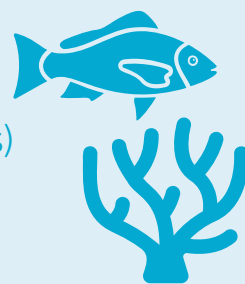




Marin tari ma ana otabwanin ao te akawa

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



A rotaki AIA TABO NI

MAEKA MARIN TARI man:



rikiraken kabuebuen te marawa



rikiraken rietan tari



aetietien (acidification) marawa



kerikakin te ang ae ti ikeikenna (oxygen)



angibuaka aika a korakora



rotakin te nama ma te rakai

kerikakin mwaitin te ika



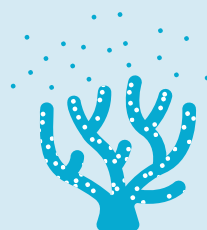
kaotiia maan aika a urubwai (pests)

bitakin nneia ke aia tabo ika



Kerikakin marin tari ao aroka ma maan aika a kakaokoro aekaiiai mataniwin te aba ao aron kabonganakin te otabwanin

boni ngaia boton te kanganga

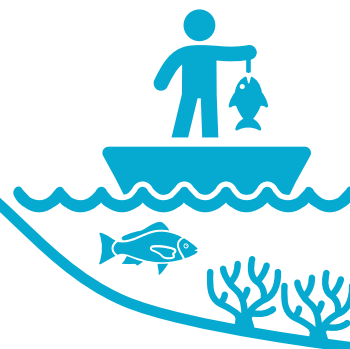


E na reke te buoka ae e mwaiti ngkana e **kabonganaki te aba bwa totokoan te kanganga**

Aanga i aon bitakin tein te maiu n ikotaki ma kakaokoroan aron te maiu ma te kareke mwane ao bitakin taian waaki



A kabonganaki waaki aika a mwakuri ibukin



TARARUAN TE RAKAI MAN TE RANGA KE MRARAN ATIBU MAN AABA AIKA RIRIETA



TAIAN BITAKI

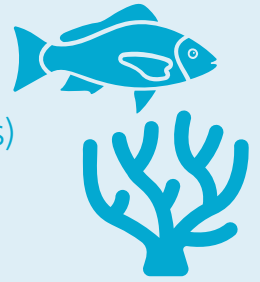
BITAKIN TEIN TE MAIU

Te itera ni baa aio e rairaki man te taetae n imatang. E a tia n karaoaki raoti te mwakuri ibukin rairakina bwa ena kaineti raoti ma kanoan te ribooti are kaotinakoaki man te IPCC ke te rabwata are tabena kaotinakoan kukune iaon bibitakin kanoan boong. Ngkana arona bwa iai kanoan te ribooti ae eaki nang matata reitaki nakoira n: iceds@anu.edu.au ke pccc@sprep.org ibukin bwaniin rongorongona.



Marin tari ma ana otabwanin ao te akawa

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**



TERA AE E RIKI

A bane n rotaki ke n urubekebeke aia tabo ni maeka marin tari n aron taian rakai, taian tongo ao uteuten tari. A rotaki aia tabo ni maeka marin tari manrikiraken kabuebuen marawa, rikiraken rietan tari, angibuaka aika a korakora, uarereken te ang ae te ikeikenna i marawa, ao aetietien marawa. A rotaki marin tari n aekaia nako man buan aia tabo ni maeka ao e rotaki naba aron kamanoan mataniwin te bike. I rarikin anne, e na rotaki naba mwaitin te amwarake man kerikakin mwaitia ika aika a kakawaki n aekaia nako.²

Teimatoan ma okiokin kabuebuen tari e karika te kanganga nakon marin tari n aekaia nako ma aia otabwanin.*** Korakoran te kabuebue i tari e na rota te rakai ao a na tabe ni bitaki ni mainaina (bleaching) ao n nako rabunaia. I rarikin anne, a na teimatoa ni mainaina taian rakai n tainako, ao e na uarereke aia tai ni manga okira aroia.^{3**} Angiia aban te Betebeke a kaman tia n tau i mwia ke ni koro i taekan rakai aika a kerikaki mwaitia.⁴

