

GLOBAL DECLARATION WAR on CARBON

2011/10/11

(the draft of naration with video(movie and photo))

The reality of climate crisis has become brink,then possible salvation operation is emergent carbon emission reduction of more than 80%.
It's outragous for current world with extravagant fossil energy,however,unless the reduction,**lives on earth are ceratain to perish in decades.**

Now author try to let you see and get **convinceble insights** on those facts from the beginning to end by comprehensible naration with video.

(1)The Mission.

However,author had no necessary collections of video materials at now.He wish its completion untill the end of this month(2011/10/31).

The world climate conference in **Durban South Africa** is to held December.He wish **U tube releasing during a month of Nobember.**

The mission of the video is to challenge and revolue fatal and deadliest conservatism of the COP15,16 and **coming 17.**

(2)The method.

(a)Therefore author take an action that he should present **free scenario draft** for those who could get video materials and compile video.

(b)Or if you could,you may present necessary video materials to author.The he will compile video.

(c)Author wish many would try to simuletaneously contribute to U tube by the vidieo of varaiety,but of **unique as the kernel fact.**

NOTE:

(3)Then necessary video format for "video making soft=movie maker" is as follows.

* Video:MPEG4(Divx,Xvid)form, 320x240 pixel,

* Audio:MP3.

* Photo:png.

(4)How to read the following draft written by author.

(a)The original thesis oriented to **amateur and also expert** is in following site.

At first ,you must get "decisive judging" on the serious and emergent reality of Climate Crisis.

<http://www.777true.net/Climate-Reality-Justice-the-scenario-for-movie.pdf>

(b)The draft ie sequentialized by **naration number=n#** with **movie photo number=m#,p#.**

(c)Also naration with movie-photo is mere a sketch,but is not full complete one at now(2011/10/11).

You could write additional comments as you consider necessaary and correct.

(d)Any inquiry is welcome to this email address.

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GLOBAL DECLARATION WAR on CARBON

NARATION1 : INTRODUCTION.

A fact is far stupid and cruel than any novels. At first you should know that a relation between **true and false is entirely upside down. You must decisively turn false in order to gain true even though false has been global and historical something big II.**

The supreme science "logic" teaches us that a false is a **contradiction** which never fail to cause somethig catastrophe at last. Also decent religions has entirely been preaching do true and justice to accomplish repentance for evading something catastrophe.

For long time, you have been believing that nation and united nation have been at least decent for securing people's life. But if you once had known reality of **Climate Change Crisis(CCC)** and the **IPCC's** works on those, you would be frightened for **their outrageous deceptions.**

CCC is not gradual process and the crisis is not in far future. The fact is upside down if the current trend was going on. On the contrary, **the actual relieving is emergent and global as more than 80% CO2 emission reduction from right now !!!!.**

Unless, global lives would surely encounter heat hell world to perish in near future.

These are fatal and decisive facts. Why such extremely serious fact for everyone had been hidden for long time ???,

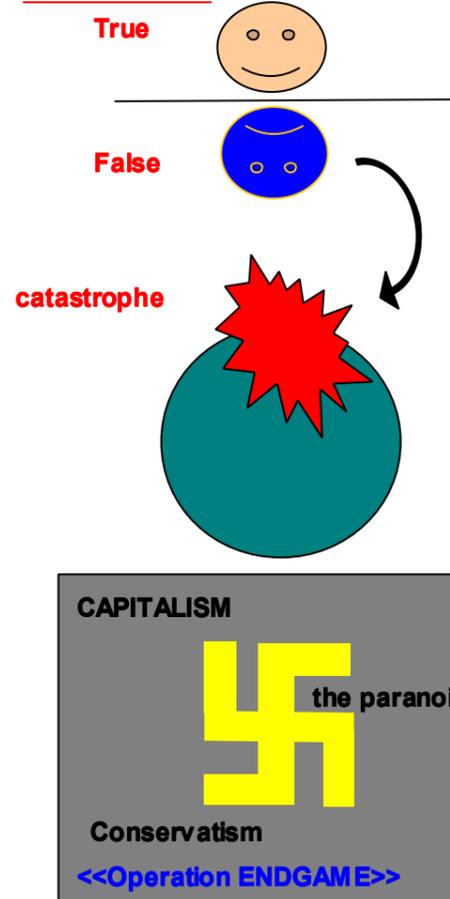
It's evident that people having known above mentioned fact would turn the global capitalism regime ruled by nobilities the hereditary.

The real cause is the paranoid conservatism of the highest pride of 1% status quo.

<http://www.777true.net/IPCC-the-injustice.pdf>

Thus, having known the Climate Reality could not help to become Global Revolutionalist.

(Photo& Movie1):INTRODUCTION.



The most necessary and difficult is to make **implementation plan for the new global regime against CCC.** Then note that **the implementaion simuletaneously becomes one for againt global debt crisis in almost nations at now world.** Above all, a hope to live is decisively necessary in this chaotic world at now. This report now could not be far sufficient.

