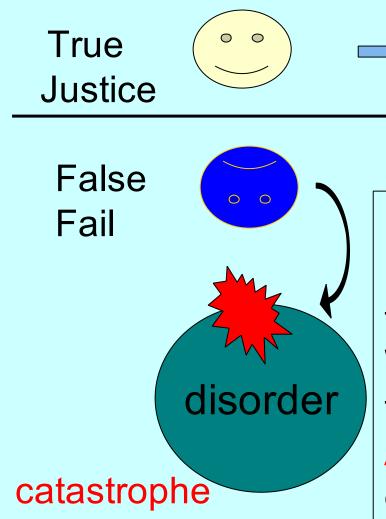
GLOBAL DECLARATION WAR on CARBON with Geo-Engineering (part A:Why earth become hottern and hotter?!) You have been entirely decieved, The fact is teribbly upside down !!





Now in this world,a fact is far stupid and cruel than any novels. We has been going toward fire hell called Arctic Methane Catastrophe due to the fail and false.

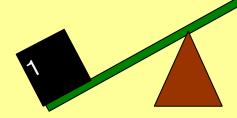
RDER





# DIGITAL JUDGEMENT the most justice

Mathew 5:37,Let your word be "Yes,Yes, or"No,No:anything more than this comes from the evil one.





## **PART-A: Why can Earth become Hotter and Hotter ?!.**

[A1]: Heat Budget on Globe.  $\rightarrow$  Heat Debt has been causing on disasters [A2]: The Evil GHG=heat trapping gas mechnism and the manmade emission reality.

## PART-B: The Serious and Emergent Realities of on going Climate Disasters in the World.

[B1]: The Serious and Emergent Realities. [B2]: Disasters Category:

### PART-C: Methane Clathrate the Mass Destructive Thermal Bomb in Arctic(the highest priority problem at now).

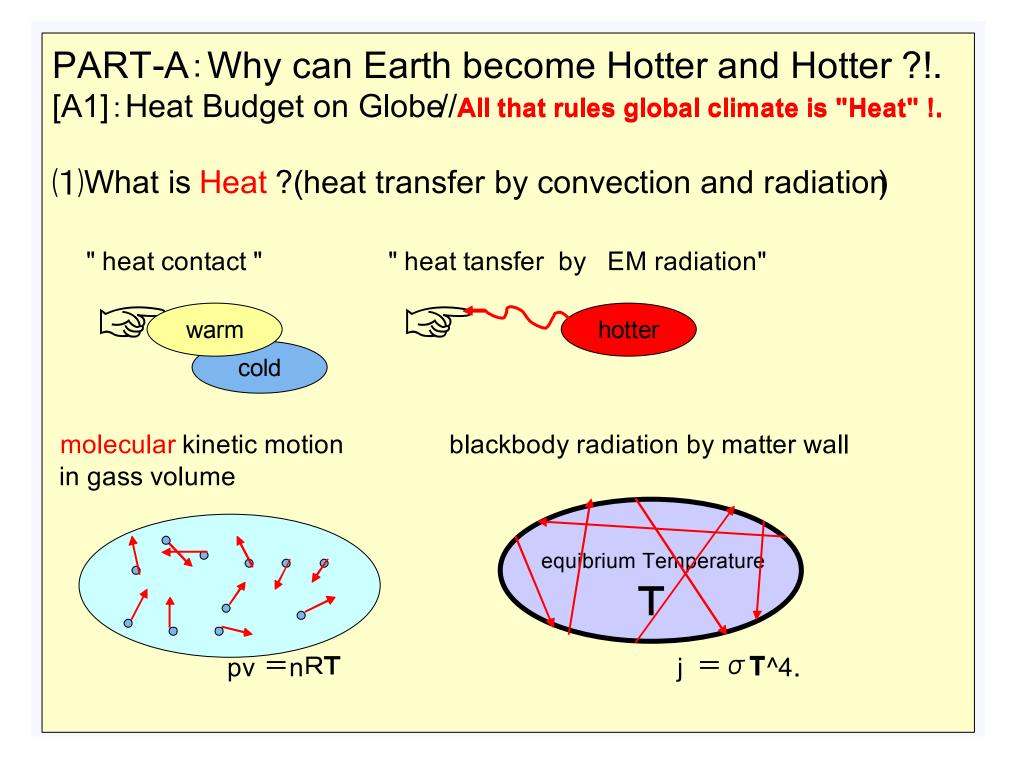
[C1]: The paleo-climatology evidences of mass extinction facts by Methane Catastrophe. [C2]: Possibility of Coming Methane Catastrophe in decades.