A rotaki naba n te kanganga ae e korakora taian tongo man bibitakin kanoan boong, te koro aroka ao karikirakean mataniwin te aba aika a aki tei maan. A bane ni kerake taian tongo ni kania mataniwin te bike man rikiraken rietan tari ao a kai rotaki naba n te kanganga ibukin korakoran te ran. Taian angibuaka aika a korakora a karekei naba kanganga nakon otabwanin aikai. A bati aaba aika a uarereke ake a tia n tau i mwin korakoran kerikakin mwaitin te tongo n aia tabo.⁵

Rikiraken te kabuebue n te marawa e a kakorakora riki kaotia maan aika a urubwai nakon marin tari n aekaia nako. Te katautau n te aonnaba bwa e kantaningaki te aoraki bwa a kona n tiringi korakoraia tenan rakai i tari man rotakia n te mainaina i nanon ririki aika a na roko, ao te Betebeke ngaia ae e na moantaai n rotaki.⁶

Buan marin ao arokan tari ma mataniwin te bike ao baika a bongana nakon maiuia aomata man te otabwanin bon ngaia boton te kanganga nakoia aaba aika a uarereke.¹ Ngkai e nang noraki ao ni butinako te kanganga nakon te rakai n rotakia n te mainaina man bibitakin kanoan boong n aaba aika a uarereke, a bati riki kanganga aika a rotaki iai marin tari ma aia otabwanin.

* = te konabwai ae e bon tau

** = te konabwai ae e korakora

*** = te konabwai ae e rang korakora

1 15.3.3.1.3

2 FAQ 15.3

3 Mwakoro 15, Rongorongo aika a ikotaki

4 15.3.3.1.3

5 15.3.3.1.3

6 15.3.3.1.3

TERA AE E KONA N RIKI RIMWI?

Te kanganga man bibitakin kanoan boong, n ikotaki ma aia mwakuri aomata, e na teimatoa te kanganga nakon te rakai, uteuten tari, te tongo ao aon te bike ma te otabwanin.*** Ngkana a mauna nako otabwanin aikai, a na mauna naba taian ika ao taian man ma bwain aon te aba are a boboto i aona taian karikirake n aron te kaneweaba n tein ma taran te aba (ecotourism) ao te akawa.⁷ Irarikin anne, ngkana a rotaki nneia maan ma aroka ao a na kona n rotaki taabo aika a kakawaki ibukin maiuia aomata.⁸ N aron ae, aon te ora ma te rakai, taian tongo, ao uteuten tari aika a kona ni kauarekeka rietan te nao ao ni kamanoa maiuia te botanaomata. Irarikin naba anne, taian tongo are aongkoa a kona n totokoa te kanaki, a kona n rotaki ao n aki kona ni kaitara rikiraken rietan tari.⁹



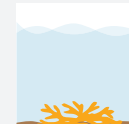

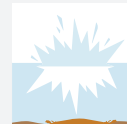


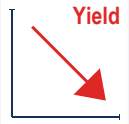



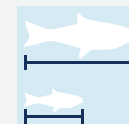



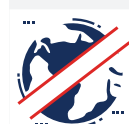


E ngae ngke a aki bane n rotaki taian rakai ni keraken te kabuebue — tabeua a bae n rotaki ao n reke nakoia te mainaina ae e rang korakora ni katoa ririki i aan te katautau ni kanoan boong.** Aio are e kona n rotaki iai korakoraia tenan rakai ma rabunaia n ikotaki ma ikan te rakai n aekai nako, ao n ikotaki naba ma kerikakin manga rikin te rakai.¹⁰ Irarikin anne, e na rang korakora naba maunanakon taian rakai n taai aika a na roko ibukin te kabuebue ae e teimatoa ma 1.5°C n te boraraoi ae te Paris Agreement.**

E kantaningaki bwa e na korakora te kerikaki n ikotakin mwaitia te nan man ni marawan te Betebeke n tarakin kanoan boong n taai aika a na roko, ike e na rotaki iai mwaitin te amwarake.^{11*} N irekereke ma aio, ao bibitakin kanoan boong e na kakorakora te kerikaki ni mwaitin ikan te rakai ma te nama n te mwaiti ae 20% n aban nako te Betebeke n 2050 are e na karika kainanoan riki te ika n tain anakina.¹²

