



Babaire ma Tararua ibukin Kauarerekean te Urubwai

Taian kukune ibukin te Betebeke man Botakin Aaba n te Aonnaba (te United Nations) **Te Rabwata ae e kaainaki man ana Botaki ni Mwakuri te Tautaeka aika a kakaokoro ibukin Bibitakin Kanoan Boong — Intergovernmental Panel on Climate Change's (IPCC) Te kaonoua n riboti (AR6) i aon taian Kanganga, Bitakin tein te Maiu ao te Kakai Rotaki**



TAIAN BITAKI

E na kerake riki kanganga n aron te ieka ma taren te ran ae e mam ni mwaitin rorokon te

ANGIBUAKA



Imwin 40 te ririki n nako ao e tabe n rikirake **korakoran ma matoan te angibuaka**

AROA AOMATA NI KAITARA BITAKIN TEIN TE MAIU (COMMUNITY-BASED ADAPTATION)

e reitia aomata ma taabo ni mwakuri ni karaoi **babaire i aon totokoan taian urubwai**



Rikiraken, okiokin, ma korakoran ao maanin te angibuaka, e kakorakora riki te kanganga ma rotakia



aomata ma kateitei ma ana bwai te botanaomata n aia otabwanin



E na rang ibuobuoki ni kauarerekei kanganga n taai aika a na roko mwakurian

bitakin tein te maiu ni kaitarai kanoan boong

aian kanikina aika a moantaai ni kaoti man kabonganakin

te Rabakau n Aomata ao te Rabakau n Aon te Aba

I nanon tabeakinan mwini te urubwai, kakatauraoui naba nakon **keraken korakoran angibuaka n taai aika a na roko**



+
Taian katautau aika a boboto i aon bwai n rabakau

BITAKIN TEIN TE MAIU

TE SOCIAL CAPITAL

ke aia reitaki aomata ibukin kabutan aia waaki ma maiuia n oin aia tabo e katomaia ke e reitiia aomata aika a rotaki nakon taian buoka ma bwaai aika a kainanoaki, e buokia naba aomata man aaba aika a uarereke n angania



TE NANO MATOA & TE KONA NI WAAKI (SELF BELIEF & BUILD RESILIENCE)

n tararuai aroia ao ni kaoka aroia i mwini taian urubwai aika a tia n riki





Babaire ma Tararua ibukin Kauarerekean te Urubwai

Taian kukune ibukin te Betebeke man Botakin Aaba n te Aonnaba (te United Nations) **Te Rabwata ae e kaainaki man ana Botaki ni Mwakuri te Tautaeka aika a kakaokoro ibukin Bibitakin Kanoan Boong — Intergovernmental Panel on Climate Change’s (IPCC) Te kaonoua n riboti (AR6) i aon taian Kanganga, Bitakin tein te Maiu ao te Kakai Rotaki**



Rikiraken, okiokin, korakoran ao maanin bibitakin kanoan boong ae uotana te angibuaka ae e korakora ike a rotaki iai aomata n te kanganga, taian kateitei ma ana bwai te botanaomata n ikotaki ma te otabwanin ma aron kabonganakia.^{1}**

TERA AE E RIKI

E rang korakora te kanganga nakon aban te Betebeke man taian angibuaka.^{**} I nanon 40 te ririki n nako ao e a rikirake korakoran te angibuaka n te aonnaba. Te urubwai man te angibuaka ae Winston (te kabanea ni korakora man te Aono ni Maiaki) n 2016 ae e ri aon 20% ana GDP Biiti (Fiji). E korakora te uruaki nakon ana tabo n ununiki Vanuatu n te mwaiti ae 64.1% te GDP ao a rotaki n te ieka aaba aika a raroa n aron Kiribati ma Tuvalu n te angibuaka ae Pam i nanon 2015. Aio are e a karika te kanganga ae e korakora nakon taabo ni kaneweaba (tourism) ake a tei i mataniwin te aba n aban nako te Betebeke.³

Bwaai aika a riki n aron keraken iabutin taari, te El Niño-Southern Oscillation ae e rekereke ma keraken rietan te ran, taian angibuaka n ikotaki ma aia mwakuri aomata, bon ngaia aika a kakorakora te kanganga n reken te ieka, ma rotakin te ran ae e mam.^{**} N aron ae, n te aba ae Tuamotu n te aono n Buranti Borenia (French Polynesia), te ieka n 1996 ao n 2011 e riki man rikiraken iabutin taari are e manga ikotaki ma te onia are e a rotaki iai te nama ni manga kauntaba ma tenan rawa ake a karaoaki irouia aomata. N te ieka are e rota te nama ni kaitara ma Majuro, n te aono ni Matiare n 2011, e riki man korakoran rietatan te iabuti are e kaoti n tain te La Niña ao ai rietan taian nao ake a bon kakaoti n tain te onia.⁴

