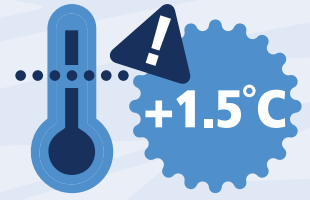




Ol samting we I ken kamap

SAMPELA BIKPELA TOKSAVE I STORI LONG OL BIKPELA PAINIMAUT LONG PACIFIC

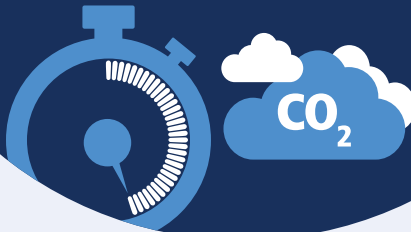
Dispela infomesen i kam long Synthesis Ripot bilong United Nations **Intergovernmental Panel on Climate Change's (IPCC)**. Dispela, em I fainol ripot bilong IPCC's Sixth Assessment Cycle (AR6). Emi bungim olgeta IPCC ripot insait long 7pela yia I go pinis.



**Ol bikpela,
hariap wok bilong
daunim mak bilong GHG
tasol I ken mekim, na hot
bilong wol bai I stap long
1.5°C o ananit long 2°C,
bipo long 2100**



Ol savelain I tok, hot bilong wol I go antap long 1.5°C bai mekim, namba bilong ol korol bai I go daun yet long 70-90



Mak bilong solwara bai I go antap moa yet, na bai stap antap inap longpela taim, long planti tausen yia



Sapos hot bilong wol I go antap long 1.5°C, bikpela hevi moa I ken bagarapim sindaun bilong ol manmeri. Ol hevi I ken kamap long sait bilong helt, bilong gutpela sindaun na sefti bilong ol man, bilong rot long painim gutpela freswara na kaikai, na sait bilong mekim mani.

Sampela senis nogut insait long Pacific, em i ken olsem :



Ol raunwin bilong Pacific I kamap strongpela moa



Taim bilong ren, ren I pundaun strongpela moa



Solwara I go bagarap, ol I kolim, solwara i gat moa esid insait long en



Solwara I kamap hotpela moa



Olgeta painimaut bilong ol savelain I soim olsem, hot bilong wol bai go antap long 1.5°C long yia 2030 nabaut.



Ol kantri bilong Pacific I kisim bikpela bagarap moa long ol arapela kantri.



Ol samting we I ken kamap



SAMPELA BIKPELA TOKSAVE I STORI LONG OL BIKPELA PAINIMAUT LONG PACIFIC

Dispela infomesen i kam long Synthesis Ripot bilong United Nations **Intergovernmental Panel on Climate Change's (IPCC)**. Dispela, em I fainol ripot bilong IPCC's Sixth Assessment Cycle (AR6). Emi bungim olgeta IPCC ripot insait long 7pela yia I go pinis.

Ol savelain I tok, hot bilong wol bai I go antap long 1.5°C long klostu taim, long taim bilong 2030 nabaut.¹ Pacific ailan kantri na teritori (PICTs) ol I bin tokaut strong long wokim wok long stap ananit long 1.5°C, long wanem, ol hevi bilong klaimet senis I kamap strongpela moa long ol lain bilong Pacific yet.²

YUMI BAI I GO LONG WE?

Klostu olgeta tok lukaut bilong ol savelain I save tok olsem, hot bilong wol bai go antap long 1.5°C long taim bilong 2030 nabaut.³ Ol savelain I tok, wok bilong liklik grinhaus ges bai mekim, na hot bilong wol bai go antap long 1.4°C, insait long 2081 I go 2100. Ol I tok, wok bilong bikpela grin haus ges bai mekim, na hot bilong wol bai go antap long 4.4°C, insait long dispela taim 2081 I go 2100.^{**4}

Ol polisi I stap long pinis bilong 2020, ol I no inapim tingting bilong strongpela wok long daunim grin haus ges. Dispela I soim olsem, ol polisi bilong grin haus ges I no inapim nid bilong wok long daunim grin haus ges. **Sapos ol polisi I not strongpela moa, ol savelain tok olsem, hot bilong wol bai go antap long 3.2°C long yia 2100.^{*5}**

