

Project Summary

Aim of the BMBF financed measure was the implementation of an effective Tsunami Early-Warning System (TEWS) for the Indian Ocean. The draft focuses on Indonesia. The effectiveness is thereby measured by the receipt of clear warning messages for the potentially affected population.

The sustainable use and the securing of the above mentioned function of the TEWS depends next to the establishment on the technological bases (earthquake recognition, instrumentations of the oceans, modelling and earth observation data) very substantially on the institutional and personnel capacities on the nationwide implementation / use in Indonesia.

The capacities necessary for the effective implementation comprise next to the technical knowledge of earthquake recognition, modelling and data management in information centres the ability to translate scientific data into clear warning messages, decision bases, decision facilities and action directives as well as to transmit them over the responsible authorities to the population in appropriate time (warning and reaction chain).

In the framework of the TEWS, a project group consisting of GTZ, InWEnt, BGR, DLR, GFZ and UNU-EHS evaluated the necessary actions for development and advancement of these capacities and elaborated a proposal for the implementation. The existing needs have been discussed and elaborated with important Indonesian players under the direction of the GTZ and under participation of BGR, InWEnt and UNU-EHS.

Three final results of the capacity building within the TEWS are agreed:

1. Higher level education programs and technical training programs are established to provide critical mass required to operate and maintain the system and to upgrade it in the future.
2. Organizational Structure and Inter institutional communication is established.
3. Warning and disaster preparations mechanisms are developed on the basis of up to 3 pilot areas.

Services Provided

- Concept development
- Planning and implementation of human resource development training courses and study tours in the field of Disaster Risk Management, Sustainable Development and Spatial Environmental Planning

Indonesia

Capacity Building for the German-Indonesian Tsunami Early Warning System

Client

Capacity Building International (InWEnt)

Duration

08/2005 - 10/2005

Personnel

- 2 international STE

