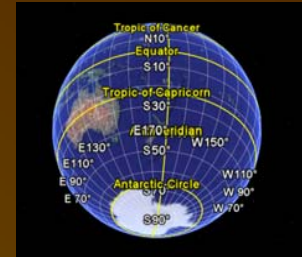


Implementing Geospatial Solutions to Support Disaster Preparedness, Reduction and Response in Telecommunication.

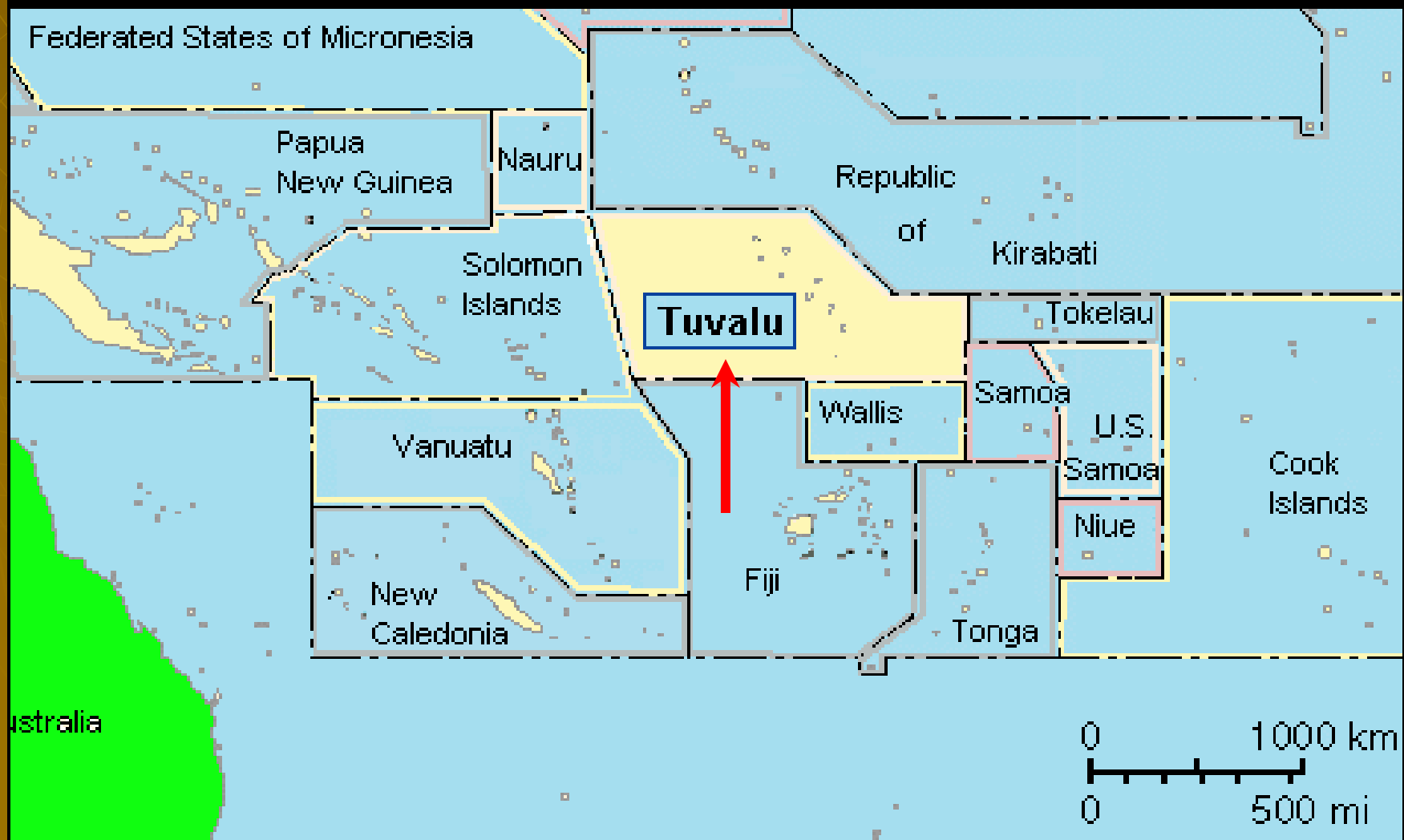


By Meelina Ailesi
Tuvalu Telecommunication
Corporation
Engineering Dept
Vaiaku
Funafuti
Tuvalu

OUTLINE OF THE PRESENTATION

- ◆ COMMON DISASTERS IN TUVALU
- ◆ DIRECTION OF DECLARATION OF EMERGENCY & RESPONSE
- ◆ IMAGES ON FLOODING & SHORES DESTROY BY HIGH TIDES
- ◆ TUVALU TELECOM IMPLEMENTING GIS SPATIAL AS SOLUTIONS & PREPAREDNESS FOR DISASTER EMERGENCY & RESPONSE
- ◆ TELECOM PLANS FOR EMERGENCY RESPONSE, PREPAREDNESS
- ◆ CONCLUSION