Long mekim na hot bilong wol I stap long gutpela mak, olgeta grin haus ges bilong CO₂ mas stap insait long wanpela mak bilong kabon. Na tu I gat nid long daunim strong ol narapela grin haus ges.⁶ Namel long 1850-2019, yumi bin yusim 80% bilong olgeta mak bilong kabon long stap ananit long 1.5°C.⁷

Long stap ananit long mak bilong 1.5°C, arapela 20% kabon I mas stap long graun, I no ken go long win bilong wol.⁸ Tasol dispela 20% bai I pinis hariap. Long wanem, ol infrastraksa bilong fosil fiul I stapna wok yet. I gat plen long sampela nupelamoa bai I kam antap yet. Dispela olgeta bai I apim mak bilong CO₂ na bai pinisim dispela 20% I stap yet.^{***9} Sampela CO₂ bihain long 2020, em I no stap insait long ol namba ol savelain I bin yusim. Stat long 2020 I kam inap nau, yumi wokim narapela moa 84gt CO₂.¹⁰

Ol bikpela, hariap wok bilong daunim mak bilong GHG tasol I ken mekim na, hot bilong wol bai I stap long 1.5°C, bipo long 2100.^{11}** Daunim grin haus ges hariap stret, olsem nau yet, em I bikpela samting long abrusim "overshoot". "Overshoot", em I olsem, mak bilong hot bilong wol bai I go antap liklik taim, na bihain em i go daun gen long gutpela mak.¹² Bihainim dispela rot, ol grin haus ges bai i go antap, na bihain, ol I go daun gen. Rot long wokim dispela, em I bilong rausim CO₂ I stap insait long win bilong wol. Olsem, wok bilong planim planti moa diwai long kalabusim kabon gen. Dispela rot, ol I save kolim Carbon Dioxide Removal (CDR). Tok Pisin, em bai I "rausim CO₂".

ROT BILONG MAK BILONG SOLWARA I GO ANTAP

Mak bilong solwara bai I go antap moa yet. Hevi bilong ol manmeri, bilong ol ekosistem arere long nambis, na bilong infrastraksa, ol bai I go antap moa yet bihain long 2100.^{13}**

Mak bilong solwara I go antap moa, I no gat gutpela rot long abrusim dispela hevi. Long wanem, solwara I kamap hotpela moa, na bikpela ais i kamap malomalo moa. Mak bilong solwara bai I stap antap inap planti 1000 yia.^{14}** Tasol, wok bilong yumi I ken senisim mak bilong solwara: bikpela grin haus ges bai I mekim bikpela senis moa bai I kam hariap moa.¹⁵ Sampela bikpela hevi bilong solwara I kam antap, bipo, ol i bin kamap wanpela taim insait long 100 yia. Tasol nau, ol savelain I lukluk long hap bilong taitwara. Ol I tok olsem, dispela wok nogut bilong solwara I solap, nau em bai I ken kamap klostu klostu, insait long wanwan yia o moa, bipo long 2100.^{**16}

1 Summary for Policymakers (SPM) B.1
2 <https://www.sprep.org/news/pacific-islands-continue-their-fight-for-a-15c-world>
3 SPMB.1.1
4 SPMB.1.1
5 SPMA.4.4
6 SPMB.5.3

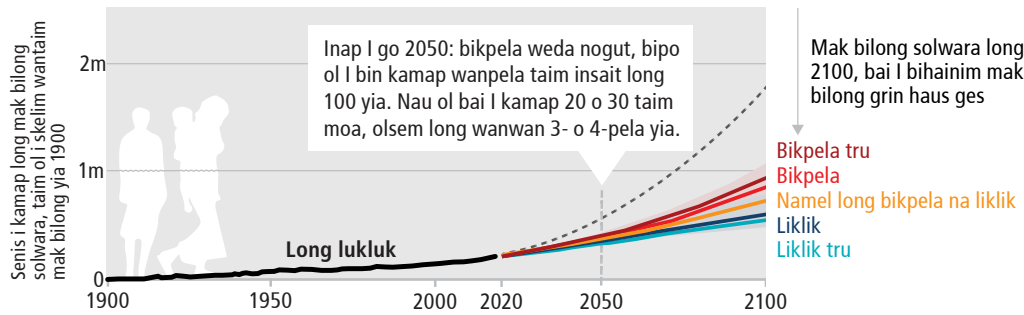
7 SPMB.5.4; This refers to keeping to 1.5°C with more than 50% likelihood. The term 'carbon budget' refers to the maximum amount of cumulative net global anthropogenic CO₂ emissions that would result in limiting global warming to a given level with a given probability, accounting for other anthropogenic climate forces
8 SPMB.5

