Early Warning System**

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GITEWS aims for the implementation of an effective Tsunami Early Warning System for the Indian Ocean, mainly off-coast Indonesia. It's strongly connected to IOC/IOTWS activities in the region. The system integrates terrestrial observation networks of seismology und geodesy with marine measurement techniques and satellite observations. The Early Warning System for the Indian Ocean consists of different sensor components as broadband seismometers, GPS, tide gauges, ocean-bottom pressure sensors and GPS-buoys. A warning will be generated on the basis of registered data and modelling results. Required R&D work will be realized within the next 3 years.

The GITEWS consortium of institutes from the Helmholtz Association of German Research Centres and other German institutes integrates most of the national competencies in the field of earth and marine sciences. The project is lead by the GeoForschungsZentrum Potsdam and funded by the German Federal Ministry of Education & Research.

This presentation gives a status report on the technical realization of the Early Warning System and its design.