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RAPID ASSESSMENT REPORT – TUVALU

NOVEMBER 2012



NATIONAL PROJECT ADVISORY COMMITTEE (NPAC)

**PROCESS FOR SELECTING USP EU GCCA POTENTIAL SITES
FOR PILOT CLIMATE CHANGE ADAPTATION SITES – TUVALU:**

The NPAC in its last meeting on the 15th October 2012, the meeting recommended the following six islands as the most appropriate sites for the USP EUGCCA pilot climate change adaptation project.

However, the Rapid Assessment for all of the six potential sites was carried out using all the literature available from different Government departments, NGOs and from the Funafuti Kaupule. The report of the six potential sites was prepared by the USP EU GCCA In-Country Coordinator, Teuleala Manuella Morris.

The Rapid Assessment Method is as per PACE-SD Rapid Assessment 2012 manual prepared by Leone Limalevu.

These islands included: Nanumea (Site 1), Nanumaga(Site 2), Nui (Site 3), Nukufetau (Site 4), Nukulaelae (Site 5) and Funafuti (Site 6).

Since, the potential sites must be accorded and nominated at the village level according to PACE-SD Rapid Assessment it was decided and agreed by the NPAC to apply the village level to include the island community on each of the islands selected. The above potential sites were selected in accordance to their vulnerability status accordingly, though, two from the Northern Islands, two from the Central islands, and two from the Southern islands. As such, only 3 islands will be accounted in the final selection for the USP EU GCCA project in Tuvalu.

NPAC met on the 20th November 2012 to select the 3 sites from the 6 sites selected earlier. Due to the high costs to visit the 6 islands, it was agreed by the Project Management Committee to do the RA by literature. Tavau Teii, NPAC Member who had attended the USP EU GCCA training on RA in Vanuatu in September 2012, conducted the RA and presented the RA report for endorsement by NPAC on the 20th November; 2012. Below show background information upon the six sites to enable the NPAC to select the most vulnerable communities in Tuvalu.

Table 1: Demography of the 6 Potential Sites as Recommended by NPAC:

SITE NUMBER	ISLANDS	POPULATION	NUMBER OF VILLAGES	NUMBER OF HOUSEHOLDS
SITE 1	NAUMEA	764	2	151
SITE 2	NANUMAGA	674	2	152
SITE 3	NUI	609	2	135
SITE 4	NUKUFETAU	568	2	170
SITE 5	NUKULAEAE	334	2	74
SITE 6	FUNAFUTI	5300	7	791

Table 2: Summary of Findings Indicating the Vulnerability Status of the 6 Selected Potential Sites for the USP EU GCCA Project in Tuvalu

Site No.	ISLANDS	WATER CAPTURE, STORAGE & MANAGEMENT CAPACITIES ARE ENHANCED	COASTAL PROTECTION ENHANCED	CLIMATE RESILIENT AGRICULTURAL & FISHERIES PRACTICES IMPLEMENTED	HEALTH SUPPORT & VECTOR – BORNE DISEASE CONTROL TECHNIQUES INTRODUCED	ENERGY RESOURCES AND ENERGY SECURITY	FOOD SECURITY	TOTAL OF SCORES	Live-lihood	Total of scores for feasibility, coastal vul., & population density
1	Nanumea	4	5	3	5	2	4	23	3	57
2	Nanumaga	4	3	4	3	2	3	19	4	59
3	Nui	5	3	3	4	2	1	18	3	56
4	Nukufetau	3	4	3	3	2	1	16	3	52
5	Nukulaelae	4	5	4	3	2	5	23	4	60
6	Funafuti	2	4	2	2	2	3	15	2	55

Breakdown for Column 11 named Total of scores for feasibility, coastal vulnerability and population density. The total of each of these columns add the above table for each of the columns accordingly.

Table 3: Total Scores for feasibility on coastal vulnerability upon population density:

Site No.:	ISLANDS	FEASIBILITY SCORE	COASTAL VULNERABILITY SCORE	POPULATION DENSITY	TOTAL SCORES
1	Nanumea	1	28	2	57
2	Nanumaga	3	29	2	59
3	Nui	3	28	2	56
4	Nukufetau	3	28	2	52
5	Nukulaelae	3	28	2	60
6	Funafuti	5	28	5	55

Note: Funafuti – Need to look at further – Water (fine); Energy (fine); No food Security.

Table 4: Current Status of Water Resources – 6 Potential Sites for USP EU GCCA Project in Tuvalu

Site No.:	Islands	Population	No. of Villages	No. of H/H	No. of Communal Water tanks & cistern	Water Holding Capacity (m3)	No. of Private Water Tanks	Water Holding Capacity (m3)	No. of desalination plant	No. of existing wells
1	Nanumea	764	2	159	15	967	256	2,203		9 (c-2;p-7)
2	Nanumaga	674	2	138	16	900	323	2,402	18KL capacity plant -11 yrs old	Ground water (very brackish)
3	Nui	609	2	146	3	251	208	1,468		17 (c-4;p-13)
4	Nukufetau	568	2	130	8	523	154	1,600		10 (c-6; p-4)
5	Nukulaelae	334	2	75	5	328	115	1,081		10 (c-1;p-9)
6	Funafuti	5,300	7*	791	28	2,346	1,286	12,086		4 (p-4)

*Funafuti – 7 villages as demarcated in the Quick water Assessment Survey; Department of Health; 12/10/2011

Source: Funafuti Profile; Department of Rural Development, Ministry of Home Affairs (unpublished).

Based on Vulnerability on Food Security; Water Security & Logistics:

The Most Vulnerable is Nukulaelae; second Nanumaga and third Funafuti. NPAC endorsed the 3 demonstrations accordingly on the 20th November 2012.