9 SPMB.5; Based on unabated fossil fuel infrastructure (e.g. without carbon capture & storage).
10 Global Carbon Project 2022; Friedlingstein et al 2022 'Global Carbon Budget 2022'.
11 SPMB.6
12 SPMB.7
13 SPMB.2.2; Figure SPMB.4(c)

14 SPMB.3.1
15 SPMC.1
16 SPMB.1.4
* = i no gat strongpela tingting tumas
** = strongpela tingting
*** = bikpela bilip tru



Long planti 1000 yia, mak bilong solwara bai go antap moa. Tasol wok bilong grin haus ges yet bai mekim, dispela senis bai I kam strongpela moa na hariap moa, o em bai I liklik



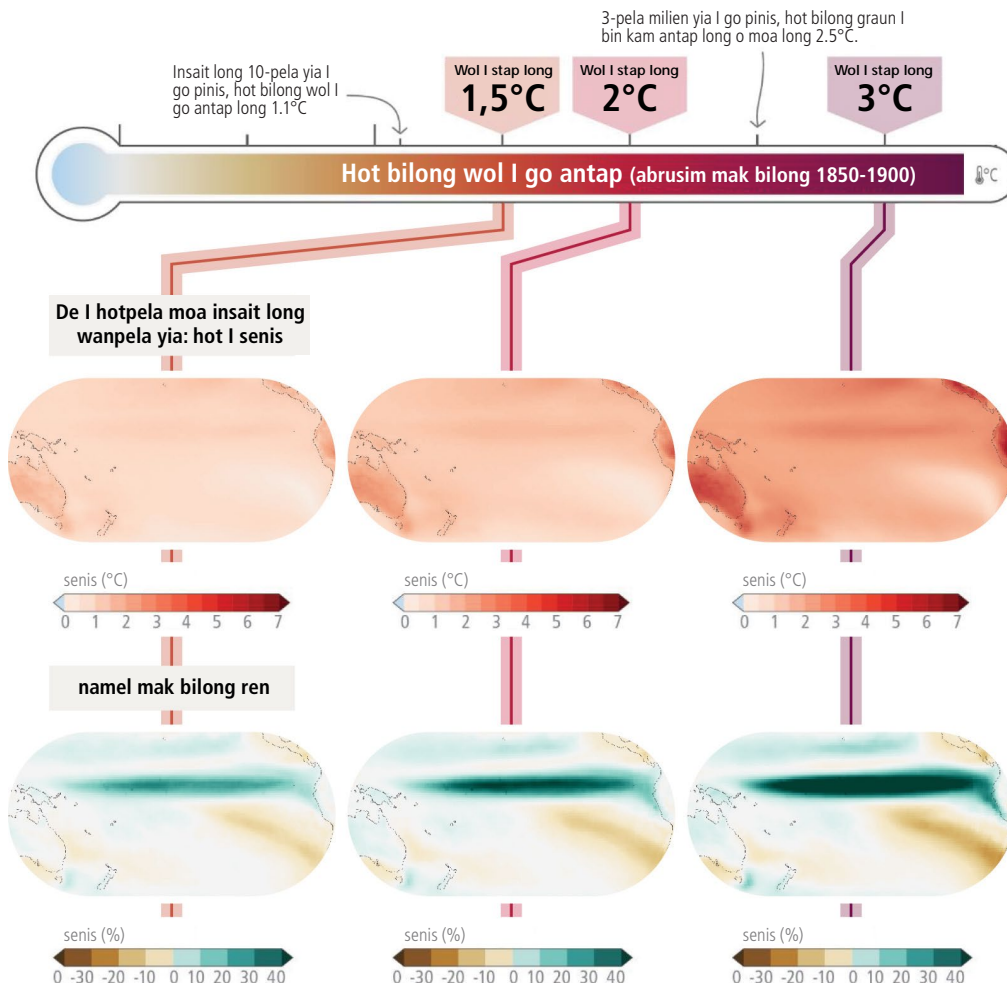
I kam long piksa 3.4. – Mak bilong solwara bai I go antap yet long planti 1000 yia. Tasol rot bilong grin haus ges bai mekim, senis I ken bikpela na bai kam hariap moa, o bai liklik. Painimaut bilong ol savelain I soim wanem senis I kamap long mak bilong solwara, taim ol i skelim wantaim mak bilong yia 1900.