Geographic Location of Tuvalu



Natural/ Man-Made/Long-term Disaster



CYCLONE



FIRE



FLOOD



SEA LEVEL RISE

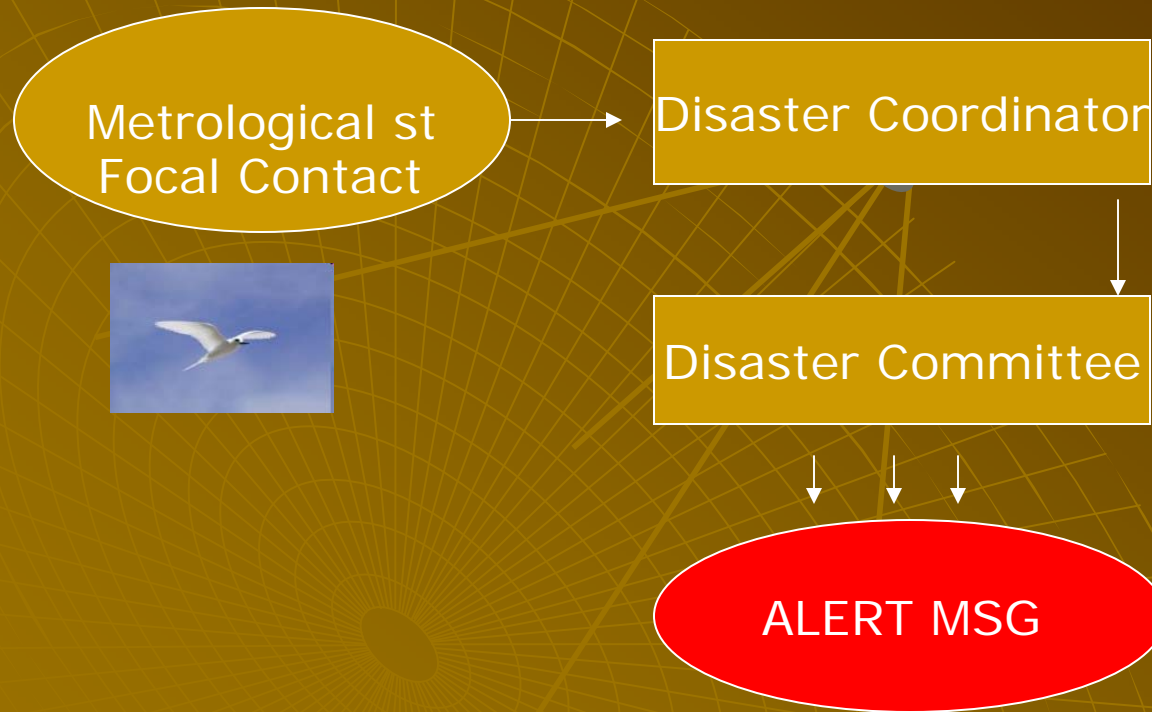


DROUGHT



TSUNAMI (Warning)