## PART-D: The Emergent Global War Declaration against Atmospheric Carbon.

[D1]: Conclusion as Our Aim(Carbon Condition=CC the minimum and decisive postulate for our survibing).

[D2]: Declaration of Global War against Atomospheric Carbon

toward Global Total Resetting.

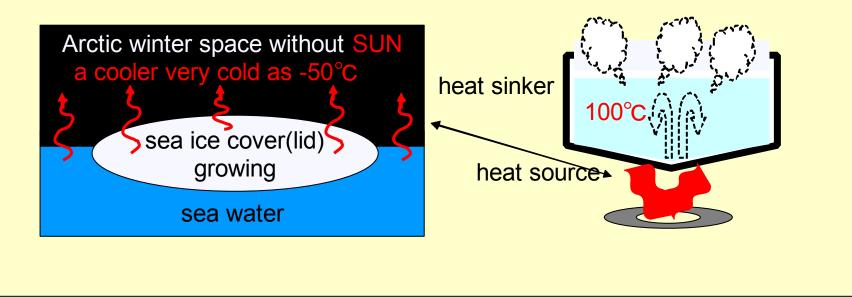


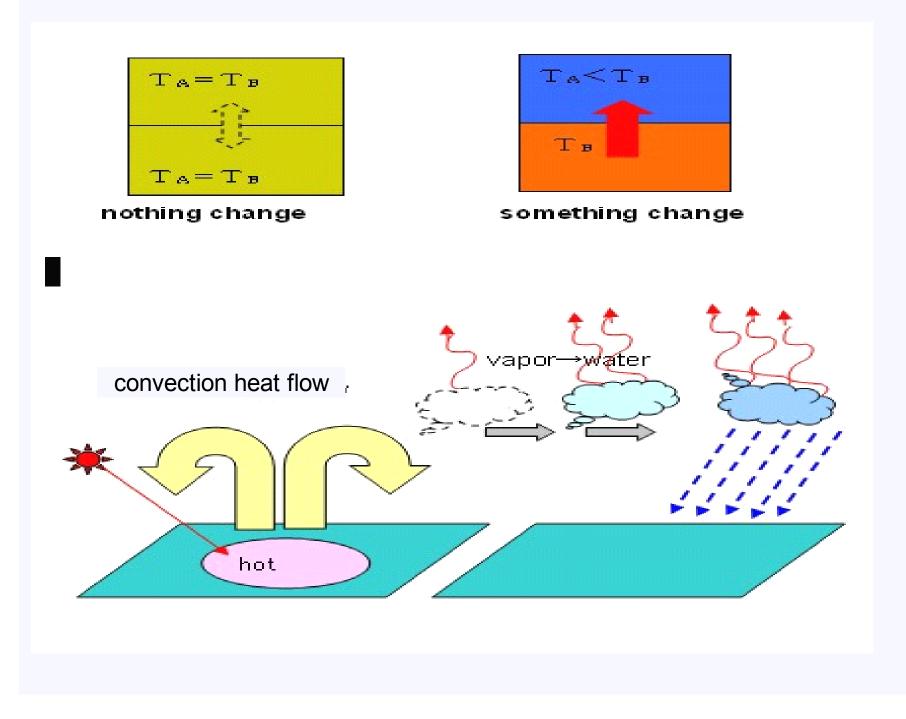
PART-A: Why can Earth become Hotter and Hotter ?!. [A1]: Heat Budget on Globe/All that rules global climate is "Heat" !.

