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Atoll Adaptation High Level Dialogue

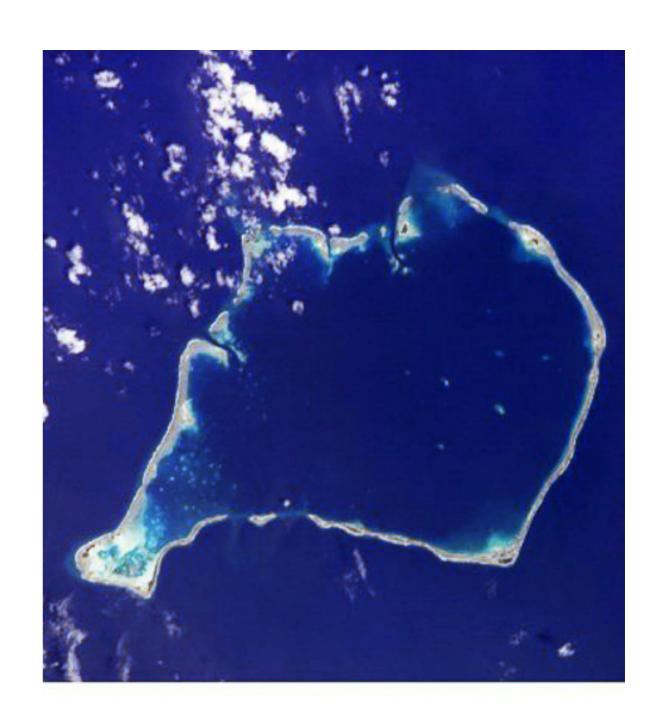
27 - 29 August 2019



Office of the Prime Minister Government of Tuvalu

The future costs of adaptation and building fiscal and economic resilience

- Tuvalu is made of 3 reef islands and 6 atolls. There are many islets that form the atolls and all lowlying.
- 3 reef islands (Nanumaga, Niutao and Niulakita) - does not have lagoons.
- 6 true atolls are Funafuti,
 Nukufetau, Nui, Vaitupu, Nui,
 Nanumea, Nukulaelae.
- On the atolls an annular reef rim surrounds the lagoon with several natural reef channels.



Fogafale gravel beach nourishment

- Gravel beach nourishment was implemented as a coastal protection measure to improve three functions:
- 1. Protection
- 2. Beach use
- 3. Environmental using sustainable materials that source locally



Queen Elizabeth II Park



approximately 4.75m. Tuvalu observed king tides is

around the range of 3 - 3.7metres.

It is approximately 115,000m3 of sand dredged from the nearby lagoon and pumped to a reclamation area

called the Queen Elizabeth II

Fogafale is only 593 acres in size.

TCAP_Funafuti Coastal Protection

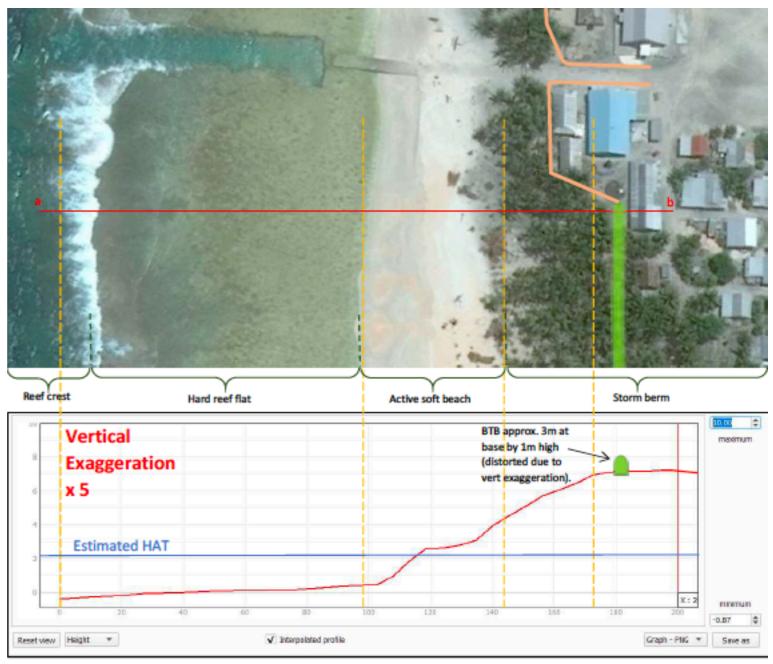


TCAP will carry out a foreshore reclamation on Funafuti as part of the coastal protection measure. The reclaim are is expected to be 780m length x 100m wide.

TCAP_Nanumaga Coastal Protection



TCAP will provide 670m of Berm Top Barrier and 50m of Sheet piling.



TCAP_Nanumea Coastal Protection



TCAP will protect a comparative 1,350m of shoreline with a mixture of Berm Top Barriers ((BTB) - indicated by the green line) and a hard revetment at the main church compound (150m gap in the BTB)

Seabee wall built out of individually small interlocking Seabee units. Assessment indicated that this type of hard revetment may suit the shoreline condition of Nanumea

Nukufetau Coastal Protection



This is a 500 metre long replacement seawall that is more than 3 metres high was constructed in 2016.

Pacific Islands Climate Change Insurance Facility

Key Arrangements for PICCIF

Various risk transfer products will be developed under the auspices of PICCIF. In addition a special facility will be established to monitor the investments by the insurance industry in the fossil fuel industry.

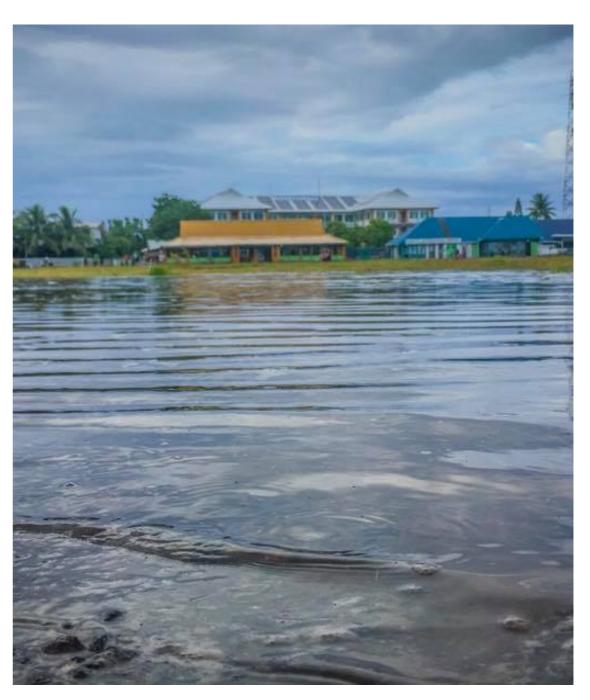
Key elements of PICCIF include:

- 1.Index/parametric based risk transfer/insurance scheme
- 2.Indemnity insurance
- 3. Clearinghouse for product options
- 4.Insurance industry fossil fuel disclosure facility
- The PICCIF is expected to launch at the next PIF Leaders Meeting in Vanuatu in 2020.



Tuvalu Survival Fund

- The Tuvalu Survival Fund was established in 2015 after the country was devastated by TC Ula.
- The Fund is governed by its Board, that is taking advice from its Committee.
- The Fund is currently receiving investment only from the Government from Tuvalu
- Development Partners and Institutions are encouraged to invest in the Fund



Inundation from king tide

"If we save Tuvalu we save the world."

-Rt. Hon. Enele Sosene Sopoaga, Prime Minister of Tuvalu