



# Mamautari Newsletter

MFMRD Bairiki, Tarawa P.O Box 64 Phone no: 21099 Fax no: 21120

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## Kanoan am Beeba iteranibaa

Kaukan ana kambwana Kiribati ibukin  
iokinibwaian te ika, KFL 1

Te moantai ni karaoaki ana bong te  
Sandwatch Day 2

Karababan ana tia Kiribati I  
kabin Marawa (extended continental  
shelf) 3

Kinakin tian ana marawa Kiribati ir-  
oun te UN 3

E mwakoro te reben iroun buun te  
minita ibukin te aono ni Mainiku 4

Te onobwai nakon ana nei ni baneawa  
Ecofarm 5

Katabangakan oin taben te Botaki n  
Akawa nakoia kain te itera maiaki 6

## Rongorongo aika kimototo

Tamnein kanoan ana bong Sand-  
watch 2

Student Corner 3

Ana CEO ao Captain te kambwana  
ae Te Atinimarawa 4

Tamnein uruakin ana nei ni  
baneawa Ecofarm 5

## E a uki mataroan ana moan kambwana tei Kiribati ibukin iokinibwaian te ika, Kiribati Fish Limited



E a uki nako mataroan te mai irouia taan akawa n ae KFL. Bon iai tiaitin ke  
kabwaia nakon tei aron te atiburu ao te ingi- abwakin ma rawatan te ika  
Kiribati riki nakon te tia mea ibukin iokinibwaiana are a bon kakatannakoaki  
akawa n ana moan kamb- nako tinaniku. ma aron tein booia. Aio e  
wana ni karao ika te N te tai aio ao ai bon akea bon kona n reke  
Tautaeaki ni ana kanganga te tia akawa rongorongona nte Kiribati  
Kiribati are kaukaki ni 8<sup>th</sup> ibukin mwaketenan ko- Fish Limited.  
n Ritembwa te ririki ae nana te ika bwa are ea bon  
nako. Te kambwana aio e tauraoi ngkai te tabo ae  
a tauraoi ngkai ni kona ni kaboa nako ana  
butimwaai ika aika boou ika iai bwa te kambwana

## Te moan tai ni bukamaruaki iaon Kiribati ana bong te Sandwatch Day

E a tia n rineaki te bong ae 21 September 2012 bwa ana bong te Sandwatch Day. Te bong aio ena riki bwa katanoataan ao karikirakean ataakin ana waaki te

Sandwatch nakon te botanaomata. Bwa ana ataia bwa ana kanga n tararua ao ni kawakina biken abaia.

Te bong aio are e bon rineaki irouia Kometen te Sandwatch are e a tia n tei ao e kaainaki irouia taan reirei man JSS, kauarinan reirei iaon Tarawa, kaain te Curriculum man te botaki n reirei, kaain te Minerals Unit man te botaki n akawa ike a bobowi n katoa namwakaina ibukin noorakin mwiin aia mwakuri reirei nako ake a tia n rinei bwa ana karaoi man ana boki (manual) te sandwatch ao ni waakini ma ataein aia reirei.

Tiaki tii ngaia ma e bon teimatoa naba n riki te bike bwa nen te mange ao te tabo n nakotaari

iroura ngaira aomata. Ni kanoan te Sandwatch Day aio ao bon iai te kabo n te kaitiaki are e na karaoki ni moa man te Moanibong ae 17 nakon 19 n September. Bon iai te kanuanga nakon te reirei are te kabanea n mwaiti ni kakanoa ana Green bag n mange ake aki mka ao te kabanea naba n itiaki ana bike.

N te Kanimabong ae 21 n September ao ea bukamaruaki kanoan te Sandwatch Day are e bon kanoaaki ni kaotan mwiin aia mwakuri reirei aika kakaokoro nako ake a tia n karaoi man kanoan ana manual te Sandwatch n taai aika nako ao ni ikotaki ma ake a karaoi inanon aia tai n kaitiaki nte wiki anne.