E katautauaki bwa bibitakin kanoan boong e na bita nneia marin tari n aekai nako ao ni kakawaki ibukin kaubwain te Betebeke. N aron ae, a kantaningaki tenan ika ni marawa (skipjack ao yellowfin) bwa a na mwaing nakon te itera meang. Aio are e na kauarekeka mwaitin te kokona n te ika ni marawa i nanon taian tabo n akawa are a tia ni kakatannakoaki ibukin 10 aban nako te Betebeke ma aia mwaake ae katautauaki bwa 10% n 2050.¹³

7	15.3.3.1.4	10	15.3.3.1.1, 15.3.4.4	14	Noora rongorongo aika a koaua ibukin 'Marin tari ma ana otabwanin ao te akawa' ibukin rongorongona riki.
8	Mwakoro 15, Rongorongo aika a ikotaki	11	SPM.B.4.3		
		12	15.3.4.2		
9	15.3.3.1.4	13	Mwakoro 15, Taibora 15.5		

Taian kanganga ao mwin baika a riki man bitakin kanoan boong ma aia mwakuri aomata ae e rotaki iai te rakai ma te nama ao te akawa.

	Taian bitaki n te marawa			Te kanganga man aia mwakuri aomata			Baika a riki bwa mwin te mwakuri		
	Kabuebuen te marawa Aetietien marawa Korakoran te angibuaka Kerikakin mwaitin te ang ae ti ikeikenna ae e reke ma i marawa ao taari ni kaan ma te aba			Te barekareka Ikotakin te ran ma baika a tinebu Kamwaingakin bwaai Kanganga riki tabeua			Aia otabwanin maan Kabonganakin bwaai n aki bakataeaki Maiuroain ao marurungin te aomata		
Te rakai ma te nama	 Mainainan te rakai	 Kanakin te rakai ma te nama	 Ana urubwai te angibuaka	 Korakoran te nimrona	 Te akawa n aki ako	 Tiringakin ao taunakin maan ake a karika te rakai	 Rotakin aia tabo ni maeka maan ma aroka/mauiua maan ma aroka n aia tabo ni maeka	 Kerikakin mwaitin te akawa	 Rotakin kawakinan mataniwin te aba
Te akawa	 Mwaingia maan aika a kakaokoro/ke kaotia maan aika a urubwai	 Rotakin aia tabo maan aika iai nanaia n te kanaki	 Kerikakin te mwaiti	 Ika aika a mate n te akawa	 Te akawa ae e riao nakon are e bon kantaningaki	 Karikirakean ao tararuan mataniwin te aba	 Rotakin te otabwanin	 Bobuakan karaoan te mwakuri	 Taketenakin bitakin te akawa

E rotaki te rakai ma te nama ao te akawa ni kanoan te bong ao man mwin aia mwakuri aomata. Totokoa aia mwakuri aomata ae e rota te otabwanin e kona ni kauarekeka te kanganga [5.21], n aron ae, tararuan te rakai man te ranga ke mrran atibu man aaba aika ririeta.¹⁴

AANGA TABEUA NI KAITARAI AIKAI

E na reke te buoka ae e mwaiti ngkana e kabonganaki te aba bwa totokoan te kanganga ngkana e karauaki ni baireaki raoi ao ni kamwakuraki.** E na rang ni bongana ikotakin te rabakau n aomata ao te rabakau n aon te aba ibukin totokoan taian kanganga aikai. E rang noraki mwakurin kabonganakin te rabakau n aomata ao te rabakau n aon te aba n aia waaki kain Biiti ni kabonganani bwain abaia ni kamatoa mataniwin te aba ma ana enwaromenta ao n totokoa kanakinakoana.¹⁵ Tabeua riki totoko man kabonganani te aba n aron tibwauakin kabiran te ran nakon te karanga ke tari, manga kamaiuan te aba ao unikan te tongo ni kakorakora mataniwin te bike.¹⁶ E ngae n anne, ao mwakuriraoin taian totoko man kabonganakin bwain te aba a kona naba n rotaki n te kabuebue n irekereke ma kanoan boong.¹⁷