Ol savelain I skelim senis long mak bilong yia 1995-2014. Painimaut I tok olsem, bigkpela mak bilong GHG bai mekim, solwara bai go antap olsem: long yia 2050, mak bilong solwara bai I go antap long 0.20-0.29m; long yia 2100, 0.63-1.01; na long yia 2150, 0.98-1.88.

WANEM SENIS NA HEVI BAI I KAMAP?

Hot bilong wol bai I go antap yet, bai mekim, ol PICTs bai I bungim bikpela hevi moa I kam long klaimet senis. Ol dispela hevi bai I kamap bikpela moa na bai hat moa long stretim.¹⁷

Dispela olgeta senis bai mekim, olgeta manmeri na envaimen bai i kisim bikpela hevi moa.



I kam long piksa SPM.2 – olgeta taim hot bilong wol I go antap, I gat planti bikpela senis I kam long Pacific. Ol savelain I skelim wanem senis bai kamap taim hot bilong graun I go antap long 1.5°C, 2°C, and 3°C. Ol savelain I skelim long mak bilong 1850–1900.

Wanwan senis long hot bilong wol I kamapim planti narapela senis. I ken senisim hot bilong de I hotpela moa insait long wanpela yia (°C), na namel mak bilong ren (%).

Synthesis Ripot piksa SPM.2 I soim wanem samting I ken kamap long "de bilong bikpela moa ren".

Long hia, mipela soim namel mak bilong ren insait long wanpela yia, I kam long IPCC Interactive Atlas.

17 Longer Report, Section 3.1.1; 3.1.2; SPMB4.2

* = i no gat strongpela tingting tumas
** = strongpela tingting
*** = bikpela bilip tru



Hot bilong wol I go antap yet, bai mekim:¹⁸

- Ol raunwin bilong Pacific I kamap strongpela moa yet[^].
- Ren bilong taim bilong ren, I pundaun strongpela moa yet^{**}
- Taim bilong ren, ren I pundaun moa yet. Taim bilong drai, drai I strongpela moa yet^{**}
- Solwara I wok long bagarap, ol I kolim "esid" moa
- Hevi bilong solwara I kamap hot moa yet, I kamap klostu klostu
- Planti animol na plent I wok long dai na lus olgeta, insait long graun, long solwara na long nambis^{**}
- Sindaun na helt bilong ol manmeri I kisim bagarap
- Ol ailan I gat rip o nogat, ol I kisim bagarap, olsem sindaun bilong ol asples I bagarap. Ol no ken stap long ples na ol I mas lusim^{**}
- Hevi I pasim ol rot bilong painim gutpela freswara na kaikai, na mekim gutpela mani. Mani I kam long painim pis, agrikalsa na turism I wok long go daun.^{**}

[^]Sampela narapela ol ripot I lukluk long rijen bilong Pacific, ol I givim ol kainkain toktok long ol raunwin bai I kamap. Sampela moa toksave na stori yumi ken ritim insait long Pacific Islands Climate Change Monitor 2021 na Climate Change in the Pacific 2022.