Ana boto n iango te Sandwatch n te tai aei bon "Ara bike rerei". Sandwatch e boutokaaki iroun Te Karikirake ae

Enviroment Safe Aggregate for Tarawa (ESAT) Project ni ikotaki ma Ministry of Fisheries and Marine Resources Development (MFMRD), Te Ministry of Education, ao ai te United Nation Educational, Sceientific and Cultural Organization (UNESCO). Te rabwata ae te GIZ ao te German Cooperation ngaia ake a rangi ni korakora aia buoka nte mane ibukin kanakoraon te bong aio. Kiribati Te Boboto ngaia are e karekei green bags ma te gloves ibukin te kaitiaki.

## E teimatoa tararuakin Fish centres iaon abamwakoron nako Kiribati, Maiana Fish Centre

A karaoa mwanangaia kain te tiim man te Botaki n Akawa ni mwangana ae Policy

and Devolopment Division ian te karikirake are tabe ma karikirakean

aroia taan akawa nte ...reitana i/b 3...

## Tamnei tabeua n tain bukamaruan te Sandwatch Day



Ataein St Patrick High School a boutoka tararuan itiakin te bike



Ataein Moroni High School e teimatoa tararuan mataniwin abaia



Ataein William Goward Memorial College inanon aia tai ni kaitiaki

## Student corner

Te rakai bon MOAN, NUUKAN ao MWIIN maeun te I-Kiribati. Akea te rakai, akea te maeu.

This is why it is very wise to study them

Tarawa & Abaiang coral communities are becoming more resilient to thermal stress

This will mean that others may die whilst the fittest will survive

Porites are shown great resiliency to thermal stress as observed on Tarawa & Abaiang

Interestingly if this thermal stress continues to occur like what has been observed, then, the lesser diverse species will be found in Tarawa & Abaiang

When other coral species died out will mean the collapse of some fisheries

When this is happening, this is actually shown a devastating impact of climate change on our coral reefs/fisheries

This will also affect our livelihood & food security on our small highly vulnerable islands

In general, Butaritari has greater coral cover and healthier than what we have on Tarawa & Abaiang  
It has lesser impact of thermal stress as it is further away from the equator

...reitana i/b 4...

## Karababan ana tia Kiribati I kabin marawa (Extended Continntal Shelf)

Te Extended Continental Shelf bon te tia are I kabin marawa (continental shelf) are e raka ia on 200m (Exclusive Economic Zone) man te aba. Iai aua taabo ake ea tia ni bubuti Kiribati nikon te rabwata are tabe ma te itera aio ae te UN ni mwangana ae te

Ocean and Law of the Sea bwa ena karaka ke ni karababa riki ana marawa I antari iaan noran te kaubwai are ea tia ni katarataraki ao n noraki n taabo aikai, ni uakaan ma te aono n Raina ao Rawaki.

E karaoaki te tabeka aio n 24 n December 2012 ao ena ongoraeaki ana

kaeka te UN mai imwin rinanoan bwaai ni kabane ake a riki bwa ana kakoaua te tabeka aio inanon August 2013.

## Kinakin tian marawan Kiribati iroun te UN

Te iaontia I taari ma aba ake a uakaan ma aban Kiribati tiaki ti ibukin marin abara ae te ika ma ngaia bon ibukin naba kaubwai ake I kabin marawa.

N Beberuare 11 nakon 15 ao Nei Emily Artack man SOPAC ngaia are ea tia ni mwakuri ma te Ministry of Fisheries and Marine Resources Development (MFMRD) ni mwangana ae te Mineral ao te Ministry of Environments Lands and Ag-

riculture Development ni mwangana ae te Lands iaon tiaia (coordinates) aika boou ibukin karinakia n ana tua Kiribati (Marine Zone Act )ao riki ibukin karinakia n te UN ni mwangana ae Division of Ocean Affairs and the Law of the Sea ibukin kinakin tian Kiribati n te aonnaba.