Tararuan te 'rakai man te ranga ke mrran atibu man aaba aika ririeta' e kona ni katamaroa ao ni karaoiroa marin tari ma ana otabwanin ao ni kamaanoa. Te waaki aio e karekerekea ma tararuan raoi te buakonikai, ma tararuan raan aika a buakaka aika a raanga ma i eta bwa e aonga ni kerikaki korakoran ana urubwai te aomata nakon te rakai.¹⁸

A kaman ira te bitaki ma tein te enwaromenta taan akawa n te nama. E a kaman tia ni karaoaki aio man kakaokoroan aron te maiu ma te kareke mwane (n aron ae, e kabonganaki te kaneweaba), karababan te karikirake i aon kamaeuaia ika ma kai n amwarake i tari, kakorakoran te reitaki ao te ibuobuoki ibukin kerikakin te kokona, bitakin taabo n akawa ao bitakin taian kona.¹⁹ E kakawaki te ibuobuoki ibukin taai aika a na roko n aron karekean te tabo n tarau n te titoa ibukin te amwarake nakoia taan akawa ngkana aki kona n akawa ibukin buakan taari, n aron ae e a tia n riki n taabo tabeua.²⁰ Irarikin anne, ao i aon Toromon, keraken bwakan te karau i aon te aba e manga reke bwa taabo ibukin kamaiuan ika ma kai n amwarake i nanon taabo aika a neinei, are e a kauarerekea iai te kanganga n te akawa n te nama.²¹

Aanga n ibuobuoki aika a irekereke ma bibitakin kanoan boong²²

Kabonganani te aba bwa totokoan te kanganga nakon marin tari ao mataniwin te aba

- Kamaiuan te aba
- Kawakinan taabo aika a kakawaki ibukin marin tari
- Tararuan ao kawakinan taabo aika a kakawaki man kanoan boong
- Teimatoan karekean te amwarake
- Tararuan bitakin tein te maiu man kanoan boong
- Tararuan te otabwanin

Bitakin tein maiuia aomata

- Rabakau aika a bati aekaia
- Tuua ma babaire aika a kairekerekeaki ma aomata
- Te uaia ni waaki
- Maiuia aomata ma kareke mwane aika a bati aekaia
- Te mwainging
- Aroaro i aon te mwane ma te kareke mwane
- Taian waaki ibukin kaitaran taian urubwai
- Tararuakin te marawa ma rinanna nako
- Taian boraraoi i aon butin te ran ao n toma ma rabwatan te ran n aron te karanga, te nei, tari n aaba aika a bati

Katean kateitei ma ana bwai te botanaomata ao rabakau aika a boou

- Taabo ni maeka ao te mwaing
- Te tararua ao aon te bike ao kamatoan mataniwin te bike
- Kanikina aika a moantaai n ataki
- Taina ao kakaokoron katautauana
- Aron te tararua
- Manga kamaeuan taabo aika a rotaki
- Te waaki ni boutoka te rikirake



Tararuan te rakai man te raanga ke mrran atibu man aaba aika ririeta: I aon aaba aika a uarereke, te aba, mataniwin te aba ao marin tari ma ana otabwanin a bane n irekereke man inaomata, ao a kona n ibuobuoki ni kateimatoa marurungia i marenaia. Kamaanoan ke manga kamaiuan teuana ke e mwaiti riki mai ibuakon taian otabwanin aikai, a kona ni manga kamaiuia ake tabeua. Otabwanin aikai, a kona ni karaoi mwakuri n katantan ni kaitarai urubwai aika a riiriki.²³

- * = te konabwai ae e bon tau
- ** = te konabwai ae e korakora
- *** = te konabwai ae e rang korakora

15 15.5.4

16 FAQ 15.2; nora Mwakoro 3, Taibora 3.3 ibukin tuoakin kabonganakin te aba bwa totokoan te kanganga.

17 Mwakoro 3, Rongorongo aika a ikotaki

18 Taibora 15.6; ibukin riki rongorongona nora 15.4

19 FAQ 15.2

20 Mwakoro 15, Taibora 15.7
21 15.5.6

22 3.23

23 15.4