



Tein kanoan boong ni karokoa te bong aio



KATEBENAKOAN TAIAN KUKUNE AIKA A KAKAWAKI AIKA A REKEREKE MA TE BETEBEKE

Man ana riboti aika Irenga Botakin Aaba n te Aonnaba (United Nations) ae **Te Rabwata ae e kainaki man ana Botaki ni Mwakuri te Tautaeka aika a kakaokoro ibukin Bibitakin Kanoan Boong – Intergovernmental Panel on Climate Change’s (IPCC’s)**. Aio te kabanea n riboti n ana kaonoua n raun ni Kakae(AR6) te IPCC, are e ikoti iai ni kabane ana riboti IPCC i nanon 7 te ririki.

Aia mwakuri aomata ngaia ae e karika kabuebuen te aonnaba man 1850



Bibitakin kanoan boong e a karika te urubwai ae e korakora ae e aki kona ni manga kaokaki nakon arona ngkoa n aron buan marin ma ana otabwanin te aba, te ran ae e mam, marawa ma mataniwin te aba



A mwaiti taian bitaki n tein te maiu aika a mwakuri ni kauarerekea te kanganga man kanoan te bong



E teimatoa ni kerake nakon te kabanea n rietata mwaitin te kaeti ae te CO₂ n tinako (global CO₂ emissions) i nanon tebwina te ririki n nako

E a nang bubura mani korakora ana urubwai bibitakin kanoan boong ni kabotauaki ma are e ribotinaki ngkoa n te IPCC.

Taian urubwai aika a tia n noraki bon:



Te mwaing ke kitanan te tabo are a maeka iai



Rotakin marurungin te iango



Maunanakoia maan ma aroka man nneia ni maeka



Buan te mwane ke karekemwane



E a karako reken te ika



A nang rotaki aban te Betebeke mai Maiaki aika a uarereke man te mwaing ke kitanan te tabo are a maeka iai man ana mwakuri kanoan te bong



E ngae ngke e uarereke te kaeti ae e tinako irouia aomata aika a maeka n te Betebeke nakon are e tinako n te aonnaba, boni ngaia aika a rang rotaki riki man bibitakin kanoan boong n te aonnaba

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: iced@anu.edu.au ke pccc@sprep.org ibukin bwaniin rongorongona.

Tein kanoan boong ni karokoa te bong aio



KATEBENAKOAN TAIAN KUKUNE AIKA A KAKAWAKI AIKA A REKEREKE MA TE BETEBEKE

Man ana riboti aika Irenga Botakin Aaba n te Aonnaba (United Nations) ae **Te Rabwata ae e kainaki man ana Botaki ni Mwakuri te Tautaeka aika a kakaokoro ibukin Bibitakin Kanoan Boong – Intergovernmental Panel on Climate Change’s (IPCC’s)**. Aio te kabanea n riboti n ana kaonoua n raun ni Kakae(AR6) te IPCC, are e ikoti iai ni kabane ana riboti IPCC i nanon 7 te ririki.

Tinakon te kaeti ae te greenhouse gas (GHG emissions) man aia mwakuri aomata e a tia ni kabueea kanoan te bong ke te aonnaba n te ware ae e tuai man nonoraki ma imwaina.¹ I marenan te ririki ae 2011-2020, ao e a tia n roko n 1.1°C kabuebuen mataniwin te aonnaba i aon kabuebuena i marenan te ririki 1850-1900.

TAIAN BITAKI NI KAROKOA NGKAI

E a korakora riki tinakon te kaeti (GHG emissions) ni katoa ririki man 2010-2019 ni kabotauaki ma tebwina te ririki ma i mwaina.^{2**} E a rikirake tinakon te kaeti man itera aika a kakaokoro man te ririki 2010, ma n te ririki 2019, ao te korakora (energy), taabo ni karaobwai (industry), baao ni mwamwananga ma kateitei a karekea 79% tinakon te kaeti ae te GHG.^{3**} Te carbon dioxide ao te methane boni ngaia taian kaeti ae e korakora tinakoia.⁴

