



# Ol ekosistem long solwara na ol fiseris



Infomesen bilong ol nambawan samting ol lain i bin painimaut long Pasifik. Dispela infomesen i kam long United Nations **Intergovernmental Panel on Climate Change's** (IPCC) Sixth Assessment Report (AR6) on Impacts, Adaptation and Vulnerability



## OL SAMTING I GAT LAIP NA PLES INSAIT LONG SOLWARA

i wok long senis bikos long



tempritsa bilong solwara i go antap



mak bilong solwara i go antap



mak bilong esid insait long solwara i go antap



mak bilong oxygen insait long solwara i go daun



ol bikpela weda nogut

OL SENIS



straksa bilong ol korel na ol rip i lus



ol kankain binatang nogut i kamap planti



**Pasin bilong ol plent na animal bilong ol solwara na nambis i lus na ekosistem tu i lus**

em i wanpela bikpela samting nogut we i ken kamap

namba bilong pis i go daun



senis i kamap long ples we ol pis i save stap long en



**Ol rot bilong stretim dispela hevi we i bihainim pasin bilong neitsa (nature)**

i ken kamapim planti gutpela samting



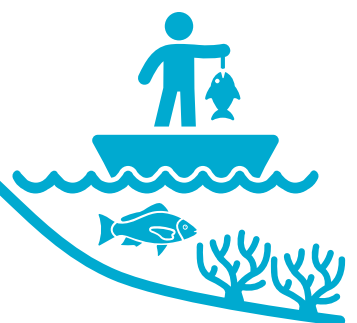
**Ol narapela rot bilong senisim pasin**

em i toktok long pasin bilong kamapim ol kankain we bilong mekim mani na kisim kaikai na na senisim ol pasin bilong bipo

OL PASIN BILONG SENIS

## RIDGE TO REEF

em i pasin bilong yusim stretpela na gutpela pasin long ol wanwan hanwara



Dispela infomesen pepa long Tok Pisin, pastaim tru i bin stap long Tok Inglis, na ol lain long ANU na SPREP i bin tanim I go long Tok Pisin na i raitim. Mipela mekim strongpela wok long traिम bihainim gut olgeta toktok na tingting bilong dispela ripot bilong IPCC. Tasol i ken I gat sampela senis I kam insait, long taim bilong tanim tok. Sapos yu no klia gut long ol toktok insait long dispela ol infomesen pepa, plis yu mas raitim pas I go long [iceds@anu.edu.au](mailto:iceds@anu.edu.au) o [pccc@sprep.org](mailto:pccc@sprep.org).



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## WANEM SAMTING I WOK LONG KAMAP

**Ol samting i gat laip insait long solwara olsem ol korel rip, mangro na ol gras bilong solwara i wok long bagarap na, na sampela bilong ol i bagarap olgeta.** Ol samting i gat laip insait long solwara i wok long kisim hevi bikos tempritsa bilong solwara i wok long go antap, mak bilong solwara i wok long go antap, ol weda nogut tru i wok long kamap, mak bilong oxygen insait long solwara i go daun, na solwara i wok long i gat moa esid (acid) insait long en. Dispela hevi bilong ol solwara envairomen i lus i kamapim senis we i no gutpela long ol samting i gat laip long solwara na ol nambis i wok long bagarap. Na tu, namba bilong ol impoten pis i wok long i go daun na dispela i pasim ol rot bilong ol manmeri long kisim kaikai.<sup>2</sup>

**Ol solwara i hot longpela taim.** Dispela i save kamap planti taim na i putim presa long ol samting i gat laip long solwara na ol ekosistem.<sup>\*\*\*</sup> Planti moa korel i wok long kamap wait (bleaching) na i dai. Na narapela samting tu, blitsing (bleaching) i kamap klostu klostu, dispela i mekim na ol rip i no gat inap taim long kamap orait gen.<sup>3\*\*</sup> Planti ailan insait long Pasifik i wokim pinis ol ripot i soim olsem namba bilong ol korel bilong ol i wok long go daun.<sup>4</sup>