* = te konabwai ae e bon tau

** = te konabwai ae e korakora

*** = te konabwai ae e rang korakora

Rikiraken korakoran te angibuaka ma kanganga e a riaon korakoraia maan n aia otabwanin ao aron maiuia aomata, ae e a kauntaba naba korakoraia ni kaitarai bitaki n tein te maiu, are e na kona ni kateimatoa te kanganga.^{2}**

E korakora te rikirake aika a tia ni karaoaki i aon kanikina aika a moantaai ni kaoti, riki n taabo ake a kanamakinaki, a tutuoaki, a kamatebwaiaki ao a katautauaki iai taian angibuaka aika a korakora. E bon teimatoa ni kainanoaki taian katamaroa i aon aanga ni kaitarai kanganga n te tai ae e waekoa ao n iangoa korakoran ana konabwai te tautaeka n tarai aroia aomata, te katei ao te kataumwane.⁵

Nakoraoin te reitaki i marenaia taabo ni mwakuri bon ngaia rikiraken aanga ni kanakoraoa te katauraoi nakon taian kanganga ma bitakin te maiu n te Betebeke. E kainanoaki riki te reitaki i marenan karikirake aika a kakawaki ao tararuan te kanganga n ana kataumwane te tautaeka ao karaoan taian karikirake bwa a na teimatoa ni waa.⁶

TERA AE E KONA N RIKI I MWINA

A kona n rotaki maiuia ma aia kareke mwane koraki aika a maeka n uakaan ma tari man rikiraken iabutin taari n te Betebeke n ikotaki ma korakoran iekakin te aba.^{7**} E na rangin rotaki riki aban te Betebeke aika a kabuebue ngkana e manga kerake riki ke n taboro riki iabutin tari ae ngkai ngkana e manga ikotaki 5–10cm te kerake (e katautauaki aio n ~2030–2050).⁸ A na kakai bua ke ni mauna aaba aika a uarekeke namaia ao aaba aika a kanaki matiniwiia bwa mwini rikiraken te iabuti ao man rikiraken naba taian angibuaka ike a kanaki iai mataniwiin aaba,^{**} n aron ae e a tia n ribotinaki i aon Takuu, i Babua Niukini (Papua New Guinea).⁹ E kantaningaki bwa e na rikirake ana urubwai ae e korakora keraken iabutin tari nakoia aaba aika a uarekeke.

A na teimatoa n rotaki aaba aika a uarekeke man rikiraken te kabuebue, taian angibuaka aika a rang korakora, rikiraken mwaitin te ran man te angibuaka, te rongo ao bibitakin bwakan te karau.^{***} A na teimatoa n rotaki taabo ni maeka, kateitei ma ana bwai te botanaomata ao a bati riki man bibitakin kanoan boong, n ikotaki ma aroia ao marurungia te botanaomata, te ran ma kawakinan te amwarake ao ai kaubwain te aba ma te katei,^{**} e na kakaokoro aron rotakin te tabo ma aomata nakon tein ke aekakin te aba ao ni kaitara naba te maeka i buki (rural) ma te maeka n taabo aika a tia ni karikirakeaki aroia (urban settings).¹⁰

1 SPM.B.1

2 SPM.B.1

3 Chapter 15, Executive Summary

4 15.3.1.1

5 15.5.7

6 15.7

7 8.4.5.4

8 Chapter 15, Executive Summary

9 15.3.3.1.2

10 Chapter 15, Executive Summary



E na tara ni korakora reken kanganga ma taian uruaki nakon taabo ni maeka ao kateitei ma ana bwai te botanaomata, man korakoran angibuaka n taai aika a na roko ike e na kona naba n rota aron taian tararua n totokoi kanganga aika a na korakora.¹¹ A na kakai rotaki riki maeka ke kateitei n aki akaka ni korakoran te angibuaka ibukin aki kabonganakin raoi tuan te kateitei ke babaire i aon maekanakin te aba aika a raoiroi ke n tau ibukia te botanomata.

AANGA TABEUA NI KAITARAI AIKAI

Aroia aomata ni kaitarai bitakin tein te maiu ma ana waaki te botanaomata ao rabwata aika a kakaokoro ae e boboto i aon te reitaki ni kauarerekea reken taian kanganga. N te Betebeke, ao e rang korakora te kakamwakuri ae e wakinaki irouia aomata i bukin bitaki nakon tein te maiu n ikotaki ma taian kamataa i aon bibitakin kanoan boong ao katauraoaia aomata bwa a na atai ao n ota n taian bitaki nakon abaia ke aia enwaromata ao ai aroia ni kaitarai. Te kukune i mwin te kamatebwai ae e karaoaki i aon Biiti bwa te kantaninga ibukin arora ni kaitarai bitaki nakon tein te maiu (adaptive behaviour) e na kerake ngkana e kakorakoraki rongorongo i aon bibitakin kanoan boon.¹²

Investing in infrastructure adapted for climate change reduces the future risks. N aron ae, n tain te angibuaka e kona n teimatoa n reke te iti (power) man korakoran taai (solar power system) ae e kaweneaki rabwatana i aon tano. I aon Tonga, e teimatoa n reke te iti n tain te angibuaka ae Gita man solar ake a karauaki raoi ni kaweneaki rabwataia i aon tano.¹³

