



Resilience and Disaster Risk Management

United Nations Development Programme
Pacific Office in the FSM

FSM | Kiribati | RMI | Nauru | Palau

@ Kosrae DM TTX

Who are we



UNDP is the United Nations' lead agency on international development.

- Policies
- Leadership skills
- Partnering abilities
- Institutional capabilities
- Build resilience

UNDP in the Pacific

In the Pacific, UNDP provides regional and country support to ten countries:

Federated States of Micronesia, Fiji, **Kiribati**, **Republic of the Marshall Islands**, **Nauru**, **Palau**, Solomon Islands, Tonga, Tuvalu, and Vanuatu) and regional support to five countries (Cook Islands, Niue, Papua New Guinea, Samoa, and Tokelau)



UNDP Pacific Office in the FSM



The UNDP Pacific Office in the FSM programmes in collaboration with 27 government agencies and organizations and a wide range of donors working on 3 major areas:

- Effective Governance
- Inclusive Growth
- Resilience and Climate Change

Disaster risk management in the FSM

Enhancing Disaster and Climate Resilience in the FSM

- Total funding: \$ 7.4 million
- Funding source: GEF
- National Implementing Partner: DECEM
- Location: Yap, Chuuk, Pohnpei, Kosrae



EDCR in the FSM



- Improve radio communications at EOC and outer islands (68 sites, including four national offices, 12 in Pohnpei, 6 in Kosrae, 27 in Chuuk and 19 in Yap)
- Trainings on radio operation and using solar systems
- Enhancing EOC: extension for NEOF
- Enhanced capacity of project stakeholders – O&M for the equipment; governance: PDNA; gender and social inclusion

EDCR in the FSM



- new Pohnpei State EOC (construct and equip)
- Deliver rescue equipment to the Division of Public Safety (DPS) of Kosrae
- Support debris management in Kosrae (provided chainsaws, woodchippers, shredders and a cherry picker/ hydraulic long reach platform)
- Improve water supply in Chuuk (Rehabilitating 14 deep wells; provide water treatment plant and portable water tanker for off grid communities) and Yap (storage tank repaired with a pump and a pontoon installed)

Location Coordinates	Name of the Custodian	Title of Custodian	Operator's Name	Signed Handover	Complete	Note	HF Radio	VHF Radio	Solar Regulator /Panel	Solar Batteries 2	Solar Batteries 4	VHF Handheld
57°48.40"N 157°12'41.40"E	Wendolin Lainos	Fire Captain	Yolani Torres-Day shift	Pohnpei 1 D...pdf	<input checked="" type="checkbox"/>	Installation of both HF and VHF @Fire Station will be relocated to NEOC building once completed. Another Operators refresher training needed for the HF use will be held for the 911 operators.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
57°49.83"N 157°12'46.57"E	Joshua Carl	Chief of Police	Billy Marar, Sgt. Joshua Carl, Chief Delwin Nahson, Sgt.	Kolonias Tow...jpg	<input checked="" type="checkbox"/>	1301575 - VHF S/N The VHF installed at the Police Station will allow 24/7 coms monitoring and response. 3 guy support and this site was used as field onsite training for the DECCEM install team. Michael & Gordon	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
57°29.44"E 157°11.50"N	Salter Pluhs	Chief of Police -	Capt. Elwel Lihgorio Lt. Petericko Wendolin Sgt. Marvin Enrick (691) 320-3189	Nett Munici... jpg	<input checked="" type="checkbox"/>	1301519 - VHF S/N Located at the Nett Police Station, this site was used as field onsite training with DECCEM team. A successful test to Kolonia, Pohnpei DCO & DECCEM was a result of the proper installation when followed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
534, 158.27749	Keeper Pertin	Social Affairs Coordinator (691) 320-4618	Nickson Mark-Chief of Police	Pohnpei 4 U.pdf	<input checked="" type="checkbox"/>	13015759 - VHF S/N Installed at the U Police station, limited range of 4Miles due to the surrounding high elevation mountain. Recommend the use of VHF Repeater.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Tuvalu Coastal Adaptation Project