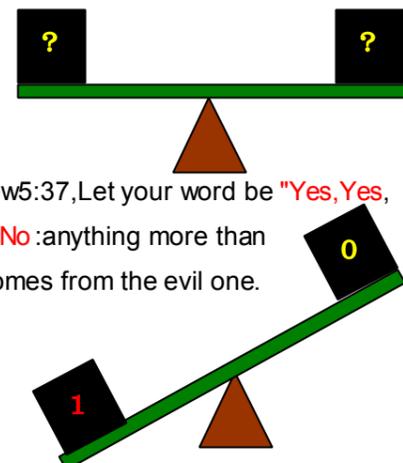
Author entirely wish **"wisdoms of you all"**.

—NARATION2: NOTE on DIGITAL JUDGEMENT the most justice—

Full comprehension on CCC science may need you be familiar with physics basis.

Such articles are in skyblue boxes. But **judging true or false** would not need you be familiar with physics basis, but with comparing numerics. Such articles are in colored boxes except skyblue one. At least, author tried to do so, whether it be sufficient or not.

PM2.DIGITAL JUDGEMENT the most justice



Mathew5:37, Let your word be "Yes, Yes, or "No, No : anything more than this comes from the evil one.

photo3

—THE CONTENTS —

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

[A1] : Heat Budget on Globe.

[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 surviving).

[D2] : **Declaration of Global War against Atomospheric Carbon toward Global Total Resetting.**

naration3,

Part-A is elementary physics basis on

Climate Science, which is heat energy. After all, incoming heat is larger than outgoing one, which is decisively to heat up this earth and causing disasters floods, draghts, hurricane, Those are to be showned in **Part-B.**

Then note !, it is not true gradual prooces of global warming, but is possibility of **abrupt and irreversible coming catstrophe.** The emergent and the most high priority problem is **Arctic Methane Catastrphe** in **Part-C.**

These shall be mentioned on rather details. As the consequence, the counter mesure for CCC is outrageous as more than 80% carbon reduction right now. Yes it's right now.

Thus we could not help to adopt **Declaration Global War against Atomospheric Carbon toward Global Total Resetting** in **Part-D,** the principle of the operation is mentioned.

Naration4:Appendix:Climate Crisis Prediction Music.

Following music records were happned to be authors,long after when he noticed the seriousness.

*** Save the children by Marvin Gaye in album "What's going on",1971.**

http://www.youtube.com/watch?v=B89vf_3CawM

This song is just a prediction of draught-famine hell of Africa now and the world in future.

"Who is willing to try to save the world that is destined to die ??". Everybody must take **the duty**.

The song's last phrase is "Dig it everybody!!". **Climate Jusitice** must be debated by every body,

but never be settled secretley only by politician and scientist in closed room. **Naration5 end**

*** Jumping Jack flash by the Rolling Stones,1968.**

<http://www.youtube.com/watch?v=hxpfbWMOIOk>

This is just nightmare in midst Climate Disaster. "I was bornin driving rain".

"It'sgas, gas, gas" is simuletaneously joke and serious,

"And I frowned at the crumbles of a crust of bread.I was crowned spike through my head".

It's famine and fever anger against extravagant highest status. **Naration6 end**

*** "Taward the flame(Vers la Flamme)" by Alexandre Scriabine in 1914.**

http://www.youtube.com/watch?v=5_FKKIC1oSw

Methane release starts slow space at first,but it would become intensfied

as time goes on, the last stage is explosive fire.

Scriabine was related with established by madam Brabachy.His son was drowned. Above Rolling Stone's

song also refered to water disaster. Also their colleague was drowned in pool. **Naration7 end**

Music and photoes:
Climate Crisis Prediction Music.

Music and photo5 starts
http://www.youtube.com/watch?v=B89vf_3CawM

Music and photo6 starts
<http://www.youtube.com/watch?v=hxpfbWMOIOk>

Music and photo7 starts
http://www.youtube.com/watch?v=5_FKKIC1oSw

Naration8.

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

[A1] : Heat Budget on Globe.

(1)**What is Heat ?(1st and 2nd thermodynamics low)**

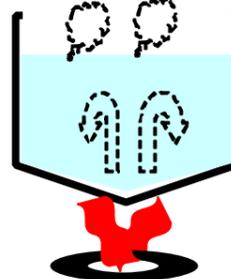
=**All that rules global climate is "Heat" !.**

Every matter with its dynamical motion has a definite energy.A flying pebble can break window by its kinetic energy. A stone dropped from higher postion get kinetic energy by gravity force,then the initial position has a potential energy by gravity.Also electro-maginetic wave has energy called radiation one with definite temperature(**blackbody radiation** one). Fluid motion of ocean and window(water and air molecular particle ensemble)has kinetic energy. An energy has various type.Heat Is also an energy,however it has a specific feature than any other type of energy.

A energy never be created and also be anihilated.Energy amount of closed sytem is constant in time(**energy conservation low** =**the 1st low of thermodynamics**).Energy could be changed its type in various process.However they never fail to become heat at last. Heat is **last dump** of energy in time progression.It's an energy being **fragmented into smallest pieces=kinetic energy of many molecules with equi-partioned**.Heat is most inferior energy in view of energy engineering.This feature of energy transition direction is due to **the 2nd low of thermodynamics,which states heat flows from higher temperature zone to lower one**. This is the fundamental indicator in energy motion in any scale of closed system.In other word, a heat is eintirely wishing to establish **equi-temperature distribution as an equilibrium state**.

photo&movie8

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



Boiling kettle with convection flow and hot water evaporation by heating energy.