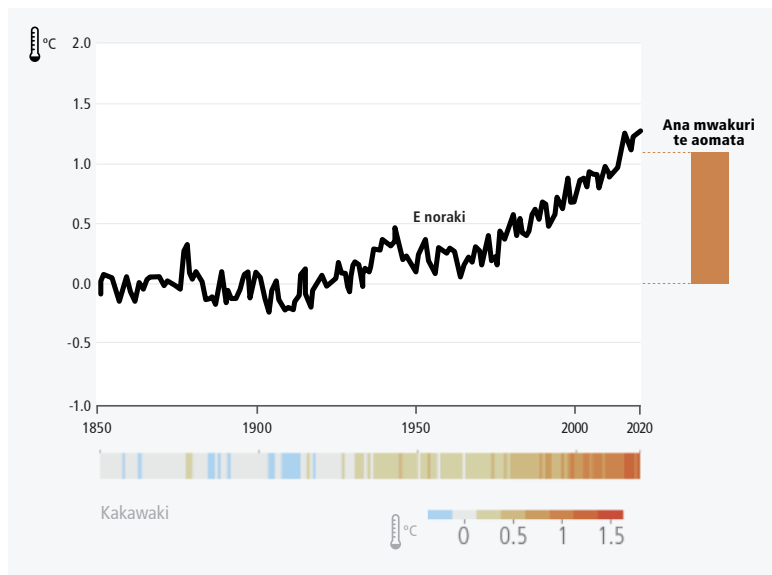
E teimatoa n rikirake mwaitin tinakon te kaeti ke te GHG i nanon tebwina te ririki n nako, ae e a kaotia man aki teimatoan te rikirake (unsustainable development) ni kabuta te aonnaba. E ngae n anne, ao e kakaokoro mwaitin te kaeti ae e tinako man aono, man taian aba aika a kakaokoro ao ai bon ma iroun temanna ma temanna. 5 N aron, aomata aika a maeka n aban te Betebeke ke te Pacific Island Countries and Territories (PICTs) a katinakoa te kaeti ae e uarereke ni kabotauaki ma are e tinako n te aonnaba.⁶

TAIAN URUBWAI NI KAROKOA NGKAI

E nang tawe te bitaki n te aonnaba ae ti mena i nanona (atmosphere), marawa ao n te aba man te kabuebue. Ti a tia n nori bibitaki ni bwakan te karau, rikiraken kabuebuen aon ma nanon marawa, keraken iabutin taari, ao aika a nang korakora riki n aron rikiraken te kabuebue, bwakan te karau ae e korakora, te rongo ao taian angibuaka.^{7**} Aio are e a karika butinakon te urubwai ma rotakin baika a maiu i aon te aba ao ai rotakia aomata. 8 Aomata aika a nang kakai rotaki boni ngaia aika a rotaki riki n ana urubwai bibitakin kanoan boong.^{9**}

Rotakia aomata n Aaba aika a Tabe n Rikirake ke Small Island Developing States (SIDS), n aron PICTs, bon teuana ma ibuakon ae te kabanea ni kakai rotaki n te aonnaba.^{10**} Ana urubwai taian angibuaka nakon kawakinan amarake ma te ran ni moo, amarake aika a bongana nakon te rabwata, ao bon te aro ni maiu a nang rotaki riki iai aomata aika a maeka n te SIDS.^{11**} Te katoto, i marenan te ririki 2010-2020, uruakin aroia aomata man te ieka, te rongo ao angibuaka aika a korakora e okioki 15 te tai mwaitina n taian aono aika a nang kakai rotaki riki.^{12**}

Aia mwakuri aomata ngaia ae e karika kabuebuen te aonnaba man 1850



E anaki man te banna (Figure) 2.1 Panels c) ao d) – Te katautau i aon kabuebuen te aonnaba ae e reke man aia mwakuri aomata bon (1.07°C), e kuri n titebo ma are e noraki n te ririki 2011-2020 ae (1.09°C) ni kabotauaki ma n te ririki 1850-1900.

