

Results Report

	Organization	Project Title	Budget (US\$)
TTF-02	Asian Disaster Preparedness Center (ADPC)	End-to-end early warning of tsunamis and other natural hazards for disaster preparedness and mitigation in the Indian Ocean and Southeast Asia: Phase 1.	2,899,943
Target Countries	Bangladesh, Cambodia, Lao PDR, Maldives, Myanmar, Philippines, Sri Lanka, Thailand and Viet Nam		
Summary	<p>The project aims to establish an end-to-end multi-hazard early warning system in the Indian Ocean and Southeast Asia to enable national focal points for tsunami early warning to issue timely tsunami warnings, enhance national emergency response capacities, and improve disaster preparedness and mitigation in the Indian Ocean and Southeast Asia.</p> <p>Expected outcomes are:</p> <ol style="list-style-type: none"> 1) A network of three real-time broadband seismic stations in Myanmar, Philippines and Vietnam is established and operational, providing data to the region and globally; 2) Regional facility is established at ADPC and operational, with capabilities to receive and process seismic, sea level and deep ocean sensor data, evaluate data to assess tsunamigenic potential, and prepare and disseminate tsunami watch to participating countries; 3) US-IOTWS tools and best practices, shared and adapted to select participating countries, and national focal points for warning, national disaster management organizations and local institutions are trained in tool application. 		
Final results	<p><u>Regional Facility and Seismic Network</u></p> <ul style="list-style-type: none"> • Seismic stations have been established in the Philippines and Vietnam at these locations: <ul style="list-style-type: none"> - Santa, Ilocos Sur, Philippines - Dalat, South Vietnam - Son La, North Vietnam - Sittwe, Myanmar • The Regional Early Warning Centre was reviewed by a meeting of its Regional Technical Commission in November 2009, which found it was almost technically ready for ICG/IOTWS Service Level 1 operation for tsunami watch provision. Experimental operations have started on 1 April 2010. • RIMES assumed institutional ownership and financial responsibility for the regional early warning centre on 1 January 2010. ADPC and RIMES have signed a Memorandum of Understanding on 22 April 2010. <p><u>Capacity building of national institutions and communities</u></p> <ul style="list-style-type: none"> - CONOPS (Concept of Operations) documents in Maldives and Myanmar have been finalized. In Sri Lanka Standard Operating Procedures (SOPs) for Trincomalee District were tested during a simulation exercise and finalized. - TARNS (Tsunami Alert Rapid Notification System) documents were prepared in Sri Lanka, Maldives and Myanmar, detailing the warning dissemination procedure at national and local levels, including technology and hardware used. The local level warning dissemination systems were tested during simulation exercises in Sri Lanka and Maldives and the TARNS documents were finalized incorporating lessons learned. - Training courses on Incident Command System (ICS) were organized in the Maldives and Myanmar. ICS was adapted for both countries taking into consideration existing institutional arrangements for emergency response and disaster management. - Coastal Community Resilience (CCR) was introduced in the Maldives, Myanmar, and Sri Lanka. In Maldives and Sri Lanka, CCR assessments were conducted, identifying priority risk reduction measures in the target communities. Both in Maldives and Sri Lanka a simulation exercise was conducted. In Myanmar a training workshop on CCR assessment was held. 		
Date of completion	30 June 2010		

August 2010