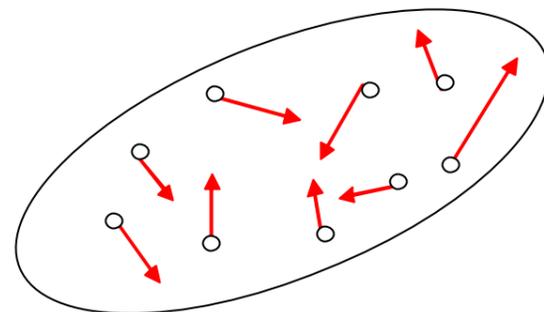
1st low of thermodynamics(Energy conservation low)

<Incoming energy—outgoing energy=energy accumulation>

2nd low of thermodynamics(Energy flow direction low)

heat flows from higher temperature zone to lower one.

Equator higher temperature heat flows into lower one Arctic.



Gas molecular random motion as a realization of heat in equi-temperatur distribution.

Naration9.

Heat Contact between A&B(stability)

Equi-temperature $T_A = T_B$ could cause nothing change in A and B. This type of heat energy do **nothing change**.

Heat Contact between A&B(unstability)

$T_A < T_B$ cause heat flow from B to A, which could cause **something change** in A and B.

change = {convection, ice melting, evaporation, flood,}.

Typical extreme example is equator T_B with Arctic T_A .

(2) **Heat contact (injection, dissipation) can cause convection flow growing as typhoon and hurricane.**

Boiling kettle with heating burner is a typical example.

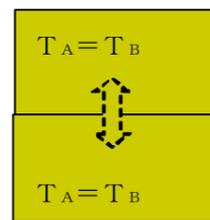
You could see boiled water flow in it. Heating land by insolation could cause upward air flow.

(3) **Heat contact (injection, dissipation) can cause phase transition of water in ice melting, freezing, snow, rain, flood and draught.**

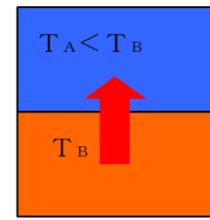
Heat amount exchanging through **water** and **vapor** is fundamental in revealing weather and climate pattern.

All that rules global climate is "heat" !.

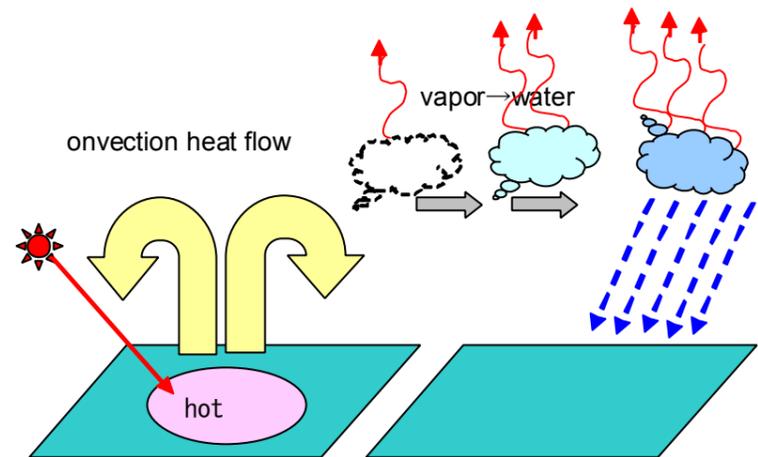
photo&movie9



nothing change



something change



Naration10, (4) **Temperature and Heat Capacity.**

Temperature T is an indicator of heat energy amount = Q .

Temperature rise ΔT by pouring same amount of heat energy ΔQ is different due to vessel's heat capacity = "C",

which is **heat amount for 1°C up**. So $\Delta Q = C \times \Delta T$, See page=5 in site.

<http://www.777true.net/Global-Temperature-FACT-7.ppt>

* Heat capacity of global **land** and **atmosphere** is less than about 1/1000 of oceans, so effective global heat is in **all oceans of about 600m depth**

$\equiv C_e = 8.7 \times 10^{24} \text{ J/K}$ (energy amount for 1°C rise of earth)

= global ocean area ($361.3 \times 10^{12} \text{ m}^2$) \times depth (**600m**)

\times density (1040 Kg/m^3) \times C water specific heat (3.85 KJ/Kg).

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

Hence the heat debt $\Delta Q = C_e \Delta T \approx 2.6 \times 10^{23} \text{ J/y}$.

☞: Generally to tell, $\Delta T \approx 0.02 \sim 0.04^\circ\text{C/year}$ by observers (2009).