1. Strengthened monitoring, protection and maintenance of coastal protection infrastructure:

- Technical knowhow
- Human resources capacity
- Awareness

2. Reduced coastal infrastructure vulnerability:

- Site specific assessment
- Infrastructure design
- Coast protection measures

3. Financing: annual budgeting; monitoring at community levels



GCF: \$ 36 million; Gov co-finance: \$2.9 million

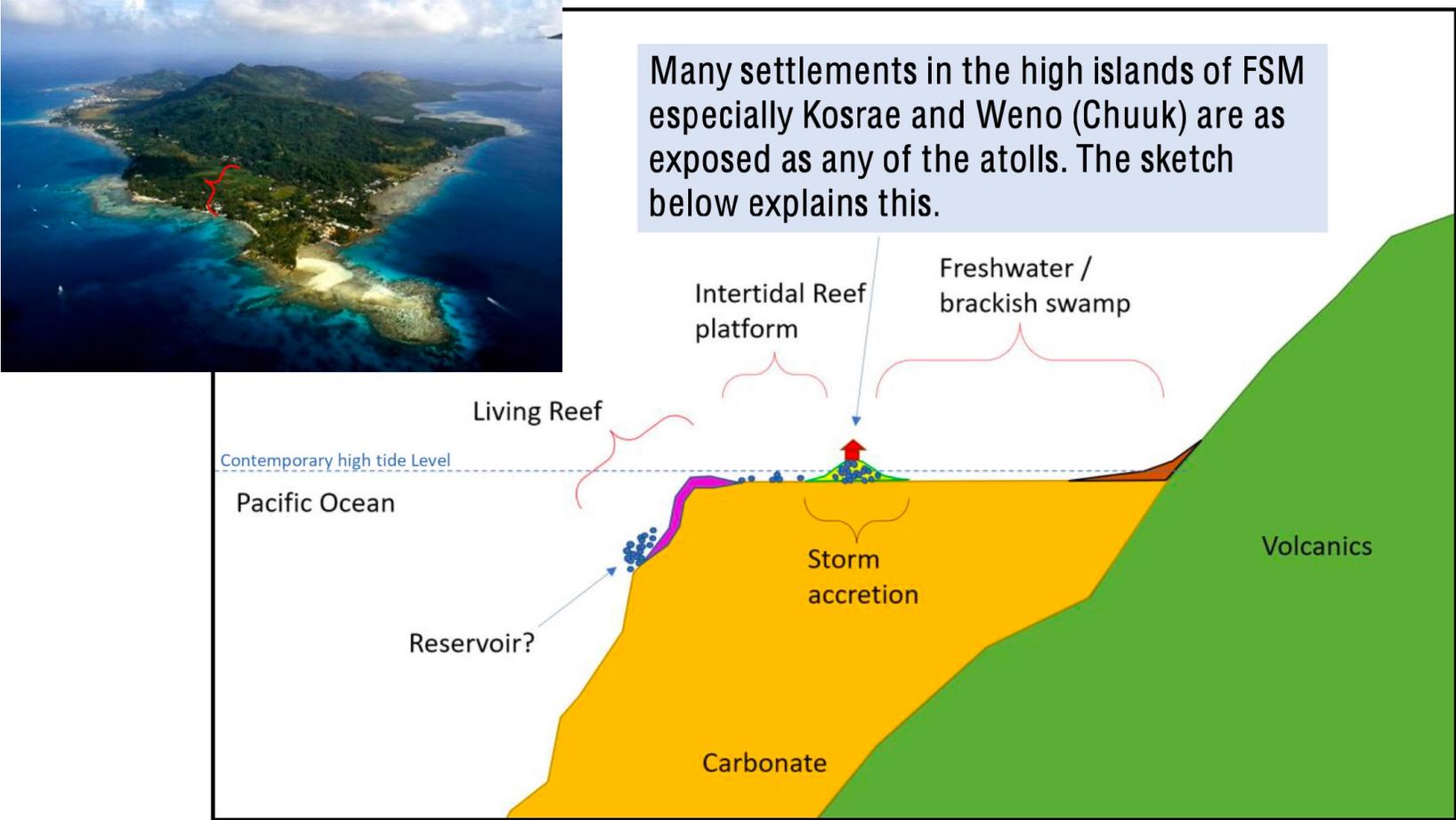
Sea level science and adaptation



- FSM has a large complex (and urgent) problem with Sea Level Rise – we must understand this properly to allow us to plan and adapt.
- We are working with 2010 census data (rather outdated)
- Even finding a single authoritative National map that uniformly identified every outer island community is a difficult thing to do.
- FSM does not appear to have national accurate land height data (topography) covering either the high islands or low islands. We can't accurately understand inundation threat without this.
- FSM also appears not to have near-shore (less than 150ft depth) bathymetry data (reef, lagoons, shallow areas around islands).

Adaptation – leans towards a no regret approach

Sea level science and adaptation – not only atolls



Potential application in the FSM



1. Collect vital national accurate baseline data (land height) to characterize the extent and time-lines likely to play out regarding sea level rise inundation across all islands.
2. Use data from #1 undertake detailed wave hazard modelling to complement national inundation risk profiles. Develop full inundation hazards online platform. Open resource to inform planning, adaptation, EWS, etc.
3. Use data and products from #1&2 to coordinate a National discussion on sea level rise risks and adaptation options. Focus efforts and lessons toward the development of FSM long term adaptation plan(s). Undertake national capacity building efforts.



Kammagar | Killisou | Kalahngan | Kulo

Thank you

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