Ol savelain I tok olsem, ol nupela grin haus ges bai I bagarapim weda bilong planti hap insait long wol.**

Eksampel: olgeta taim hot bilong wol I go antap, bikpela moa weda nogut na bikpela hot na ren tumas I save kamap.^{**19}

Hot bilong wol I go antap long 1.5°C bai mekim, bikpela bagarap moa bai I kamap long ol manmeri na envaimen, bai I strongpela moa long tude.²⁰**

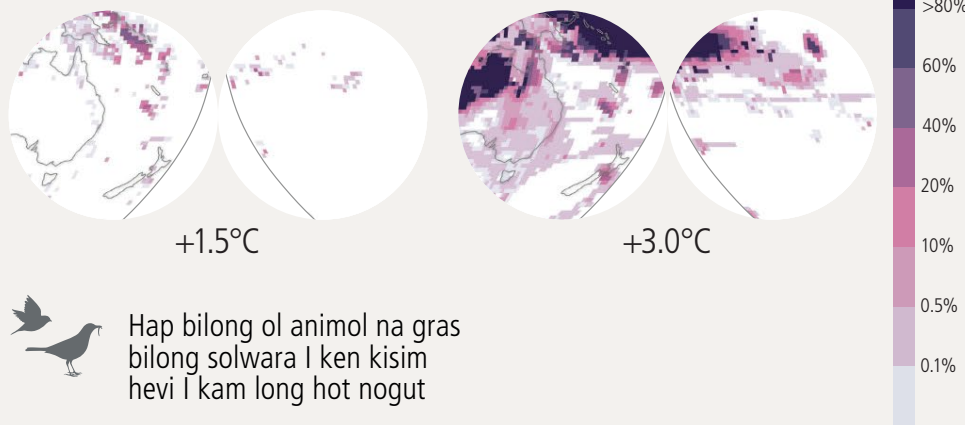
Hot bilong wol I go antap bai mekim, ol hevi bilong klaimet bai bagarapim helt na gutpela sindaun na sefti bilong ol manmeri. Ol bai I pasim rot long painim gutpela freswara na kaikai, na sait bilong mekim mani. Sapos hot bilong Graun I go antap yet, hevi bai I kamap bikpela moa yet.

Hot bilong wol I go antap bai mekim, planti moa plent na animol I lus na dai olgeta. Sampela bagarap I bikpela tumas na I no gat rot long stretim, olsem long hap kain olsem ol bikbus* na ol rip.^{**²¹}

Long sait bilong graun yet, hot bilong wol I go antap long 1.5°C bai mekim, 3-14% bilong ol tausen kain animal na plent bai I kisim bikpela hevi na dai na lus olgeta.

Hot bilong wol I go antap long 1.5°C bai mekim, namba bilong ol korol rip bai I go daun yet long 70-90%.^{**²²} Ripot I tok klia olsem, ol Small Island Developing States (SIDS) na PICTs bai I kisim bikpela bagarap moa long ol narapela hap long wol.^{**²³}

Hevi bilong lusim ol samting I gat laip



Hap bilong ol animol na gras bilong solwara I ken kisim hevi I kam long hot nogut

I kam long piksa A1.16, Working group II (WGII) Annex 1 – Klaimet senis I gro bikpela moa bai mekim na, hevi bai I bikpela moa long ol manmeri na envaimen.

Ol savelain I skelim senis long mak bilong 1850-1900. Painimaut I tok olsem, planti senis i ken kamap long bihaintaim, na agarapim namba bilong ol plent na animol. Tasol senis I narapela, long narapela rijen na long narapela mak bilong grin haus ges.

Taim hot bilon wol I go antap, hevi bilong ol kain plent na animol I kamap bikpela moa tu.

Dispela piksa I soim ol risolt insait long Synthesis Report piksa SPM.3, map tasol I narakain. Dispela map I kam long WGII Annex A1.16.

18 Longer Report Section 3.1.1; 3.1.2
19 SPMB.1.3

20 SPMB.2.2
21 Section 3.1.3 ; Figure SPM4

22 Figure SPM.4 (b)
23 Section 3.1.2

* = i no gat strongpela tingting tumas
** = strongpela tingting
*** = bikpela bilip tru