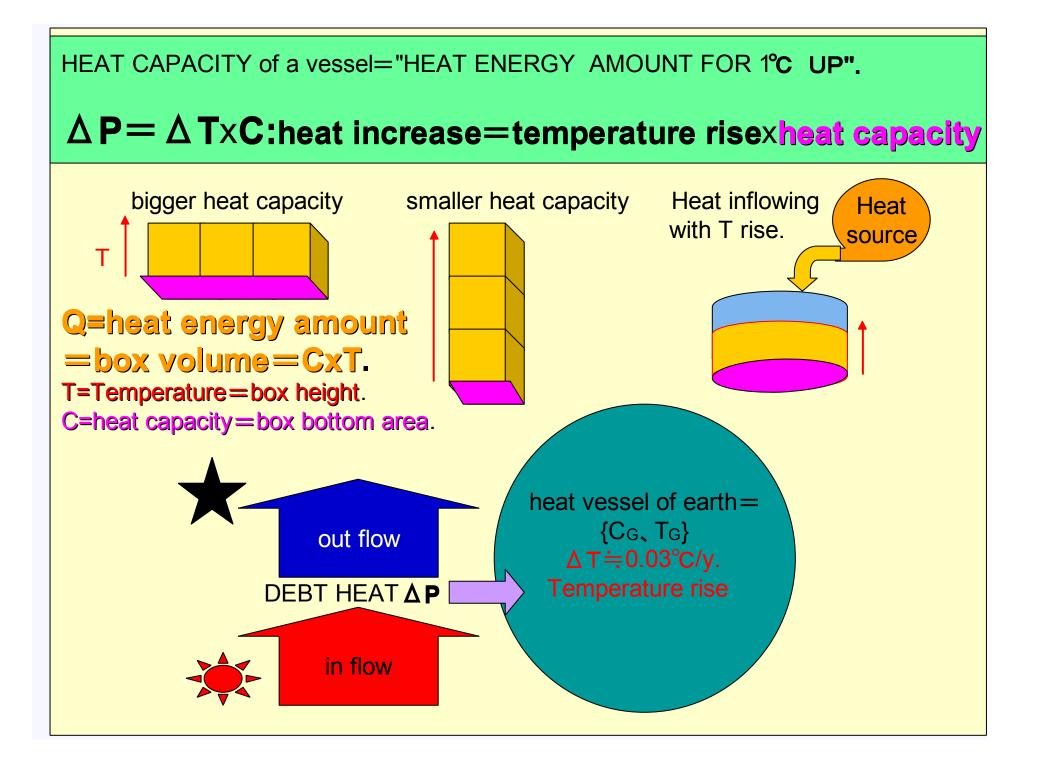
(1)What is Heat ?(radiation mode and contacting one)

"radiation mode" "heat disspation into space by radiation"

### "contacting mode" "boiling kettle a simplest climate model"







\* Heat capacity of global land and atomosphere is less than about 1/1000 of oceans, so effective global heat is in all oceans of about 600m depth.
 ≡C<sub>G</sub>=8.7x10<sup>2</sup>4J/K(energy amount for 1 °C rise of earth)
 =global ocean area(361.3x10<sup>1</sup>2m<sup>2</sup>) × depth(600m) × density(1040Kg/m<sup>3</sup>)xC water specific heat(3.85KJ/Kg).

\* Observed global temperature rise  $\Delta T \doteq 0.03^{\circ}$ C/y.

## Hence the heat debt $\Delta Q = C_G \Delta T = 2.6 \times 10^{23}$

It is this huge heat value that has been causing climate becoming wilder.  $\Rightarrow$ :Generally to tell,  $\Delta T \doteq 0.02 \sim 0.04^{\circ}$ C/year by observers(2009).

\* Radiative Forcing(RF)  $\equiv \Delta Q/(global surfaceXyears second)$ 

## $=2.6 \times 1023 \text{ J}/(5.115 \times 1014 \text{ m} 2 \times 365 \times 24 \times 3600 \text{ s})} \equiv \delta \text{ F} = 1.6 \text{ M/m}^2.$

(the evil surplus energy(per unit area ,unit itme) heating up earth ) See Section 2015 (the evil surplus energy) (per unit area ,unit itme) heating up earth (the evil surplus energy)

An actual climate main cast is oceans which can reseve almost all of global heat.
 Then "sea surface temperature variation" is to rule weather pattern on sea and lands. Another effective cast may be ""cool ,big and higher pressure atmospheric bulk flow from Arctic (Antarctic) zone".
 This fact is useful for anticipating near sea local weather.

## (5) Heat Debt=(Incoming Heat-Outgoing Heat) = the surplus heat causing global heat up. (heat imbalanced equation).

#### Naration11.

[5]Heat Debt=(Incoming Heat - Outgoing Heat)
 =the surplus heat causing global heat up.
 (heat imbalanced equation).