1 Summary for Policymakers (SPM)A.1
2 SPMA.1.4
3 SPMA.1.2
4 SPMA.1.1

5 SPMA.1
6 SPMA.1.5
7 SPMA.2
8 SPMA.2

9 SPMA.2
10 Longer Report Section 2.1.2
11 SPMA.2.2
12 SPMA.2.2

* = Te konabwai ae e bon tau
** = Te konabwai ae e korakora
*** = Te konabwai ae e rang korakora



A bon rang rotaki riki n taian kanganga komuniti (communities) n ana urubwai bibitakin kanoan boong e ngae ngke e uarereke te kaeti ae a katinakoa.¹³ Te katoto, SIdS e ti katinakoa 0.6% te kaeti ae te GHG man mwaitin are e tinako n te aonnaba.¹⁴

A korakora n rotaki aban nako te Betebeke mai Maiaki n te mwaing ke kitanan aia tabo ni maeka mai mwin rotakia n angibuaka aika a korakora, ni kabotauaki ma uarereken mwaitin aia botanaomata.¹⁵

Akean te boraioi (inequality) e na bon karikirakea riki rotakia koraki aika mwane ke aine, koraki aika a uarereke aia karekemwane, aomata aika a maeka n taabo aika a aki eti raoi taekaia ibukin te maekanaki ao ai bon man reitinakon tautaeakanan te aba irouia aaba tabeua (colonialism), riki irouia Aomata aika bon Kain te Aba ma aia komuniti.¹⁶

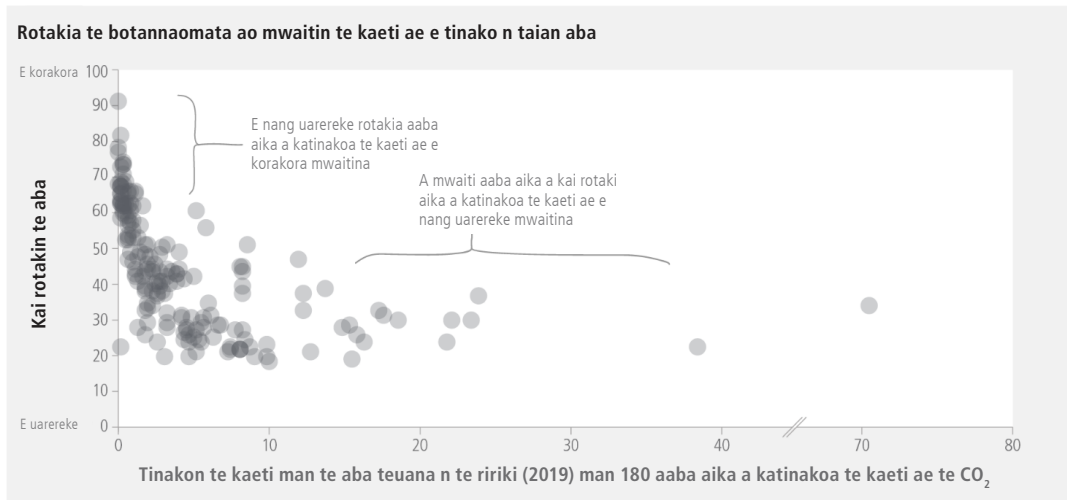
Bibitakin kanoan boong e a karika te urubwai ae e korakora ae e aki kona ni manga kaokaki nakon arona ngkoa n aron buan marin ma ana otabwanin te aba, te ran ae e mam, mataniwin te aba ao ai bon marawa.^{17**} Aio are e a karika butinakon te urubwai ma rotakin aroia ni maiu aomata, te mwaing ke kitanan te tabo are a maeka iai, ao ai te karekemwane ao a bati riki.^{18**}

Aron taraan taian urubwai aikai, te ota ke te matata n te mwane ke te karekemwane (n aron, uruakin kai n amarake) ao te matata ni baika a aki irekereke ma te mwane ke te karekemwane (n aron, buan taian aba aika a kakawaki), ngaia ae e kona ni buoka karaoan kainibaire ibukin kanoan boong n te aonnaba (international climate policy).¹⁹ E ngae n anne, e a moanna n oota raoi bwa taian urubwai aikai a aki nang rinanoaki raoi man taian rabwata aika a babairea aron te mwane, te tautaeaka ao ai rabwata aika a bubura, riki n aaba aika a tabe n rikirake ma ni kakai rotaki.^{20**}

E a rang bubura ma ni korakora ana urubwai bibitakin kanoan boong nakon are e katautauaki n ana kakae ke riboti te IPCC n taai aika a nako. Taian urubwai aika a tia n noraki bon:**