A teimatoa aomata ni kabongana ke ni kaieina te Rabakau n Aomata ao te Rabakau n Aon Te Aba n ikotaki ma te rabakau n Imatang n tarai kanoan boong bwa katauraoaia i mwain te angibuaka (te borau). I aon Samoa, iai taabo aika a kawakinaki irouia aomata bwa aia tabo ni kania n tain te angibuaka, ao i Vanuatu (aia kai ni borau) tarakin taian aroka n aron te mwangkoo (mangoes) ngkana a moantaai n ue ke a noraki tenan on bwa a kerake ni bung ni karaoaia ma te bike, akanne aia kanikina bwa e nang roko te angibuaka. Iai naba te koaua bwa kain Niue, Tonga, Vanuatu ao Toromon a kabonganai rabakaun abaia ao rabakau aika a boou (scientific knowledge).¹⁴

N tain te urubwai, te social capital (aia reitaki aomata ibukin kabutan aia waaki ma maiuia n oin aia tabo) e katomaia ke e reitia koraki ake a rotaki n te urubwai ma taabo n ibuobuoki ma baika a kainanoi. ** N aaba aika a uarereke, te reitaki i marenaia aomata e kona ni boutoka te bitaki nakon tein te maiu n oin rabakauia ma te bonnano i marenaia. Aio are e na kakorakoraia riki aomata bwa a na bon onimakina aia konabwai ao a na kona ni kamaiuia ngkana akea te ibuobuoki man taabo tabeua.¹⁵

Kabonganai babaire n totokoi kanganga ae e na kona ni kauarerekea ke ni kakerikaka korakoran taian kanganga man bibitakin kanoan boong ao ni kateimatoa rikiraken te maiu.¹⁶ Katoto n aron aikai bon kakorakorakin riki taabo ni mwakuri ake a tabe ma tauan mwin kanoan te bong (National Meteorological ao te Hydrological Services) ao karikirakean ma kanakoroan bwaai ni mwakuri ake a kona ni moantaai ni kaoti kanikina. A riai ni karaoaki babaire ma aomata aika a kakai rotaki ni korakoran taian angibuaka i aon bwaai ni mwakuri aika a kona ni moantaai ni kaoti kanikina ao a na kona ni karaoa te mwakuri aomata ma nanoia i nanon te kanganga ma te angabuaka.

11 15.3.4.1; 15.3.3.3

12 15.6.4

13 Chapter 18, Box 18.3

14 15.6.5

15 8.5.2.4.1

16 15.5.7

Tabeua katoto i aon kanganga ma kaitaran bitaki n tein te maiu ibukin babairean ma tararuan kanganga. Taian kanikina aika a moantaai ni kaoti a riai ni bane n reitaki ma babaire aika a teretere raoi ibukin kamwakuraia.

Kanganga nakon ana otabwanin mataniwin te aba



Kanikina aika a moantaai ni kaoti ao babaire ma aron kamwakuraia ibukin taian angibuaka aika a korakora



Kanikina aika a moantaai ni kaoti ibukin aoraki aika a kona n reke man te ran

Kanganga nakon ana otabwanin te aba ma marawa



Taian kauring man te tabo n akawa ibukin korakoran te kabuebue ao bwaai n akawa aika a kakamwaingaki



Bibitakin taran kanoan te bong ma taian bitaki n te otabwanin ao karinaia i nanon te babaire

Taian kanganga aika a irekereke ma kakawakin rabwatan kateitei ma ana bwai te botanaomata, bwaai n reitaki ao karaoan mwakuri



Karaoia ke kateiaia ibukin bibitakin kanoan boong n taai aika a na roko

Kanganga nakon te maiu ma kaboraoan aroia



Baika a kona ni kabonganaki ibukin katanakia aomata

Kanganga nakon maiuia ao marungia aomata



Kanikina aika a moantaai ni kaoti ibukin te kabuebue ae e kona n roota te maiu ao te marung ao babaire i aon mwakuriaia



Taratarakin te marung ma te aoraki ao otinakon taian kataunari ke katautau

Kanganga i aon kawakinan te amwarake



Babaire ibukin katautauan bwakan te karau ma te rongo ao rinean taian ati ke koraa ao babaire i aon mwakuriaia



Kanikina aika a moantaai ni kaoti ibukin boon amwarake ao babaire i aon mwakuriaia

Kanganga i aon kawakinan te ran



Kanikina aika a moantaai ni kaoti ibukin te ieka ma te rongo ao karekerekeaia ma babaire i aon mwakuriaia

Risk to peace and migration



Karikirakean te rabakau i aon kamwakuraia aomata ao aanga aika a kona n reke nakoia aomata aika a rotaki n te kanganga ibukin nakoroain ao bairean te bitaki

* = te konabwai ae e bon tau

** = te konabwai ae e korakora

*** = te konabwai ae e rang korakora