* Radiative Forcing (RF) = $\Delta Q / (\text{global surface} \times \text{years second})$

= $2.6 \times 10^{23} \text{ J} / (5.115 \times 10^{14} \text{ m}^2 \times 365 \times 24 \times 3600 \text{ s})$

$\equiv \delta F = 1.6 \text{ W/m}^2$

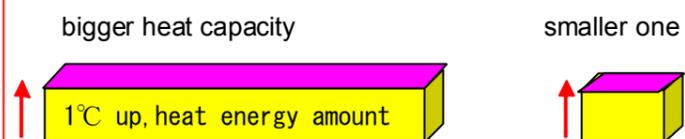
(the evil surplus energy (per unit area, unit time) heating up earth)

☞: Above RF value was to be proved to coincide with **manmade carbon emission into atmosphere**

☞: An **actual climate main cast** is **oceans** which can receive 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 zone". This fact is useful for anticipating near sea local weather.

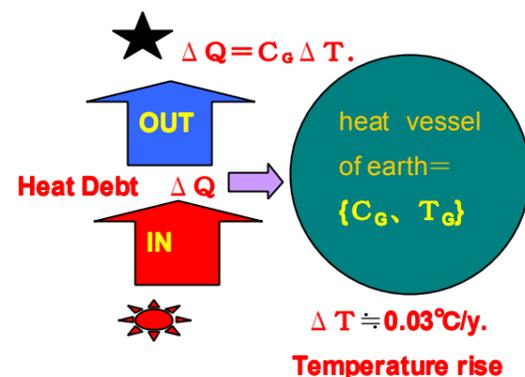
photo&movie10

Heat Capacity of a vessel = heat amount for 1°C up



* **heat energy increasing in a vessel (box volume)**
= temperature rise (height) \times heat capacity (bottom area)

Fig1



Naration11.

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

The **global temperature rise** is fatally 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.**

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 temperature T radiate elctromagnetic radiation of intensity σT^4 ,where σ is Stefan Boltzman constant. These details shall be mentioned in the later. However radiation surface is effective radiation intensity by multiplying @.
 * **cooling radiation passing rate**(**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°C, while @ <<1,earth become hotter.@ is Green House Effect Gas(**GHG**) parameter dominating earth temperature **T_G**.

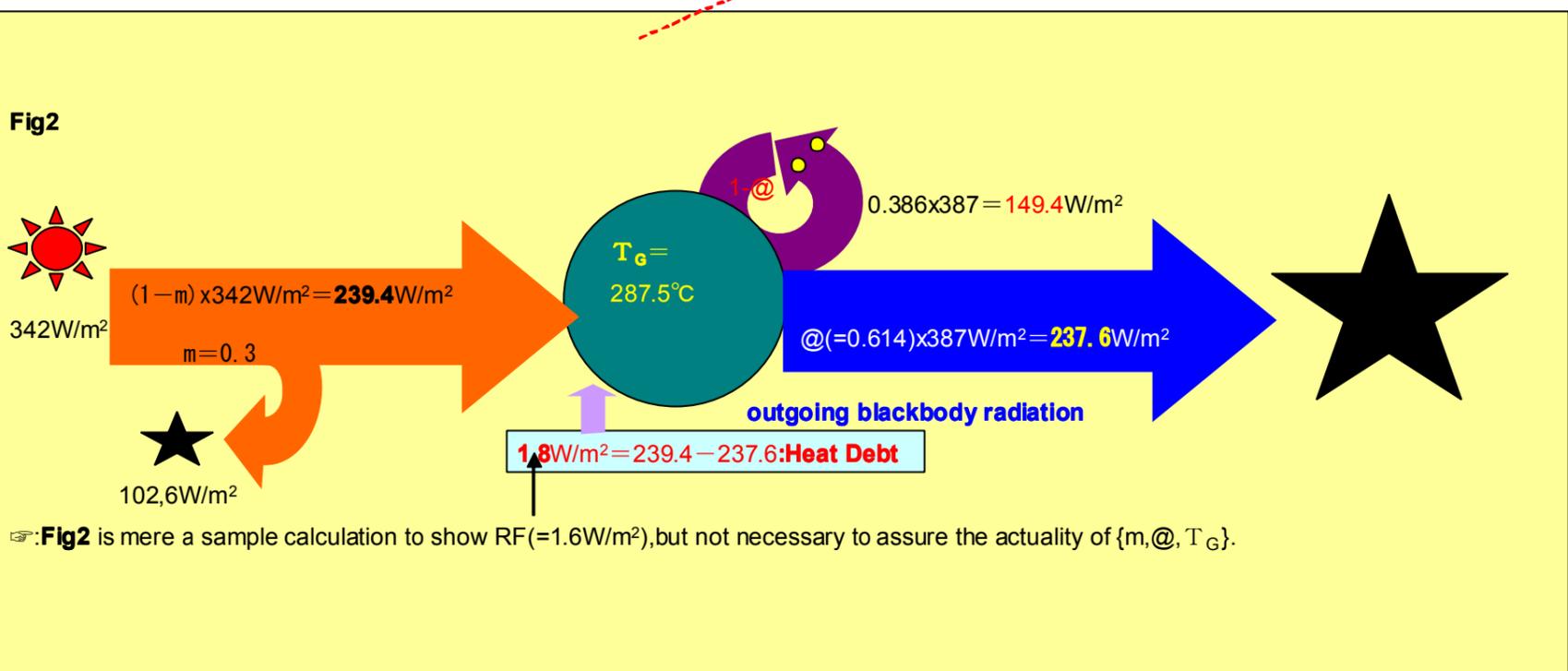
photo&movie11

account book

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

current state of globa temperature rise with **climate disasters** at everywhere on the earth(photo& movie).