The global temperature rise is fataly indisputable fact not only by reliable experts observations, but also by our amateure intuitional observation on recent years anormal climates in everywhere. Incoming heat flow into globe is more than outgoing heat flow, which has been heating up earth. Incoming heat flow is that of constant insolation,

therefore, outgoing heat flow is weakened by something causal.

#### photo&movie11

#### account book

flow amount/year		st ock/year accumulatin	past total taccumulation
+Incoming (salaly)	– outgoing (payment)	surplus(debt)	capital(debt)
+ Incoming	-outgoing	surplus heat	total energy
(solar ray)	(cooling rad)	temperature rise at year	current temperature

### Heat Debt=(Incoming Heat-Outgoing Heat) =the surplus heat causing global heat up.

(heat imbalanced equation).

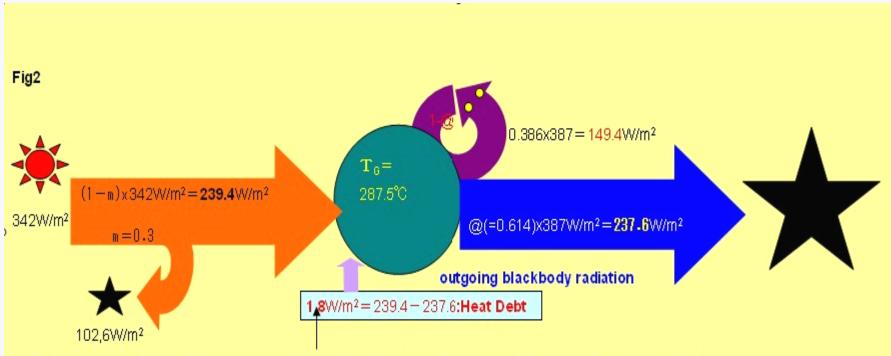


Fig2 is mere a sample calculation to show RF(=1.6W/m<sup>2</sup>), but not necessary to assure the actuality of {m,@,T<sub>6</sub>}.

Fig2 is a scheme of heat budget with heat debt=RF(1.6W/m2) caused from {.Incoming Heat-Outgoing Heat}.Then note that

- \* **solar ray refelection rate** ≡ m depending earth surface state such as cloud,ice cover reflection,or black surface absorbtion.
- \* blackbody radiation: Any material with finite tempetature T radiates elctromagnetic radiation of intensity σT^4, where σ is Stefan Boltzman constant. However radiation surface is effective radiation intensity by multiplying @.
- \* cooling radiation passing rate into space(CR pass rate) ≡ @ dominated by Green House Gas concentration,water vapor density,.....

Note "a curling snake" with  $\{1-@\}$ , which is heat recycling for warming up this planet. If @ =1, then earth becomes very cold as  $-18^{\circ}$ C, while @<<1, earth become hotter.@ is Green House Effect Gas(GHG) parameter dominating earth temperature TG.

Image: Below is rather advanced course for readers wishing more strict evidences.Fig1 is a rough conceptual scheme of heat budget on earth.[a)"Heat balanced eqution" before 1750(industrial revolution). $(\pi R_E^2) \times F_0 \times (1-m) = (4\pi R_E^2) \times @ \times (\sigma T_G^4)$ .1366W/m² = F\_0Incoming solar heat = outgoing heat by semi blackbody radiation

#### b)"Heat imbalanced eqution" at now.

$$\begin{split} (\pi R_{\text{E}}^2) \times F_0 \times (1-m) &= (4\pi R_{\text{E}}^2) \times @ \times (\sigma T_{\text{G}}^4) \equiv (4\pi R_{\text{E}}^2) \times \delta \ \text{F} = \Delta \text{Q}_{\circ} \ . \\ & \ast R_{\text{E}} \equiv 6.38 \times 10^6 \text{m} = \text{earth radius}. \end{split}$$

### Photo=S1 TRe<sup>2</sup> $(\sigma T_{G}^{4})$ Fig3 $(F_{0}/4)\times(1-m) - @\times(\sigma T_{G}^{4}) = C_{G}(dT_{G}/dt).$ -Equation of Global Temperature(EGT) -

[c]Incoming heat from solar ray into globe = direct solary - refelected one from globe into cosmic space

= solar ray input×(1- albedo<m=0.3>)= $\frac{1}{4}F_0(1-m(=0.3))=342W/m^2×(1-0.3)$ 

[d]outgoing heat (blackbody radiation= $(\sigma T_6^4)$ ) from earth temperature =  $T_6$  with passig rate @.

