Progress of ICT
Development for Development
18th June 2015

Tonga Multi Disaster Early Warning System

"APT Pilot Project for e-disaster communication network in rural island environment"

Presented by: Stan Ahio

Ministry of Meteorology, Environment, Information, Disaster Management, Energy, Climate Change and Communications



Outlines



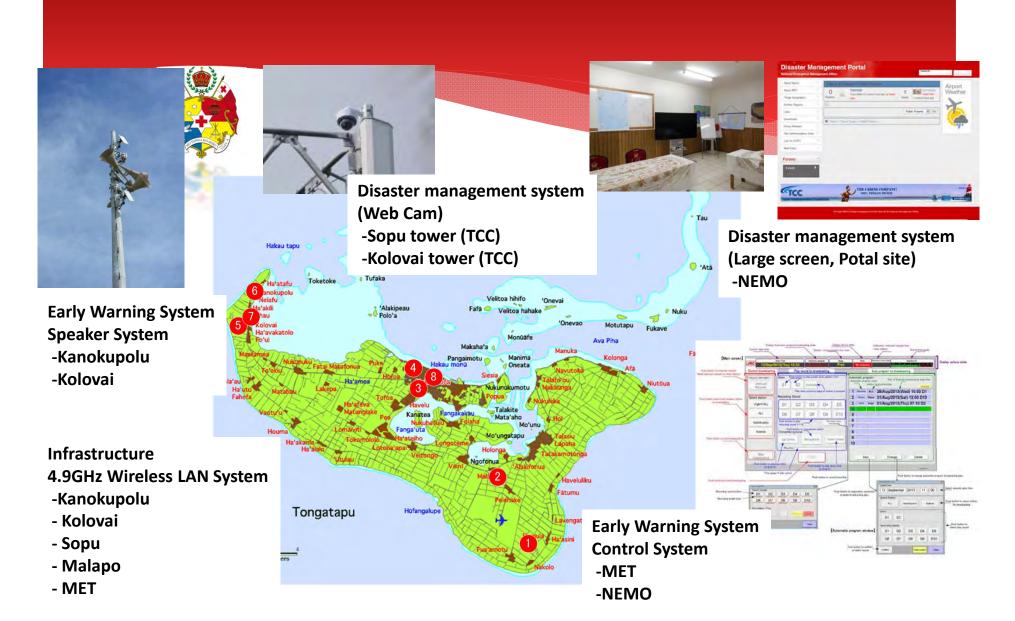
- Objectives of the project
- Project output
- Project Sites
- Partner organizations
- Project schedule
- Network Configuration
- Evaluation

Objectives of the project



- Introduce a broadband IP radio network and OFC as e-disaster communication infrastructure of the pilot system
- Introduce multi-purpose Early Warning System using loud speakers for securing information dissemination to the residence in vulnerable area.
- Establish Disaster Information System (DIS) which supports Disaster Management activities.
- Implement experiments on ambitious technologies to find feasibilities in South Pacific environment as research activities.