- E nakon iteran mwaitia te botannaomata n te aonnaba ae a kaitara ma aki taun te ran i nanon ae e kania teuana te ririki.^{**21}
- E a rotaki marurungin te iango man rikiraken te kabuebue,** te rawawata ma te maaku man taian angibuaka aika a korakora*** ao buan aroia ni maiu aomata ao ai te katei.^{**22}
- Rotakin te mwane ke te karekemwane e a rikirake n rota aron maiuia aomata, e a karekea te mwaing ke kitanan te tabo are a maeka iai ao e a rota te karaobwai^{**23}
- Rotakin maiuia ma marurungia aomata ma rotakin kawakinan amwarake, uruakin taian mwenga ao kateitei, ao buan bwaai aika a kakawaki ao te karekemwane, ma rotakia riki mwaane ke aine ao ai rotakin aron te aroaro ma te maiu ae e boraioi (social equity).^{**24}
- E a nang birimere rikiraken amwarake man te ununiki i nanon te maan ae 50 te ririki ao e a kerikaki mwaitin te amwarake ibukin kawakinana.²⁵
- Kabanemwane ibukin te ununiki, te mwakuri n te buakonikai, te akawa, te korakora ao te kaneweaba.²⁶
- Taian komuniti n te SIDS, n aron ana komuniti te Betebeke, a rinanon te mwaing ma kitanan te tabo are a maeka iai imwin angibuaka aika a korakora man kanoan boong. Mwaingia aomata n tiaki nanoia e a karekea ao ni kateimatoa riki te kai rotaki irouia aomata.^{*27}
- Irabubua maan ma aroka aika a tia ni mauna nako man nnea ni maeka man korakoran te kabuebue** ao e a nang korakora te mate i aon te aba ao i marawa aika a tia n tauaki mwia.^{***28}
- Kerikakin mwaitin marin marawa ma te ran ae e mam ni kabuta te aonnaba ao kerikakin mwaitin marin marawa aika a kawakinaki ao n tararuaki (aquaculture production).^{*29}
- Ai ti te itera n tiku mwaitin aaba aika a aomwaimwai i mataniwin te aba i nanon 100 te ririki n nako.^{**30}

Naake e rang korakora kai rotaki a katinakoa te kaeti a e nang uarereke mwaitina man rimoa



E anaki man te banna (Figure 2.3, panel c) – Te kai rotaki ma ngkoa ni kaitara mwaitin te kaeti ae e tinako.

Te tutuo i aon ikoikotan mwaitin te kaeti ae e tinako i marenan te ririki (1970-2020) n teuana te aba (ae e boboto i aon mwaitin te botannaomata n te ririki 2020) ibukia 177 mwaitin taian aba, e kaotia bwa aaba aika a uarereke tinakon te kaeti mai irouia boni ngaia ma ibuakoaia aaba aika a nang kakai rotaki.

* = Te konabwai ae e bon tau
 ** = Te konabwai ae e korakora
 *** = Te konabwai ae e rang korakora

13 SPMA.2
 14 WGIII Figure 2.10; WGIII SPM Footnote 18
 15 SPMA.2.5
 16 C.5.3
 17 SPMA.2.3
 18 SPMA.2.6
 19 Longer Report Section 2.2.1
 20 Longer Report Section 2.2.1
 21 SPMA.2.4
 22 SPMA.2.5
 23 SPMA.2.6
 24 SPMA.2.6
 25 SPMA.2.4
 26 SPMA.2.6
 27 SPMA.2.5
 28 SPMA.2.3
 29 SPMA.2.4
 30 Longer Report Section 2.2.1

TAIAN MWAKURI AIKA A TIA NI KARAOAKI

N te ririki 2018, ao e teimatoa n aki tau mwaitin te mwane are e tauraoui ibukin bitakin tein te maiu ao kabebetean te kanganga.**³¹ Angiin te mwane ibukin kanoan boong e tiku i nanon taian aba n aki otinako.**³² E boboto kabonganan te mwane ibukin kauarerekean tinakon te kaeti, ma e bon bwaka naba i aan te mwaiti are e kainanoaki iai.**³³

A nang mwakuri angiin taian bitaki n tein te maiu aika a tia ni karaoaki ni kauarerekean kanganga man kanoan boong ibukin baika a taketenaki n taabo, itera ao n aono aika a kakaokoro.**³⁴ Bitaki n tein te maiu aika a tia ni wakinaki bon kawakinan ma tikotikonan te ran, tein bitakin te maiu n taian komuniti, te ununiki ao kauarerekean korean aroka n te buakonikai.