 $[\Theta](dT_6/dt)$ . Is temperature rise by unit time interval, so  $C(dT_6/dt)$ . Is heating up energy amount per unit time.

#### [f]The decisive meaning of EGT(0 dimensional global model):

I : Given time and Temperature function  $\{m(t, T_G(t)), @(t, T_G(t))\}$  could determine the destiny of our planet with  $T_G(t)$ .

That is,  $\{m = albedo, @ = CR pass rate\}$  could determine earth Temperature  $T_{G}(t)$ .

**I** : EGT is an equation of  $T_{G}(t)$  which can be solved explicitly by assigning (m,@(t)) as a function of programmed GHG concention. <u>http://www.777true.net/Global-Temeperature-FACT-7.ppt</u>

Shove mentioned method predicted about 0.3℃ rise in 30 years by zero carbon emission simulation.

■:EGT is fundamentally thermodynamics 1st low of few variables, which could certify the high reliability.

#### [A2] The Evil GHG. Naration 12.

=heat trapping gas mechnism and the manmade emission reality.
In [A1] : (5) mentioned that,outgoing heat flow is weakened by
something causal. The reality is GHG(green house effect gas).
CO2 absrobs infrared ray from earth surface and re-radiates it into
cosmic space and into ground with equi-probability. As the consequence,
cooling radiation of infrared ray from earth surface temperature
can not pass through atmosphere into space with a finite probability.

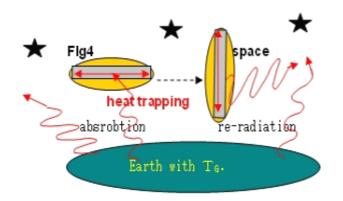
[1]GHG molecule is similar with "dipole antenna" which interacts with electromagnetic wave(absorbtion and re-radiation).

Interaction property of electro-magnetic(EM) wave and GHG molecule is well studied in lablatory and all the feature is confirmed. Very unluck for us CO2's **resonance band** is fitted with **cooling radiation** from earth temperature.

[2]Absorbtion wave is from direct ground, or re-radiated one from another molecular, Note that re-radiation wave direction is random due to molecule's random orientation. Gas molecular are random moving in atomosphere. The randomness is to fit statistical prediction.

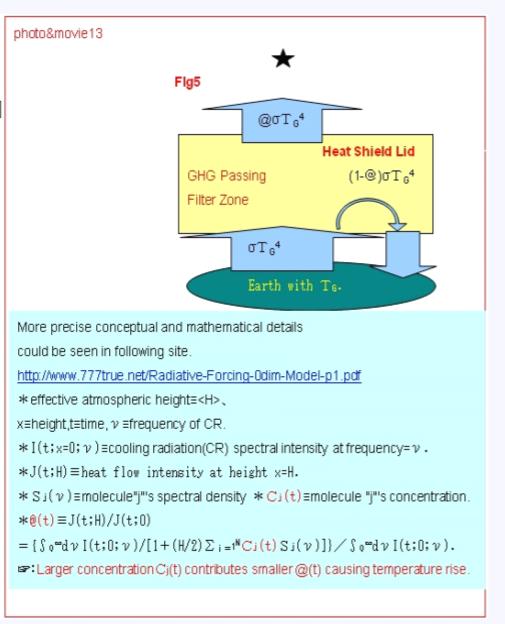
#### photo&movie12

#### heat trapping gas mechnism



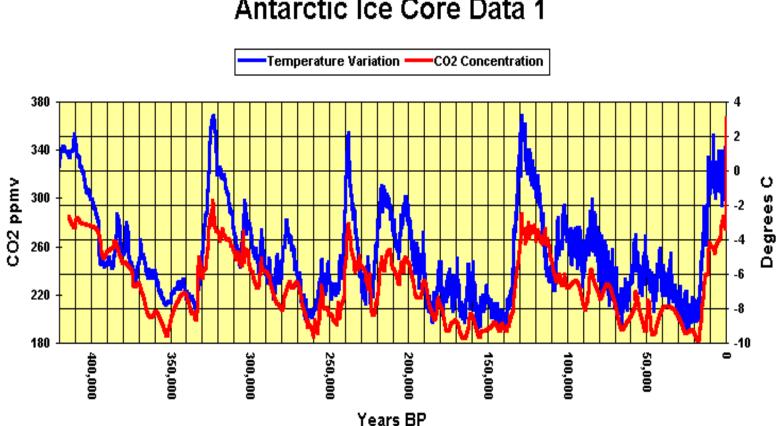
N13, [3)Outgoing cooling radiation with probability @ is passing radiation in GHG filtering zone.