Project output

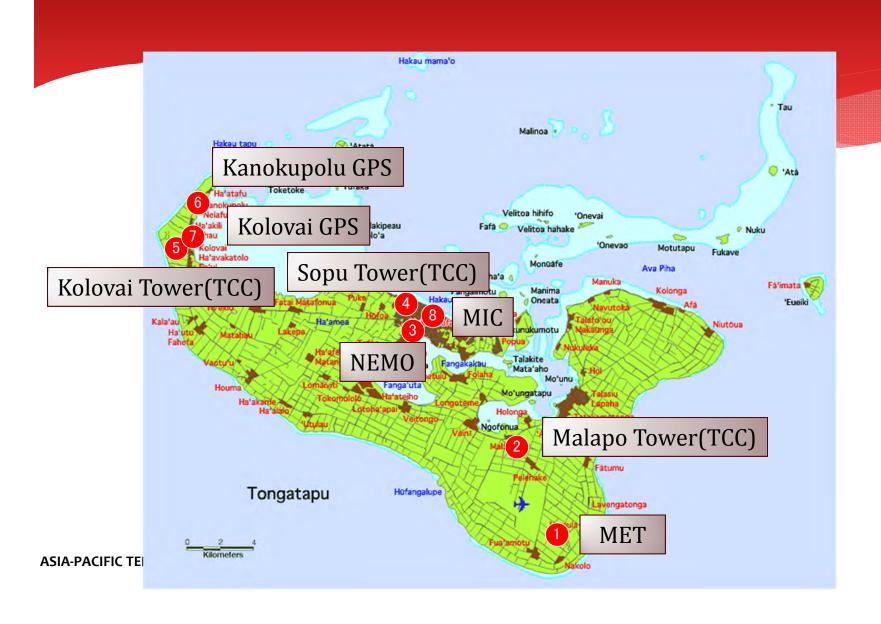


Technical demonstration on "Horn array long range speaker" in Nuku'alofa downtown was implemented for multi-purpose standalone PA system.





Project Sites







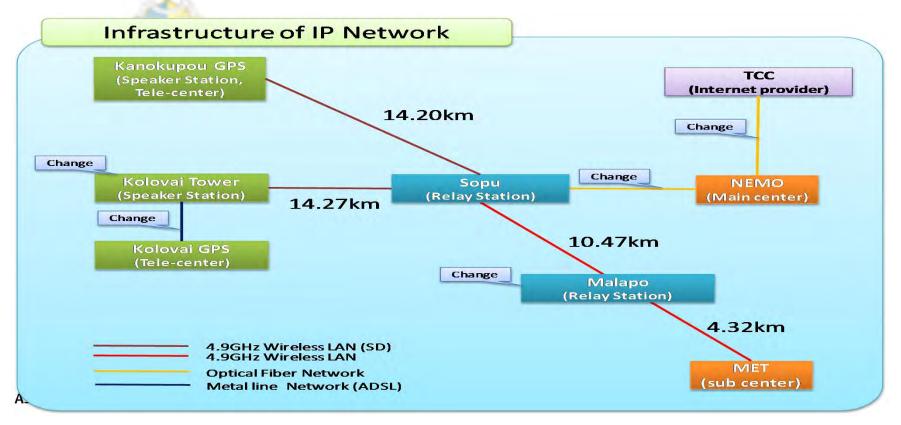
20.Mar Inaoguration▼



item 2013 2014 ▼Final Repo May. July. Feb. Mar. Apr. June. Aug. Sep. Oct. Nov. Dec. Jan. Mar. 05.Aug Event o6Mar ▼ interim report ▼ APT-J3 Selected Meeting in Tonga. Design and production of the system /engineering work Transport /Customs clearance Installation /cable wiring Testing /evaluation OJT Follow up (Adjustment Wireless network) Reporting Final report Interim report

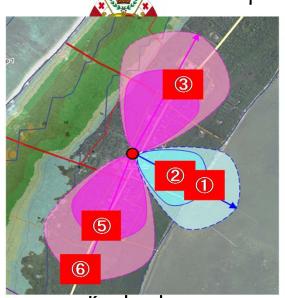
Network Configuration

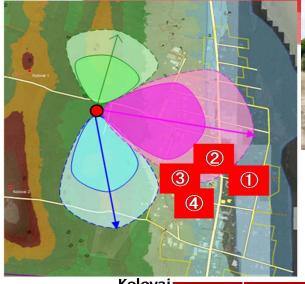




Evaluation (Early Warning System/Speaker)

Evaluation of the loud speaker service area







Kanokupolu

At all evaluating points got rating "four or more".

Kolovai

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H	Rating	Criterion of judgment	Remarks
	5	Excellent, understand well (no echo)	
	4	Very good, understand well	
	3	Good, understand	
	2	Not good, but understand	
	1	if it is heard carefully, understand	
	0	Cannot understand what is said	



Thank you. Malo 'Aupito.