Man tiia aikai ao ena rangi ibuobuoki nakon Kiribati ni kona n katuaaai kaibuke ake aki

raitienti ngkana a kuneaki n akawa inanon te tai aio n te tuua ae korakora. Te tia naba aio are ea ibuobuoki nakon Kiribati ao aaba ake a uakaan ma ngaia n ataia bwa enga taabo aika e bwaibwai iai Kiribati ao enga ae tiaki.

## E teimatoa tararuakin Fish centres iaon abamwakoron nako Kiribati, Maiana Fish Centre

ririki ae nako ibukin bwa nte tai aio moa ao te maiu ke ni buti bwaina tuoakin te fish center n te Fish center bon iai ana abamwakoro ae Maiana. kanganga nakon tianarai-N ana riboti te aobitia are ngaia tabena te itera uruaki. Ngkai e bon ti aio ao e taekinna teuaio

Man tiia aikai ao ena rangi ibuobuoki nakon Kiribati ni kona n katuaaai kaibuke ake aki

...reitana i/b 4....



## E a uki mataroan ana auti ni kamwaitoro te abamwakoro ae Butaritari.

E a bobonga raoi ngkai ao ni kona n waaki ana auti ni kamwaitoro te abamwakoro ae Butaritari imwin kauka are e karaoaki inanon te nawaaina ae November.

17 n November, 2012 are e a mwakoro iai ana reeben ana auti ni kamwaitoro te abamwakoro ae Butaritari ni kaotia bwa e a tauraaoi ao ni kona n waakina ana waaki te abamwakoro aio ma ana auti ni kawaitoro are e a bobonga raoi ngkai ma bwaina nako.

E mwakoro te reben iroun buun te minita ibukin te itera mainiku ae Nei Naomi Temoku n taorimwiiaki ma kamataku ao ai kanoan nako te mwaneaba ma te baka n amwarake ae

koro arona are e a katauraoaki irouia kaain Butaritari.

Irua ake a reke irakin te kaukuuki aio irouia bon tabeman minita man ana botaki n mwakuri te Tautaeaka aika kaka-okoro, Taan Koroboki, ao ai bon tabeman riki ake a iri man botaki ni mwakuri ake tabeua.

E ngae n anne ao a bon reke naba rokoia n kaea te kaukuuki aio te moan tia koroboki n ana aobiti Tiaban are e tei I Biti ae Mr Takato Maki ni ikotaki ma te Beretitenti n te Overseas Fishery Cooperation Foundation (OFCF) ae Mr Shinba Fukuda ake a roko mai Biti ibukin te kaukuuki aio ao ai bon te tia tei ibukin te Tautaeaka n Tiaban na-

kon Kiribati are e aobiti n ana tabo te botaki n akawa ae Mr Keizo Takashi.

N aron ae ataaki ao te karikirake ae kataeakin auti ni kamwaitoro iaon abamwakoron nako Kiribati bon ana kareke bai n waaki te Tautaeaka n Kiribati ma te Tautaeaka n Tiaban.

Ni bwaranakon te bukamaru ae koro arona aio n te bwakan taai naba anne ao a irianaki irua ma bwain tangira ake a karekeaki irouia kaain Butaritari n aron te kie ma te banana.

## E teimatoa tararuakin Fish centres iaon abamwakoron nako Kiribati, Maiana Fish Center

tianaraita are teuana, ma bon akea te kanganga ngkai e buti n ti teuana tianaraitana.

Nte tai ae aki maan ao ena waekoa ni karaoaki te onobwai nakon te itianaraita are uruaki.