After all, smaller @ act to make **heat shield lid** on this earth which would stop heat outgoing(infrared ray) form earth and cause evidently temperature rise. While incoming heat (visible ray) can penetrate GHG filter zone, which is to heat up earth day by day.

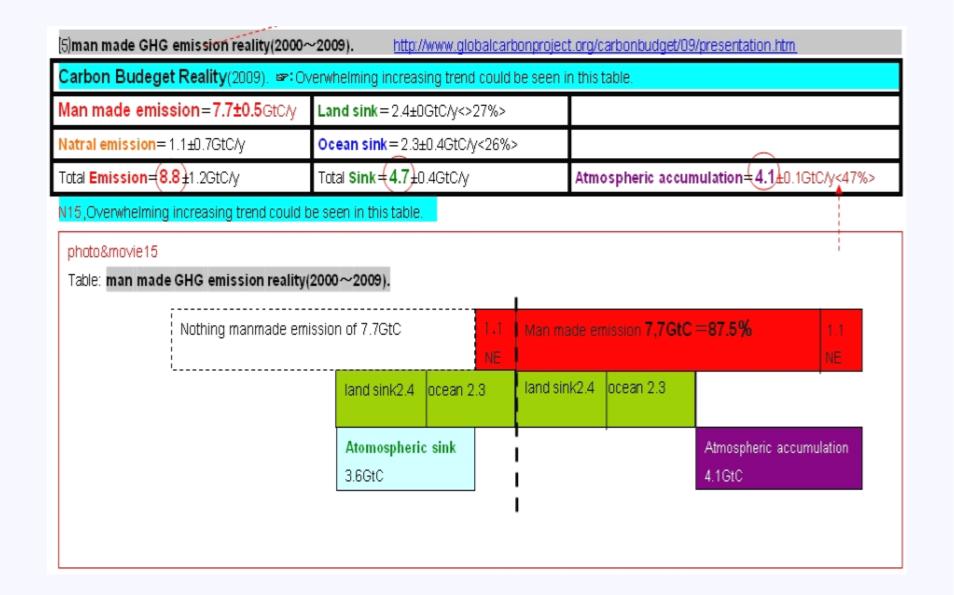


(4)Also paleo climatology observation proved almost linear corelation between temperature and CO2 concentration. Thus both theory and obserbation veryfy fine co correlation between CO2 and temperature.

http://www.daviesand.com/Choices/Precautionary Planning/New Data/



### Antarctic Ice Core Data 1



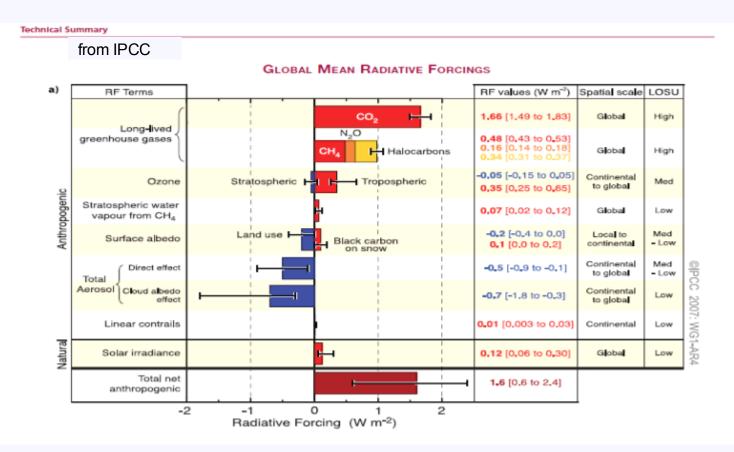
## The radiative forcing calculation was to quantitically prove the kernel cause of global temperature rise by carbon

(a)The total radiative forcing now 1.6W/m2 is consequence of many factors(albedo,GHG,and vapor,......}.See following IPCC table.Conclusionalry to tell,other factors except carbon are to

become  $\pm$  cancelled, as the consequence, radiative forcing by carbon = 1.66W/m2 is to agree with total one = 1.6W/m2. This is the proof that carbon is main criminal causing global temperature rise.