**Ol mangro i kisim bikpela hevi bikos long klaimet senis, pasin bilong katim ol diwai na pasin bilong i no tingim bihaintaim na kamapim divelopmen long ol nambis.** Ol mangro i wok long surik i kam klostu moa long nambis bikos mak bilong solwara i wok long go antap na ol i ken pinis olgeta. Ol tropikel saiklon i kamapim tu ol birua long ol dispela ekosistem. Planti liklik ailan i bin rekodim bikpela namba bilong ol mangro i pinis.<sup>5</sup>

**Tempritsa bilong solwara i go antap na dispela i mekim na namba bilong ol binatang nogut bilong solwara i go antap tru.** Ol saveman long olgeta hap bilong graun i tok olsem sik i ken mekim na ol korel rip i pinis sapos blitsing i wok long kamap yet insait long sampela tenpela yia i kam, na Pasifik em wanpela bilong ol ples we senis bai kamap long en hariap tru.<sup>6</sup>

**Taim ol kainkain plent na animal na ol envairomen bilong nambis na solwara i lus, dispela em i bikpela birua long ol liklik ailan kantri.<sup>1</sup> korel blitsing em i wanpela samting nogut we klaimet senis i as bilong en na em i wok long kamap ples klia na i go moa long kainkain hap long ol liklik ailan, i gat planti narapela samting nogut i wok long kamap long ol ekosistem bilong solwara.**

1 15.3.3.1.3

2 FAQ 15.3

3 Sapta 15, Executive Summary

4 15.3.3.1.3

5 15.3.3.1.3

6 15.3.3.1.3

\* = i no gat strongpela tingting tumas

\*\* = strongpela tingting

\*\*\* = bikpela bilip tru

# WANEM NARAPELA SAMTING I KEN KAMAP

**Klaimet senis wantaim ol wok ol man i save mekim bai wok yet long mekim nogut long ol korel rip, ol sigras, ol mangro na long ol ekosistem bilong nambis.\*\*\*** Taim ol dispela ekosistem i wok long lus, ol pis na ol narapela samting i gat laip bai lus na ol lain bilong turis na fiseris we ol i yusim ol dispela samting long kism mani, em ol tu bai pinis.<sup>7</sup> Na tu, taim ol ekosistem i bagarap, dispela bai i mekim ol gutpela samting bilong ol dispela ekosistem, we i impoten long ol ailan komyuniti, long pinis.<sup>8</sup> Sampela eksampel bilong ol dispela gutpela samting i olsem, ol korel rip, ol mangro, na gras bilong solwara i save daunim sais bilong sibruk na i ken lukautim rot bilong ol manmeri long kism kaikai. Na moa yet, ol mangro we i ken daunim spit bilong graun i lus, em ol i ken painim hat long gro bikos long mak bilong solwara i go antap.<sup>9</sup>

**Maski i no olgeta rip i ken kism wankain bagarap long tempritsa i go antap – sampela bilong ol rip bai kism bikpela hevi bilong blitsing long olgeta yia, sapos ol samting em ol saveman i tingting long ol i kamap tru.\*\***

Dispela i ken mekim na korel i ken lus moa wantaim ol rip pis bilong em tu i ken lus, na dispela em i ken daunim strong bilong korel long gro gen.<sup>10</sup> Na tu, bikpela namba bilong ol korel we i save kamapim ol rip bai i lus long sampela tenpela yia i kam sapos ol samting we ol saveman i tok lukaut long ol i kamap tru bihainim 1.5°C Paris Agreement.<sup>\*\*</sup>

**Ol saveman i tok olsem namba bilong olgeta samting i gat laip insait long Pasifik Ocean bai go daun sapos ol samting we ol saveman i tingting long en i kamap tru bihain, na dispela bai mekim na ol manmeri i hatwok long painim ol kaikai.<sup>11\*</sup>** Na tu, ol i tok olsem, i go inap long 2050, klaimet senis i ken pinisim 20% bilong ol korel rip pis prodaksen long sampela ailan kantri bilong Pasifik. Dispela i ken mekim na namba bilong pis we ol manmeri laik kism bai winim namba bilong pis we i orait long ol i ken ketsim.<sup>12</sup>

