

A close-up photograph of a green leaf with numerous water droplets of various sizes. The leaf's veins are clearly visible, creating a grid-like pattern. The lighting is soft, highlighting the texture of the leaf and the glistening surface of the water.

TOK SAVE BILONG CLIMATE CHANGE NA CARBON TRADING

Produced by the Tenkile Conservation Alliance | Funded by WWF

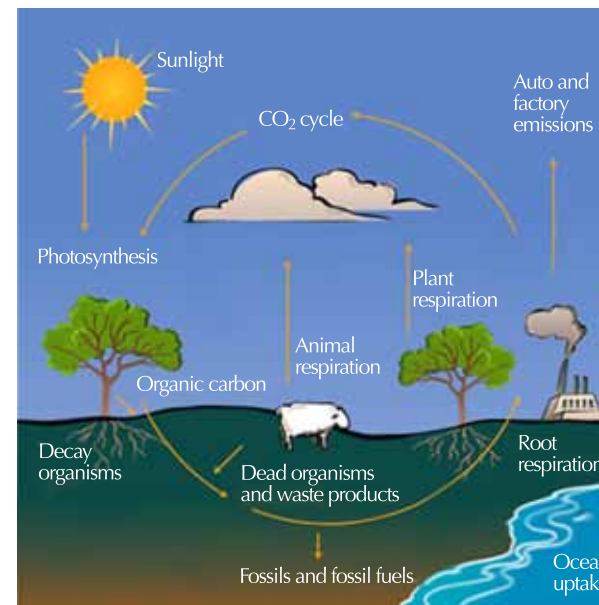
CARBON—EMI WANEM SAMTING?

Carbon Cycle

“Carbon” long tok Inglis na saiens em wanpela marasin (*chemical of kolim element*) istap insait long bodi bilong olgeta samting igat laip. Carbon em i bun bilong sapotim laip bilong olgeta kain diwai, gras, kaikai bilong gaden, ol abus, pisin na yumi ol manmeri wantaim. All living things are made from Carbon!

Ol plants i mas wokim own kaikai bilong ol yet. Ol plants i save wokim “*photosynthesis*” long givim ol kaikai. Kain olsem insait long ol lip bilong diwai na plants, i gat dispela spesol grin part long kisim carbon long win (*carbon dioxide CO₂*) na taim lip i mixim dispela win wantain wara, sun i ken hitim lip long brukim na senisim long producim kaikai bilong ol. Kain olsem suga na starch. Ol kaikai insait long diwai na plants ol kolim long saiens olsem “*carbohydrates*”.

Taim ol lip bilong diwai, gras na kaikai gaden i wokim carbohydrate ol tu bai wokim wanpela marasin ol kolim long saiens olsem “*oxygen*”. Yumi ol manmeri, ol abus na pisin samting i pulim oxygen insait long win long stap laip. Na tu taim ol manmeri kaikaim dispela ol carbohydrates o kaikai yumi tu kisim carbon igo insait long bodi bilong yumi. Taim yumi ol manmeri na abus kisim kaikai long bus na kaikaim na mekim wok,



Dispela piksa soim yu hau carbon isave go raun long wanpela cycle

pilai, o wokabout raun nambaut yumi usim na senisim carbohydrates na givim carbon igo bek long win olsem carbondioxide (*respiration*).

Na tu narapela bikpela carbon i stap ananit long graun long tausen na milien yia igo pinis na kamapim ol “*fossil fuels*”. Dispela i min olsem ol bikpela renfores long taim bipo, sampela graun i bin karamapim na i kamap strong tru olsem ston ol kolim “*coal*”, “*oil*” na “*gas*”. Long plenti hap kantri bilong ol waitman nau ol usim ol dispela fosil fuel olsem coal na oil long wokim kainkian petroleum produks olsem: kerosin, disel, petrol na plastic. Taim ol kukim dispela samting long givim pawa dispela win nogut bai kamap - *Carbon Dioxide CO₂*.

GLOBAL WARMING—EMI WANEM SAMTING?

Global Warming—Hotim wol

Nau long redio na insait long niuspepa long Papua Niugini, plenti pipol stat long toktok long tok Inglis ol kolim “*global warming*” na “*climate change*”. Dispela tok Inglis i min olsem, taim dispela win nogut (Carbon dioxide - CO₂) i kamap bikpela long wol, dispela win no gut i save bagarapim ol klaimet o weather bilong mipela long wol. Nambawan senis dispela CO₂ i wokim em olsem global warming, o wol i kamap hot.

Global warming long tok Inglis i min olsem ples i hot moa nau bikos dispela win nogut i bagarapim pinis. Dispela win nogut CO₂ i save karamapim olgeta wol kain olsem wanpela bikpela bilak blanket long sky na taim heat bilong sun i laik go aut long space dispela win nogut o blanket i holim (*absorbs*) ol heat i stap klostu long graun. So nau plenti ples i hot tumas.

Nambawan rison dispela hevi i kamap bikpela nau, em bikos i gat plenti pipol tumas na plenti car, plenti balus, plenti factori, plenti simuk na plenti logging, plenti win no gut i save bagarapim win long wol. Dispela carbon cycle i bruk na pauldaun.

Tasol, nambawan samting long rausim dispela win nogut em ol plants. Olgeta plants bai pulim dispela win nogut insait long lip na senisim long

kamampim gutpela win gen. Sapos olgeta kantri long wol i stat long plenim moa diwai na sotim daun hamas win nogut ol putim aut long wol, dispela hevi bai stop.



Global warming em i namba wan hevi bilong environment nau long wol. Ol lain bilong saiens ibin lukluk long temperature long wanwan kantri na ol i lukim temperature i go antap moa long bipo olsem 0.4°C – 2.0°C antap moa. Sapos yumi no senis, dispela bai go antap, antap moa gen na bagarapim plenti samting long wol.