E reitia n taekinna teuao bwa n rokoia nte aba aio ao e bon reke naba aia tai n ongora man aia itera taan

akawa ni irekereke ma te kanganga are a kaitibo mangaai ibukin karikirakean aroia. N aia kaeka taan akawa nakon te itera aio ao a taekinna bwa e bon rangi ni korakora kaina-noan te bwai n akawa n aron bwai n tebo, matau ao a mwaiti riki bwa tera ngke e bia katirauaki bwai n

akawa n aia fish center n te aro bwa ana kona ni kabooi aia bwai mai, riki ngkai e bon raroa nako ma Tarawa

## Student Corner

Coral communities on Butaritari will however, be seriously (*more*) affected by thermal stress because they are not used to thermal stress. Coral species is more diverse in the Marshall Islands than what we have in Kiribati.

## Ana CEO ao ana Captain te Atinimarawa Company limited



Man te maing bon te Kaben ae Toromon Katua, mai nuka bon te Chief Executive Officer (CEO) ae Nei Tekiete Tutu man te maing bon te manatia n te karikirake ae te Enviroment Safe Aggregate for Tarawa (ESAT) ae Nicholas Harding.

“Ara bike rerei” tararua itiakin biken abam. Kawakina biken abam mai ikanne ao ngai mai ikai.

Tamnei tabeua iaon uruakin ana nei ni baneawa te Ecofarm



Iteran te nei mai mainiku e bon rotaki man korakoran te iabuti ma te ang, e urua te bono



Iteran te nei mai maeao e bon kanakinako.



Ni korakoran te ang ma te karau ao ea Kana nako te tano are I tinanikun te bono

## Te onobwai nakon ana nei ni baneawa te

### EcoFarm are I Temwaiku iaan ana buoka OFCF

E karaoaki te onobwai nakon ana nei ni baneawa te Eco-farm are I Temwaiku ni bongin te namwakaina ae 9 nakon 30 ni May te ririki ae nako. N te ririki are ti karekea mai iroun te aobitia are e tabe ma te itera aio ao e taekinna teuaio bwa te uruaki aio e bon rangi ni korakora riki nakon boono ake a otabwaninia te nei. Uruaki aikai a bon riki man imwin

ni karaoaki. N te tai aio ao a bon kabonganaki baeki ni buriki ibukin totokoan te kanganga aio. E kairaki te onobwai aio iroun te intinia man te Public Works ae Nei Hitomi Iwamssa ao man boutokaki man te karikirake ae OFCF.

## Te kakae n ana tabo n anai tano ma atama te kambwana ae Te Atinimarawa Company Limited



Man te maing bon Robert Smith are kaira te kakae n te tabo n anai tano ao atama



LC Tekimarawa ibukin te anai tano ao atama

A toko rangaia kain te tiim man SPC-SOPAC n 20<sup>th</sup> ni Beberuare te ririki aio ibukin karaoan te kakae iaon te boom nte tabo are ea tia ni katarataraki bwa ana tabo n anai tano ma atama ana kaibuke te kambwana ae Te Atinimarawa.

Naakai bon Mr Peni Baselalal Naqau, Mr

Robert Smith ao ai Mr Donato Tuibucabuca Roqica. Te tabo aio e bon mena I maeaoon te uaabu I Betio ao e kantaningaki bwa ena karaoaki te kakae inanon te maan ae teniua te wiiki. Te katautau ae e a bwabwaki bwa ena roko

LC Tekimarawa inanon te namwakaina ae Maati n te ririki aio. N te tai aio ao ae bon tabe naba ngkai ni waakinaki kakae akia taan mwakuri ao riki katauraokia kaimoan te kaibuke imwain rokona.



## Katabangkalan oin taben te Botaki n Akawa nakoia kain te itera maiaki

A kitana Tarawa n 18 kauu ika ao karaoan te bongin March, 2013 angka ena karaoaki kain te tiim man te nakoia kain aba aika Botaki n Akawa nakon Kuria, Nikunau, Arotabeua abamwakoron Kiribati man te itera ao ai Arorae. Aio bon maiaki. Oin te mwananga aio bwa ana bon katanoata ke ni kaoti oin taben te botaki ni mwakuri aio nakoia te botanaomata. Aba ake ana karoko iai kain te tiim aio bon Kuria, Aranuka, Nonouti Tabiteuea Meang, Tabiteuea Maiaki, Onotoa, Beru, Nikunau, Tamana ao ai Arorae.