Fig2



Naration=S1.

☞: 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 equation"** before 1750(industrial revolution).

$$(\pi R_E^2) \times F_0 \times (1-m) = (4\pi R_E^2) \times @ \times (\sigma T_G^4).$$

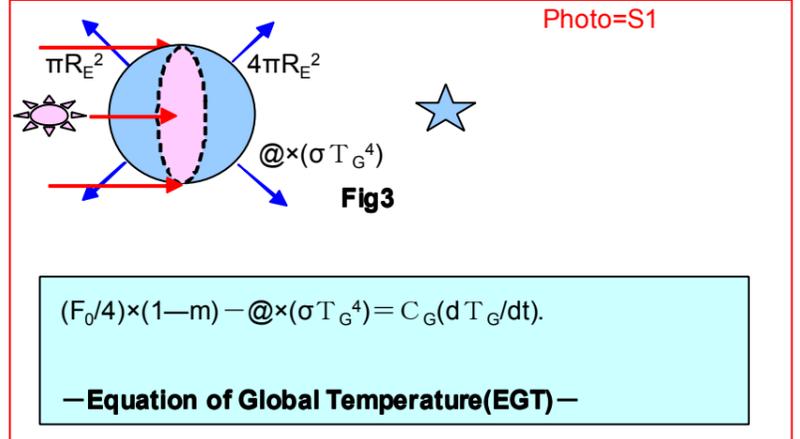
$$1366W/m^2 = F_0$$

Incoming **solar heat**=outgoing heat by semi **blackbody radiation**

(b) **"Heat imbalanced equation" at now.**

$$(\pi R_E^2) \times F_0 \times (1-m) - (4\pi R_E^2) \times @ \times (\sigma T_G^4) \equiv (4\pi R_E^2) \times \delta F = \Delta Q_0 .$$

* $R_E \equiv 6.38 \times 10^6 m$ = earth radius.



(c) **Incoming heat** from solar ray into globe = direct solarly – refelected one from globe into cosmic space

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

(d) **outgoing heat (blackbody radiation = σT_G^4)** from earth temperature = T_G with passig rate @.

(e) (dT_G/dt) . Is temperature rise by unit time interval, so $C (dT_G/dt)$. 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, $\{m = \text{albedo}, @ = \text{CR pass rate}\}$ could determine earth Temperature $T_G(t)$.

II : EGT is an equation of $T_G(t)$ which can be solved explicitly by assigning $(m, @(t))$ as a function of programmed GHG concention.

<http://www.777true.net/Global-Temperature-FACT-7.ppt>

☞: Above mentioned method predicted about **0.3°C rise in 30 years** by **zero carbon emission simulation**.

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

[A2] : The Evil GHG. Naration12.

=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-probabilty.As the consequence, cooling radiation of infrared ray from earth surface temperature can not pass through atmosphere into space with a finite probability.

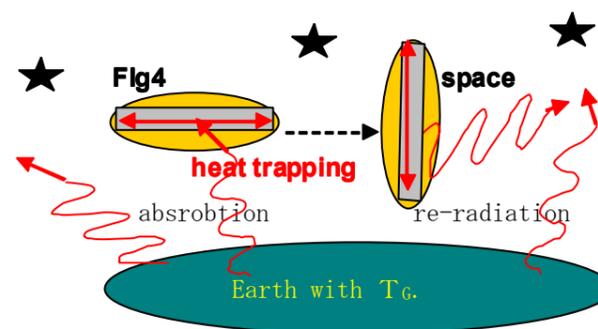
(1)GHG molecule is similar with "dipole antenna" which interacts with electromagnetic wave(absorbtion and re-radiation).

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

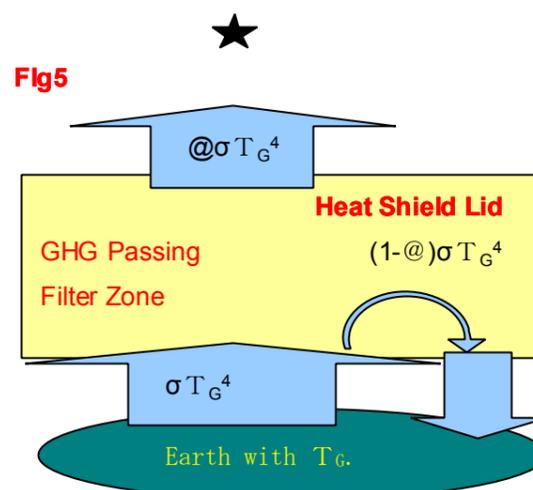
heat trapping gas mechnism



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.

photo&movie13



More precise conceptual and mathematical details could be seen in following site.

<http://www.777true.net/Radiative-Forcing-0dim-Model-p1.pdf>

* effective atmospheric height≡⟨H⟩ ,
x≡height,t≡time, ν ≡frequency of CR.