Climate Change—Klaimet i senis

Plenti toktok i kam aut nau long redio, televisen na niuspepa long taim nogut bilong dispela senis long klaimet. Taim graun i hot dispela bai mekim solwara tu i hot na bikpela ais istap antap long solwara long hap bilong kantri Alaska na Entatika (not na saut pols) bai kamap olsem wara na mekim level bilong solwara igo antap. Sapos dispela i kamap bai plenti liklik ailan bilong Pasifik na sampela hap bilong wol bai isi tru long go insait long solwara. Plenti arapela hevi bai kamap olsem bikpela win na paia kirap, bikpela wara taid na sampela ples ino gat inap wara.

OLSEM WANEM LONG PAPUA NIUGINI?


Wanem samting bai kamap long Papua Niugini (PNG)?

Insait long Papua Niugini, sampela liklik ailan i go ananit long sol wara pinis, dispela em i wanpela risalt bilong climate change bikos ais istap long not na saut pol i kamap olsem wara (ice melt) na solwara i kamap moa na karamapim sampela ailan.

Na tu long Goroka ol natnat i no save go antap long maunten bikos ples i kol tumas tasol nau bikos klaimit i senis, ol nat nat i ken kamap long maunten bikos i hot moa long bipo. Dispela bai wokim plenti bikpela hevi wantaim bikos natnat i ken karim ol kainkain sik olsem bikpela sik malaria. Dispela i ken kilim man, meri na pikinini tu.

Narapela wari em olsem ol abus insait long Papua Niugini i gat ol kainkain spesol sindaun bilong em kain olsem wailfaul, na temperature bilong graun emi bikpela samting long sapotim laif bilong ol yet. Coral Rif i ken bagarap na plenti ol binatang nogut iken kamap plenti na bagarapim ol cash crops, so dispela hevi iken bagarapim economy tu.

Sampela kantri long wol nau ol i sek sek long dispela hevi bilong environment, na oli lukluk long hau ol iken senisim na helpim dispela hevi long wol.



*Dispela hevi em i tru tru na bikpela.
Tasol yumi ken senisim sapos
yumi wokbung wantaim*

CARBON TRADING—EMI WANEM SAMTING?

Long 1998 i bin igat pinis ol bung bilong plenti bigman bilong ol gavman long wol we ol i pasim sampela tingting (*resolution*) long stretim dispela hevi bilong global warming. Ol sainim wanpela MOU ol kolim "*Kyoto Protocol*". Insait long Kyoto Protocol ol i tok olgeta kantri long wol i gat limit long hamas win nogut ol i ken givim aut. Na sapos sampela kantri i go antap long dispela limit, ol mas baim sampela credit o ol mas pei sampela penalty.

So em min olsem ol kantri i gat bikpela renfores kain olsem Papua Niugini, i ken selim sampela *carbon credit* i go long ol develop kantri taim ol i laikim. Olgeta bikpela bus o renfores i kain olsem wanpela bikpela carbon stoa. Ol diwai i save pulim dispela win nogut na senisim long kamapim gutpela win gen. So em min olsem ol renfores i provaidim sampela gutpela servis long wol. Tasol nau ol develop kantri i mas kain olsem baim dispela servis nau. Ol kolim dispela samting "*carbon trading*".



Carbon Trading—hau bai yumi wokim?

Carbon Trading no inap kik off sapos ol lain long ples i no lukautim bus graun na ol diwai. Ananit dispela carbon trading i gat bikpela wok bilong em. Dispela helpim ino inap kamap nating olsem free money no gat tru! Ananit carbon trading i gat ol liklik lo o rules olsem ol renfores komuniti i mas:

- wokim liklik gaden.
- promis yu no inap katim ol diwai inap long 30-50 yia samting.
- Yumas save husat tru tru papa graun bilong renfores na graun, no gat dispute.

Dispela i bikpela samting so gutpela plening na menesmen i mas stap long tingting bilong ol papa graun na lain insait long komuniti. Sapos yupela i ken senis long savim plenti diwai na traim best long stop long wokim bikpela gaden, carbon trading i ken go het.

HAU BAI YUMI HALVIPIM?

Carbon Trading em i wanpela tingting tasol long halavim dispela climate change problem. Nau long wol i gat plenti arapela wei ol pipol i ken wokim long senisim dispela hevi. Plenti ol wait man i gat car ol i stat long usim PMV long go kam long wok na sampela wokabout. Plenti bikpela siti na haus i save usim bikpela pawa long wokim lait long nait tasol nau ol i ken usim spesol lait na offim lait taim ol i no usim. I gat plenti ol liklik tingting long helpim olsem usim sola na hydro pawa, batteri car etc. Nau long wol plenti pipol i stat long senisim sindaun o way of life long helpim dispela problem.



Wanem samting bai yumi wokim long halvipim dispela hevi?

Long daunim hamas carbon dioxide yumi rausin long win yumi ken:

- Wokim famili plening – moa pipol yu gat long wol, moa risoses yumi nidim
- Noken kukim ol pipia long paia especially ol plestic bag, planim long bikpela hol long graun o re-usim gen, wokim bilas etc.
- Putim ol pipia long kompos (ol plants)
- Noken usim plenti paiawud – taim yu slip usim blanket long nait maski long usim paia
- Lukautim renfores gut – noken katim diwai nating, noken wokim logging o oil palm projek
- Planim moa diwai gen long ol graun nating
- Wokim liklik gaden usim crop rotation long usim liklik graun
- Usim strongpela diwai long wokim haus
- Lukautim ol abus long ples long givim yu protin eg: kakaruk, fish, pik na rebit, no nid long was plenti na yu bai savim biodiversity.



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