E bon rangi ni mwaiti bwaai aika ana karaoi kain te tiim aio ao a bon tatannako naba aba ma bwaai ake ana karaoaki iai. Te ware ika I antari, kabwakan bwaai ni kauu ika, te bono raran nakon booti aramanim, katean antena, te onobwai nakon tianaraita, te kamaiu I taari, te reirei iaon tararuakin baneawa, ao ai kabwakan te bun.

Te ware ika iantari ena bon ti karaoaki nakoia kain aba aika Arorae ao Nikunau. Te waaki aio e bon karaoaki ibukin norakin marin aba aikai riki te ika bwa ika ra aika e rangi ni korakora anakina ao ika ra aika e karako anakina.

Kabwakan bwai ni

kauu ika ao karaoan te angka ena karaoaki nakoia kain aba aika Kuria, Nikunau, Arotabeua, Tamana, Onotoa, ao ai Arorae. Aio bon te anga ni ibuobuoki nakoia taan akawa, bwa ana aki rangi ni maan n raraea ian te riringa ao man kai reke naba konaia. Tiaki ti ngaia ma e na bon kauarerekea naba te kanganga ae te betinako iroiua taan akawa. Te bono raran nakon booti aramanim ena karaoaki nakoia kain aba aika Nonouti, Tabiteuea Maiaki, Tabiteuea Meang, Beru, Onotoa, Arorae, ao ai Nikunau. Ian noran aia kanganga kain buki ao te Botaki n Akawa e bon moanibwaia aia kanganga taan akawa riki ngkai bon ti te akawa aia anga ni kareke mwane irarikin te ben.

Katean antena ena karaoaki nakoia kain aba aika Kuria, Aranuka, Tamana, Onotoa ao ai Beru ibukin karekean te reitaki imarenaia aba aikai ma Tarawa iaon ribotinakin bwaai aika

a kainanoaki ibukin te auti ni kamwaitoro.

Te onobwai nakon tianaraita ena karaoaki nakoia kain aba aika Nonouti, Tabiteuea Meang, Tabiteuea Maiaki, Nikunau, Arorae, Tamana, Onotoa, Beru, Aranuka. Ibukin kateimatoan raoiroin tianaraitan auti ni kamwaitoro n aba aikai.

Te kamaiu I taari ena karaoaki nakoia kain a b a a i k a Onotoa, Tamana, Arorae, ao ai Nikunau. Aio are e noraki riaina te Botaki n Akawa bwa ana bon riain reiakinaki iai taan akawa, bwa rimwi ena iai tekanganga ae karina nakoia raoia n akawa ao ana kona ni karaoi waaki ni kamaiu I taari.

Tararuakin baneawa ena karaoaki nakoia kain kain Beru, Nikunau, ao ai Tabiteuea Maiaki.

Kabwebwean te bun ena karaoaki nakoia kain aba aika Onotoa ao Beru. Aio ai bon tibwa te moan kakatai are ena karaoaki nakon aba aikai ni kabwebweaki te bun iai.

Te mwananga aio bon

...reitana n te atai...

Tamnei tabeua imwain te mwananga nakon te itera maiaki



Tabeman mai ibuakoaia taan mwananga nako n te itera maiaki



te bun are ena kabwakaki I Onotoa ao I Beru

## Katabangkalan oin taben te Botaki n Akawa....

te waaki ae a tataneiai ni kakaraoia te Botaki n Akawa ni katoa ririki ibukin katabangkalan ke katanoataan oin tabena nakoia te botanaomata. Manin te mwananga bon tenibwi ma nimaua te bong (35 days).