* I(t;x=0; ν)≡cooling radiation(CR) spectral intensity at frequency= ν .

* J(t;H)≡heat flow intensity at height x=H.

* S_j(ν)≡molecule"j"'s spectral density * C_j(t)≡molecule "j"'s concentration.

* @ (t) ≡J(t;H)/J(t;0)

= { ∫₀[∞]d ν I(t;0; ν) / [1 + (H/2) ∑_{j=1}^NC_j(t) S_j(ν)] } / ∫₀[∞]d ν I(t;0; ν).

☞:Larger concentration C_j(t) contributes smaller @ (t) causing temperature rise.

Naration14

(4)Also **paleo climatology observation**

proved almost linear corelation between temperature and CO2 concentration.

http://www.daviesand.com/Choices/Precautionary_Planning/New_Data/

You could see the fine correlation in the graph in above site.

**Thus both theory and observation confirm
{temperature and CO2 }'s positive corelation.
This is official standard theory !!!!!!!.**

photo&movie14
Temperature-CO2 & concentration correlation graphe.
http://www.daviesand.com/Choices/Precautionary_Planning/New_Data/

(5)man made GHG emission reality(2000~2009). <http://www.globalcarbonproject.org/carbonbudget/09/presentation.htm>

Carbon Budeget Reality(2009). Overwhelming increasing trend could be seen in this table.

Man made emission = 7.7±0.5GtC/y	Land sink = 2.4±0GtC/y<27%>	
Natral emission = 1.1±0.7GtC/y	Ocean sink = 2.3±0.4GtC/y<26%>	
Total Emission = 8.8 ±1.2GtC/y	Total Sink = 4.7 ±0.4GtC/y	Atmospheric accumulation = 4.1 ±0.1GtC/y<47%>

N15,Overwhelming increasing trend could be seen in this table.

photo&movie15
Table: **man made GHG emission reality(2000~2009).**

Man made emission **7,7GtC = 87.5%**

land sink 2.4

ocean 2.3

Atmospheric accumulation
4.1GtC

N16, (6) **Quantitical proof of cause that contribute to global temperatre rise.**

Radiative forcing by GHG component. GHG increasing is instantly to rise Radiative Forcing(surplus heat) driving temperature rise.

Carbon	1.66W/m ²	3.05 tllion ton (concentration=380ppmv)
Methane	0.48W/m ²	

The radiative forcing calculation was to prove the kernel cause of global temperature rise quantittically.

(a)The total radiative forcing now 1.6W/m² is consequence of many factors(albedo,GHG,and vapor,.....).See following IPCC table.

Conclusionary to tell,other factors **except carbon** are to become ± cancelled.as the consequece, 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. Ofcourse other GHG such as CH₄,.....must be also crack downed.

photo&movie16
table of radiative forcing components

Global Radiative Forcing(IPCC).

Technical Summary

RF Terms	RF values (W m ⁻²)	Spatial scale	LOSU	
Anthropogenic	Long-lived greenhouse gases	Global	High	
	CO ₂			1.66 [1.49 to 1.83]
	N ₂ O			0.48 [0.43 to 0.53]
	CH ₄	0.18 [0.14 to 0.18]	Global	High
	Halocarbons	0.34 [0.31 to 0.37]		
	Ozone	-0.05 [-0.15 to 0.05]	Continental to global	Med
	Stratospheric water vapour from CH ₄	0.35 [0.25 to 0.65]	Global	Low
	Surface albedo	-0.2 [-0.4 to 0.0]		
	Land use	0.1 [0.0 to 0.2]	Local to continental	Med - Low
	Black carbon on snow	-0.5 [-0.9 to -0.1]	Continental to global	Med - Low
Total Aerosol	-0.7 [-1.8 to -0.3]	Continental to global	Low	
Linear contrails	0.01 [0.003 to 0.03]	Continental	Low	
Natural	Solar irradiance	0.12 [0.06 to 0.30]	Global	Low
Total net anthropogenic	1.6 [0.6 to 2.4]			

©IPCC 2007, WG-AR4

Naration17.

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

Land and ocean themselves contains huge amount 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 accelerated by temperature rise.

This natural spontaneous emission could be fatal when those became feedback cycling of **result enhancing cause**.

photo&movie17

Spontaneous Natural GHG emission induced by T rise

Natural CO₂ emission examples.

Natural CH₄ emission examples,

Wetland, cattle, Arctic Zundra & shallow sea floor in East Siberia.

N18, (8) **FEEDBACK = Vicious 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 example is

Arctic Methan Catastrophe Possibility (see PART-C)

N19

N20 : The most dangerous feature of FEEDBACK is **explosive rapid larger change (something catastrophic!!)**.