Bitaki n te otabwanin n aron manga kaokan aaba aika a aomwaimwai nakon aroia rimoa, manga kamaureireian aba ao buakonikai n taabo aika a ririeta, a nang noraki mwakuria ni kauarerekean taian kanganga man te ieka ao te kabuebue.** Ao ai aron naba tararuan taian kanganga aika a aki ataki kaotia, bwaai ni mwakuri ni moantai ni kaoti kanikina (early warning systems), mwakuri ibukin kanoan boong ao kamanoaia aomata.**³⁵

E ngae n anne, ao te maranga i marenan boon karaoan bitaki n tein te maiu ao te mwane are e a tia n katauaki ibukin mwakuri aikai e tabe ni kekerake.**³⁶ Aki taun te mwane ni buoka aio e a kamemerea ana waaki PICTs ni karaoui ana waaki ibukin bitakin tein te maiu.**

Te mwane n itera aika a bati (economic instruments) e nang korakora mwakurina ni kauarerekean tinakon te kaeti ngkana e kaieinaki ma waaki aika a baireaki aroia (regulatory instruments) riki n taian aba, ni mwangan taian aba ao n taian aono.**³⁷

Kabonganan taian rabakau aika a boou ni kauarerekean tinakon te kaeti e nang memere n angiin aaba aika a tabe n rikirake, riki n aaba aika a nang uarereke rikirakeia, bon ibukin ae e karako mwanan aaba aikai, e memere rikiraken taian rabakau aika a boou n ikotaki ma kamwaingakia, ao mwaitia.³⁸ Rikiraken rabakau aika a boou, e na bon buokia aaba aika a tabe n rikirake n ibita baoia ni mwamwananga nakon ae e uarereke tinakon te kaeti ma iai.³⁹ E ngae n anne, aaba aika a karako aia katauraoui a kona n tabetai n nori buakakan tabeua rabakau aika a boou aikai, n aron, te tabo ni mwakuri ae e na uarereke bonganao ai bon kabonganan rabakau ma atatai ao kabonganan taabo ni karao bwai (suppliers) man aaba tabeua.*⁴⁰

Angiin taabo n ununiki, te mwakuri n te buakonikai, ao kabonganan aaba tabeua – agriculture, forestry, and other land use (AFOLU), a karekei aanga aika a tamaroa ibukin bitakin tein te maiu ao kabebetean kanganga aika a kona ni kekerake n taai aika a na roko ni kabuta taian aono.⁴¹ E ngae n anne, bon iai naba taian kanganga ni kabonganan te AFOLU ibukin kabebetean kanganga bwa te totoko n aron ae e aki tau te mwane ni buoka, e mamara te tautaeka, a raraoma taan bwaibwai n te aba, e uarereke te karekemwane ao e kanganga aron reken te karekemwane man taabo tabeua.**⁴² Tabeua aanga, n aron kateimatoan taian otabwanin ae e korakora iai te kaeti ae te carbon (n aron, aaba aika a aomwaimwai, aaba aika a onrake n te uteute, taian tongo ao ai bon te buakonikai), a karekei taian kabwaia n te tai ae e tawe.⁴³

31 SPMA.4.5

32 Longer Report Section 2.2.2

33 SPMA.3.6; SPMA.4.4

34 SPM Footnote 15; Effectiveness refers to the extent to which an adaptation option reduces climate-related risk; Section 2.2.3

35 SPMA.3.2

36 SPMA.3

37 SPMC.6.4

38 SPMA.4.5

39 SPMA.5.4

40 Section 2.3.1

41 SPMC.3.5

42 Section 2.3.1

43 SPMC.3.5

* = Te konabwai ae e bon tau

** = Te konabwai ae e korakora

*** = Te konabwai ae e rang korakora