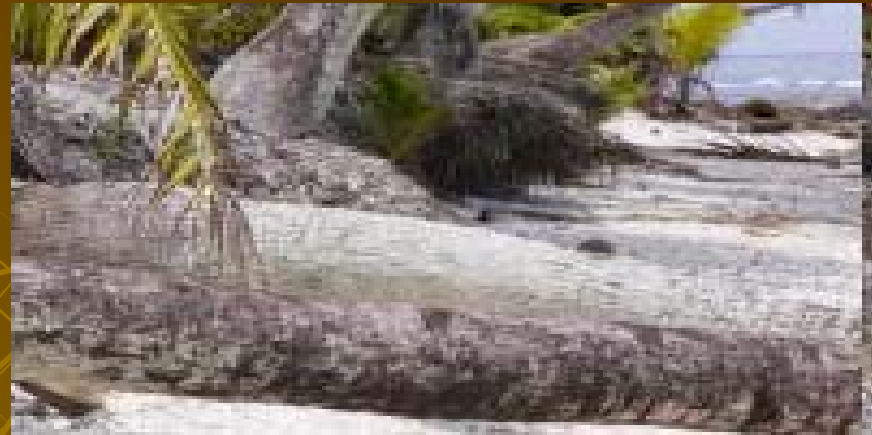
Declaration State of Emergency



FLODDING



SHORES



TTC CABLE NETWORK





TAISALA RD AT FAKAIFOOU

T
A
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SUB_NAME	SUB_NUM	LOCATION	OWNER	PAIR	CABLE_ID	CABLE_TYPE	PIT_ID	PIT_L
APISALOMA ENLISE	20686	FAKAFOU	Private	371	cable20	400yr	LP079	FAKAF
ASILA PENITITA	20701	VAIAKU	Private	68	cable27	100yr	LP079	FAKAF
ATAMAU FALASU	20993	FAKAFOU	Private	373	cable20	400yr	LP080	FAKAF
AUNISE SMIATI	20777	FAKAFOU	Private	374	cable20	400yr	LP029	FAKAF
AVANOA PAELATE	20989	FAKAFOU	Private	375	cable20	400yr	LP090	FAKAF
BATAIIRA FOELASI	20578	VAIAKU	Private	376	cable20	400yr	LP082	FAKAF
BIXENBU PAENU	20390	LOFAGAI	Private	377	cable20	400yr	LP076	FAKAF
BRICE ALI	20552	ALAPI	Private	379	cable20	400yr	LP083	FAKAF
CHANG	20318	FAKAFOOU	Private	380	cable20	400yr	LP188	FAKAF
Pua Laki	20548	ALAPI	Private	384	cable20	400yr	LP080	FAKAF
CHRISTIE KEN	20363	LOFAGAI	Private	386	cable20	400yr	LP086	FAKAF
DAVID MANUELA	20206	FAKAFOOU	Private	388	cable20	400yr	LP099	FAKAF
MALIESI LATAFI Dr	20952	FAKAFOOU	Private	392	cable20	400yr	LP079	FAKAF
MILIANA SMIKONA Dr	20746	FAKAFOOU	Private	393	cable20	400yr	LP090	FAKAF
OBALLO Dr	20312	FAKAFOOU	Private	1	cable21	100yr	LP186	VAI.LIKI
SHANE Dr				2	cable21	100yr	LP186	VAI.LIKI
STEPHEN BOMASI Dr				4	cable21	100yr	LP186	VAI.LIKI
TEKAU NELSONE Dr				51	cable21	100yr	LP056	VAI.LIKI
EKITAU TAPA				52	cable21	100yr	LP054	VAI.LIKI
ELA FILOATA				53	cable21	100yr	LP054	VAI.LIKI
ELEKANA LOTONU				56	cable21	100yr	LP054	VAI.LIKI
ELENI TEPUU				57	cable21	100yr	LP072	VAI.LIKI
ELISALA PITA				58	cable21	100yr	LP186	VAI.LIKI
EMILI KOPKE				59	cable21	100yr	LP054	VAI.LIKI
ENATE IVI				60	cable21	100yr	LP054	VAI.LIKI
EPENSA ITHI				61	cable21	100yr	LP054	VAI.LIKI
EPI FALIGA				68	cable21	100yr	LP056	VAI.LIKI
ERITIRA ALESII	20559	VAIAKU	Private	69	cable21	100yr	LP056	VAI.LIKI
ETIKINI	20895	TEONE	Private	70	cable21	100yr	LP056	VAI.LIKI
EVOTIA TOFUOLA	20723	SAPU RD	Private	72	cable21	100yr	LP056	VAI.LIKI
Fengiti Titimata	20572	Lofagali	Private	265	c20	400yr	unk	Lofagali
FAKATORAGA PATALA	20561	SENALA	Private	6	cable22	100yr	LP055	SENALA
FALAIMA NATANO	20483	TOKOTU RD	Private	7	cable22	100yr	LP050	SENALA
FALIALA PETILU	20786	VAI.LIKI	Private	8	cable22	100yr	LP055	SENALA
FALIALILI FLEAGAI	20286	FAKAFOOU	Private	11	cable22	100yr	LP058	SENALA

Find and Replace

Find: Find Next

Replace:

Look In: MASTER RECORD QUERY - Selec

Match: Any Part of Field More >>

Cancel

TTC Directory Master Record

NAME: Governor General PHONE: 20715 LOCATION: Vaiauku

OWNER: Government

SEARCH

TTC IMPLEMENT GIS

◆ GIS helps TTC

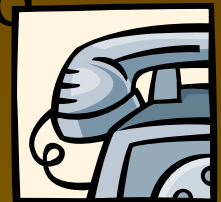
- ❑ GIS application & GPS Tracking Techniques will help in monitoring, planning efficient Management for Disaster preparedness and operational Framework.
- ❑ Helps in making decisions
- ❑ Creating of awareness for improving preparedness and promote the study of natural Disaster prevention
- ❑ Creating detailed database

Tuvalu Telecom Plans and solutions for Emergency Response & Preparedness

- ◆ The first and foremost is for TTC to approach the NDMC regarding the National policy
- ◆ Create action plans for solution based on Geospatial information
- ◆ Reallocating of its assets which are targeted by Disasters.
- ◆ Improving Capacity building at local and regional level
- ◆ Early Warning system



ALERT MSG



CONCLUSION

- ❑ TTC internal Committee for Disaster
- ❑ Action Plan has been set aside for Preparedness & Emergency response due to the fact that natural disasters are targeting our important assets and in very long periods.
- ❑ Looking for other alternatives which will help in easing the problems
- ❑ As we are still a Developing Country we have to look for more assistance on our situation in terms of fundings & Expertise on specialize fields .



FAKAFETAI LASI & THANKS TO YOU ALL