An example of roughly estimated **carbon amplifier gain**

$$A = \text{year temperature rise} / \text{CO}_2 \text{ year increase} \approx 0.03^\circ\text{C} / 1.8\text{ppm} (4.1\text{GtC})$$

The same amount of **CH₄** (4.1GtC/year) **radiative forcing is**

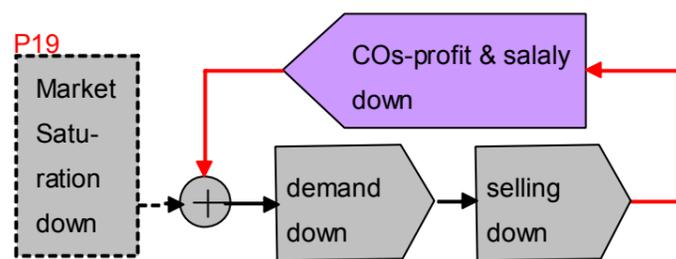
21 times than CO₂, so $\Delta T_g \approx 0.03^\circ\text{C} \times 21 = 0.6^\circ\text{C/y}$ rise is **catastrophic!**

N19 : **Rapid economy collapse as an example of positive FEEDBACK**

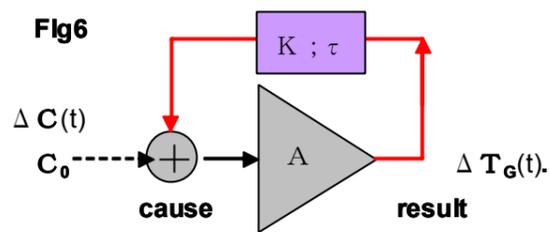
photo&movie18

Rapid economy collapse as an example of positive FEEDBACK

P19



P20



N20 :

Let's suppose temperature rise: ΔT_g is to generate CO₂:

$\Delta C = K \times \Delta T_g$ in **looping time τ** , and ΔC rise is to instantly increase $\Delta T_g = A \times \Delta C$, then temperature rise speed is $d(\Delta T_g)/dt$ and looping gain = AK for ΔT_g

$$d(\Delta T_g)/dt = A \Delta C / \tau = AK \Delta T_g / \tau$$

$$\rightarrow \Delta T_g(t) = \Delta T_g(t=0) \exp[AKt / \tau]$$

If $AK = 1, \tau = 1\text{year}, t = 10\text{years}$ yields

$$\Delta T_g(t=10) \gg \Delta T_g(t=0) \times 22000$$

Naration21.

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

At first people not in disasters should be blamed for not try to know their sin that their dairy carbon emission has been causing climate disasters at every where in the world.

N21-1,[B1] : Disasters Category:

<http://climate.nasa.gov/evidence/>

http://www.cccr.unsw.edu.au/Copenhagen/Copenhagen_Diagnosis_LOW.pdf

(1)**Extreme events: intensified Draught, Flood,Typhoon**

-Hurricane attack Life Infrastructure and Agriproducts.

(2)**Sea level rise** invade landsink in coastal line by

Glacial retreat and Shrinking ice sheets,

(3)**Ocean acidification attacks carbon sink ability decline of ocean,which is fatal.**

(4)**Declining Arctic sea ice is to cause methane catastrophe possibility.**

If current trend was conserved,for the time being,visible (1) and (2) become very serious as time goes on. The world would encounter **food crisis to global famine** and to cause many refugees.

(3) and (4) would be fatal in near future.

N21-2,[B2] : The Serious and Emergent Realities.

1,**Drought Spreads Across Continent**

<http://www.worldpress.org/Africa/719.cfm>

2,**Drought in Africa(pictures)**

http://www.google.co.jp/search?q=drought,africa&hl=ja&rlz=1T4GZAZ_jaJP409JP433&biw=1280&bih=796&prmd=ivns&tbm=isch&tbo=u&source=univ&sa=X&ei=k0FT0a4H-2gmQWR3uzNDQ&sqi=2&ved=0CCkQsAQ

3,**Floods and mudslides on three continents, as drought hits Africa**

<http://www.guardian.co.uk/world/2010/aug/09/floods-mudslides-drought-extreme-weather>

4,**From draught to floods**

<http://english.people.com.cn/98666/102485/index.html>

5,**Record-breaking droughts, floods, fires, storms indicative of warming Earth**

http://article.wn.com/view/2011/04/28/Recordbreaking_droughts_floods_fires_storms_indicative_of_wa/

6,**Climate Changed Already–Massive Floods in Asia,Record Drought in Russia,Huge Ice Island breaks from Greenland ?**

<http://greenworldinvestor.com/2010/08/10/climate-changed-already-massive-floods-in-asiarecord-drought-in-russiahuge-ice-island-breaks-from-greenland/>

7,**Floods, Drought Drive World Food Prices to Record Highs**

http://article.wn.com/view/2011/01/05/AccuWeathercom_Weather_News_Floods_Drought_Drive_World_Food/

8,**Floods, Drought Drive World Food Prices to Record Highs**

<http://www.accuweather.com/blogs/news/story/43993/floods-drought-drive-world-foo-1.asp>

(photo and movies21)

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

worldwide and emergent climate disasters the realities

PM21-1,[B1] : Disasters Category:

Draughts and floods with agri-areas,..... devastating Intensified Hurrican and Tyhoon, Sea level rise invading coastal and iland nations.