**Ol saveman i tok olsem klaimet senis bai senisim ol ples we ol samting i gat laip insait long solwara (em ol i impoten tru long wok bisnis bilong Pasifik) i save stap long en.** Eksampel, ol saveman i tok olsem skipjack na yelofin tuna bai muv i go long hap is. Dispela bai daunim namba bilong ol tuna we ol lain i ken ketsim insait long ol hap we 10-pela ailan kantri bilong Pasifik i save ketsim pis long en na ol teritori. Na dispela namba bai i go daun inap 10% i go inap long 2050.<sup>13</sup>

7 15.3.3.1.4

8 Sapta 15, Executive Summary

9 15.3.3.1.4

10 15.3.3.1.1, 15.3.4.4

11 SPM.B.4.3

12 15.3.4.2

13 Sapta 15, Tebol 15.5

14 Lukim Infomesen Pepa bilong 'Ol ekosistem bilong solwara na ol fiseris' long kism moa infomesen.

## Ol samting nogut we klaimet senis na ol ektiviti bilong ol man i mekim long ol korel rip na long fiseris.

	Ol senis i kamap insait long solwara	Ol narapela senis we ektiviti bilong ol manmeri i kamapim	Ol samting we i kamap bikos long ol dispela senis
<b>Ol korel rip</b>	Solwara i kamap hot   Mak bilong esid i go antap insait long solwara   Ol bikpela win na ren nogut   Mak bilong oxygen insait long solwara i go daun  Korel blitsing   Korel i raus long straksa bilong rip   Bikpela win na ren i kamapim bagarap	Polusen   Nupela graun i kamap   Graun i raus   Ol narapela senis  Mekim ol algi i gro na spred hariap   Bomim solwara long kism pis   Pasim rot bilong korel long gro	Envairomen   Pasin bilong mekim mani   Gutpela Sindaun  Ol samting i gat laip na ples we ol samting i gat laip i stap long en i lus   Namba bilong ol pis we ol manmeri i ken ketsim bai i go daun   Banis bilong ol nambis bai i lus
<b>Ol fiseris</b>	 Ol animal bilong solwara i muv i go long narapela hap/narapela animal bilong solwara i muv i kam  Ol liklik animal we i save kamapim sel i raus  Sais bilong ol samting i kamap liklik	 Mekim ol pis i dai  Kism pis long mak we i antap tumas  Wokim ol nupela bilding long nambis	 Disteb bai kamap long ol envairomen na ol samting i gat laip  Prais bilong mekim ol wok long nambis bai i go antap  Ol ples we ol fiseris i save wok long en bai i senis

Ol korel rip na fiseris i wok long kism hevi we klaimet senis na ol ektiviti bilong ol man i kamapim. Wok bilong stopim ol samting nogut we ektiviti bilong ol man i mekim long ol ekosistem i ken daunim ol hevi we i ken kamap bikos long klaimet senis [5.21], eksampel, yusim rot bilong 'ridge to reef' menejmen sistem.<sup>14</sup>

## OL SAMTING YUMI KEN MEKIM

### Pasin bilong lukautim na stretim bek gen ol envairomen i ken kamapim kainkain gutpela samting taim ol i disainim ol gut na ol bihainim gut ol dispela disain.\*\*

Pasin bilong bungim Indigenous Knowledge and Local Knowledge (IKLK) i go insait long ol dispela disain em i bikipela samting long lukautim na stretim bek gen ol envairomen. IKLK i gat ol projek bilong lukautim na stretim bek gen envairomen long Fiji na ol i painimaut wanem ol samting i gat laip i gutpela long strongim ol envairomen bilong nambis na stopim hevi bilong graun i lus long nambis.<sup>15</sup> Ol narapela pasin bilong lukautim na stretim bek gen envairomen em pasin bilong lukautim wara, stretim bek envairomen na planim gen ol mangro bilong banisim nambis.<sup>16</sup> Tasol, ol dispela pasin bilong lukautim na stretim bek gen envairomen i no inap wok gut bikos long tempritsa i go antap na ol senis bilong klaimet.<sup>17</sup>

### Wanpela rot bilong 'Ridge to Reef' menejmen i ken strongim ol wok bilong lukautim ol ekosistem bilong solwara na solwara i kamap gut gen.