#### (b)—Why is it only "Carbon" that do criminal ?—

Ansewer is very simple, carbon is major and other small factors (except carbon) could not be managed by anthropogenically. Of course other GHG such as CH4,.....must be also crack downed.



#### (7) Spontaneous Natural GHG emission induced by temperature rise.

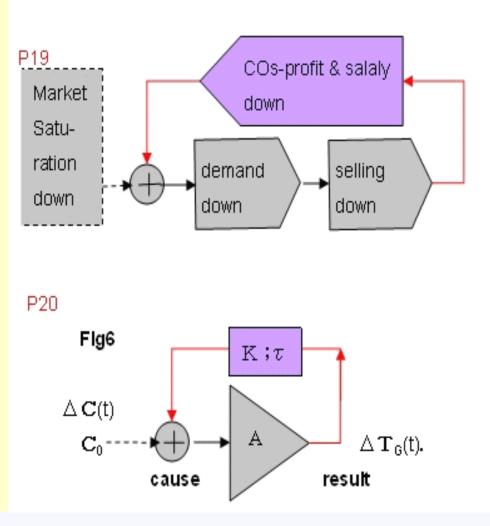
Land and ocean themselves contains huge amout of organic carbon, which are to be released into atmosphere by temperature rise. For example, rotten leaves, grass and wood on and in soil is to become CO2, which is accellated by temperature rise. This natural spontaneous emission could be fatal when those became feedback cyclying of result enhancing cause.



Therefore, a natural emission should positively become our available fossil energy. (8) FEEDBACK = Vicsious Cycle of Heating Up by Nature-Ownself. Therefore, once such vicious cycle had been formalized at somewhere, those can not be stopped until the saturation point. This could be catastrophic for life on earth. The typical exmaple is Arctic Methan Catastrophe Possibility (see PART-C)

 N19: Rapid economy collupse as an example of positive FEEDBACK
 N20: The most dangerous featue of FEEDBACK is explosive rapid larger change(something catastrophic!!).

An example of roughly estimated carbon amplifier gain A=year temperature rise/CO2 year increase  $\approx 0.03$  °C/1.8ppm(4.1GtC) The same amount of CH4(4.1GtC/year) radiative forcing is 21times than CO2, so  $\Delta TG \approx 0.03$  °C × 21=0.6 °C/y rise is catastrophicl !.



Rapid economy collupse as an example of positive FEEDBACK

### Summary of PART-A: Why earth become hottern and hotter?! key word: digital decision, heat budget, radiative forcing 1.6W by carbon, positive feedback, (1) Digital Decision Making : We never can get 100% complete information, but by 51% accuracy, we can make decision" yes, or no". <sup>(2)</sup>All that rules "global climate" are physicily "Heat", but politically Capitalism the cursed. (3) **Radiation Heat Transfer** between Earth and Sun-Space, {solar ray input and blackbody radiation output} Heat Debt = incoming solar ray - outgoing blackbody radiation = Radiative Forcing(1.6W/m^2). (4) Contacting Heat Transfer by convection in ocean and atmosphere(climate phenomena). (5) **Heat Capacity**=heat(energy)amout for 1 °C up(that of earth is almost oceans of about depth 600m). $C_{G} = 8.7 \times 10^{2} \text{J/K}$ (energy amount for 1°C rise of earth) \* Observed global temperature rise $\Delta T \doteq 0.03^{\circ}$ C/y. Hence the heat debt $\Delta Q = C_G \Delta T = 2.6 \times 10^{2} \text{J/y}$ . (6) Radiative Forcing(1.6W/m^2) = $\Delta Q/(global areaxyears time)$ . (7)Green House effect Gas(GHG) = Radiation reciever transmigger molecular as {CO2,CH4,...,H2O,....} (8)GHG is heat shield lid on earth which attenuate cooling radiation from earth. (9) Temperature and CO2 concentration is fine corelative in paleo-climatology observation. (10) Also theory predicts CO2 is main radiative forcing for global warming.

(11)Positve FEEDBACK process in which result enhance cause. Once in having realized feedback,it could become catastrophic. (Arctic Methane Catastrphe Possobility).