Dispela rot i save bungim ol kain wok olsem: wok bilong menejim gut ol diwai na ol gutpela samting insait long wara na wok bilong rausim ol doti wara long ples we em i no inap go aut long solwara. Ol dispela wok i ken daunim ol hevi we ol ektiviti bilong ol man i save putim antap long ol korel rip.<sup>18</sup>

### Ol lain bilong ketsim pis i senisim pinis we bilong mekim wok bikos long ol senis i kamap long envairomen.

Ol i traim mekim ol kainkain wok (olsem wok turis), mekim wok bilong larim namba bilong ol pis i go bikipela, mekim ol sosol netwok na sapot sistem i kamap gut moa na bai ol i ken lainim long stap wantaim liklik namba bilong pis, senisim ol hap bilong ketsim pis na ketsim ol narapela kain pis we ol i no bin ketsim bipo.<sup>19</sup> Wanpela bilong ol sapot ol i ken mekim long bihaintaim em long opim ol infomol stoa bilong kisim kaikai na kredit bilong lain bilong ketsim pis bihain long disasta i kamap olsem ol lain bilong sampela hap i bin mekim.<sup>20</sup> Na tu, sapos ren i pundaun moa long bihaintaim, dispela i ken mekim ol samting i gat laip insait long freswara kamap planti moa. Dispela i ken daunim presas long ol manmeri long ketsim ol pis bilong solwara.<sup>21</sup>

### Ol nupela we bilong stretim hevi i ken daunim ol birua we klaimet senis i kamapim<sup>22</sup>

#### Ol rot bilong stretim hevi we i bihainim neitsa bilong solwara na nambis

- Stretim bek gen ples we ol samting i gat laip i save stap long
- Ol eria we gavman i tok long banisim na ol OECMs
- Konsevesen bilong ol animal na ol ples we ol samting i gat laip i save stap long en
- Kisim kaikai long gutpela mak
- Menejmen we i bihainim klaimet
- Menejmen we i bihainim na lukautim ekosistem

#### Ol pasin bilong senis we i bihainim pasin na tingting bilong ol manmeri

- Kainkain save na tingting
- Ol polisi we i tingim olgeta kain grup bilong ol manmeri
- Olgeta lain i ken stap insait na givim tingting bilong ol
- Kamapim kainkain rot bilong kisim kaikai o mani samting
- Isi long muv
- Ol rot bilong kisim mani na salim samting
- Ol progrem bilong rispon long disasta
- Rot bilong gavanens we i gat planti level bilong en
- Ol wanbel i kamap namel long ol grup

#### Ol bilding na teknoloji

- Ples bilong stap na ples bilong muv
- Banisim ol samting na nambis na gutpela samting bilong strongim ples arere long nambis
- Ol sistem bilong givim tok lukaut hariap
- Ol kainkain sisen na ol nupela weda
- Ol sistem bilong putim was na skelim ol weda
- Ektiv wok bilong stretim bek gen ol samting
- Helpim wok bilong senis long kamap long envairomen



Ridge-to-reef menejmen: Long ol liklik ailan, graun, ol nambis na ol ekosistem bilong solwara, i save wok bung wantaim na ol i save stap wanwan tu. Wanwan sistem i save helpim na strongim narapela sistem long wok gut. Wok bilong lukautim na stretim bek gen wanpela o moa bilong ol dispela ekosistem bai i kamapim gutpela samting long ol narapela ekosistem. Olgeta dispela ekosistem i ken banisim ol yet na yumi ol man long weda nogut na ol hevi bilong klaimet senis.<sup>23</sup>

\* = i no gat strongpela tingting tumas

\*\* = strongpela tingting

\*\*\* = bikipela bilip tru

15 15.5.4

16 FAQ 15.2, Lukim Sapta 3, Tebol 3.3 long kisim moa infomesen bilong wok painimaut i kamap long ol wok bilong lukautim na stretim bek gen envairomen

17 Sapta 3, Executive Summary

18 Tebol 15.6, long kisim moa infomesen, lukim Piksa 15.4

19 FAQ 15.2

20 Sapta 15, Tebol 15.7

21 15.5.6

22 3.23

23 15.4