**PM21-2,[B2] : The Serious and Emergent Realities.
at almost nations in the world.**

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

Naration22:

People consider so called global warming is gradual process in coming decades and the crisis would be in future. However the fact is not so optimistic. Now many scientists fear for huge amount of unstable MC = methane clathrate (ice, hydrate) melting **in Arctic** sea floor by rising sea temperature **2~3°C**. The estimated amount of global MC is about 7000G ton in carbon standard, which is about twice much of fossil coal and fuel reservoir. Methane is more **25** times potent as GHG effect than CO₂. Once they emitted to atmosphere, temperature rising accelerate that of sea to enhance more emission of methane. It becomes feedback process to **spike out temperature rising <Clathrate Gun Hypothesis>**. Abrupt and irreversible **Climate Change Crisis** is to attack on earth. Paleo-climatology recently recognized mass extinction of species by methane burps in Permian (251.4my) and Paleocene–Eocene Thermal Maximum (55.8my = million years ago). The final stage might be hell.

[C1] : The paleo-climatology evidences of mass extinction facts by Methane Catastrophe.

- (1) **Permian mass extinction by Methane Catastrophe** (251.4my).
- (2) **PETM mass extinction by Methane Catastrophe** (55.8my = million years ago)..

photo & movie 22

Testimonies by scientists with video.
* Dr Natalia Shakova, and her colleague
* Dr Jim Kennet and Dr Jerry Dickens
* Dr James Hansen.
*

[C2] : Possibility of Coming Methane Catastrophe in decades.

① The highest priority emergent problem <methane clathrate melting crisis>

② Clathrate Gun Hypothesis the past history and the current situation:

- (1) A Japanese Congress asked the National Assembly on dangerous MC (2000).

He pointed out necessity of taking into account of MC action in IPCC model of climate change predicting system. **But they have not done !!**

<http://www.sangiin.go.jp/japanese/joho1/syuisyo/150/syuh/s150005.htm> <Japanese>

- (2) **Methane: A scientific journey from Obscurity to Climate Super-Stardom** by Gavin Schmidt (2004/9):

<http://www.giss.nasa.gov/research/features/methane/>

* Wei-Chyung Wang (1976), methane in atmosphere is significant greenhouse gas.

* Jerome Chappellaz established chemical precise analysis on trapped air in ice core for paleo-climatology analysis.

* Jerry Dickens (1995) suggested that massive air input of light carbon from MC,

* Jim Kennett (2000) proposed the so-called "**clathrate gun hypothesis**",

- (3) Ticking Time Bomb by John Acheson (2004/12/15): MC warning No 1 website. <http://www.commondreams.org/views04/1215-24.htm>

- (4) By Volker Mrasek, **A Storehouse of Greenhouse Gases Is Opening in Siberia**. (2008/4/18).

<http://www.spiegel.de/international/world/0,1518,547976,00.html>

- (5) No Ice At The North Pole: Polar Scientists Reveal Dramatic New Evidence of Climate Change by Steve Connor (2008/6/27).

<http://www.commondreams.org/archive/2008/06/27/9920/>

☞ Arctic temperature rising is 2~3°C, while global average is 1°C. Hence Arctic sea floor has become more dangerous. See below eerie photo.

<http://www.realclimate.org/>

- (6) Clathrates: little known components of the global carbon cycle :

MC reservoir is about 11000Gton much as twice of fossil resources. By temperature **1~2°C rising** would trigger the burps bursting.

<http://ethomas.web.wesleyan.edu/ees123/clathrate.htm>

- (7) Michael J. Benton, **WHEN LIFE NEARLY DIED**, Thame & Hudson Ltd, London, 2003.

Permian mass extinction by MC eruption became spotlighted at a burst. Simultaneously also Antarctic MC became spotlighted at a burst.

- (8) http://en.wikipedia.org/wiki/Extinction_event,

- (9) <http://www.google.co.jp/search?hl=ja&q=mass+extinction%2Cmethan+clathrate+&btnG=%E6%A4%9C%E7%B4%A2&lr>

- (10) IMPACTS: Investigation of the Magnitudes and Probabilities of Abrupt Climate Transitions has launched recently in USA.

<http://www.sciencedaily.com/releases/2008/09/080918192943.htm>

- (11) <http://www.climatesoscanada.org/blog/2011/02/17/the-real-weapons-of-mass-destruction-methane-propaganda-the-architects-of-genocide-part-i/>

- (12) **Why is the IPCC so wrong regarding their methane projections?**

<http://uk.answers.yahoo.com/question/index?qid=20091221092156AAuMGh>:

- (13) **ONLY ZERO CARBON | Planetary Emergency Response | Climate Science for Survival.**

<http://timetobebold.wordpress.com/tag/ipcc/>

- (14) **Runaway Global Warming—A Climate Catastrophe in the Making**

<http://www.zero-carbon-or-climate-catastrophe.org/runaway-heating.html>

- (15) **IPCC Reasons for Concern**

<http://www.climate-change-emergency-medical-response.org/ipcc-reasons-for-concern.html>

- (16) **Climate change likely to be more devastating than experts predicted**

<http://www.sciencecentric.com/news/09021506-climate-change-likely-be-more-devastating-than-experts-predicted.html>

Naration23-1:

③Methane Catastrophe Possibility

Estimation **Example** by simple graphe analysis.

(1)None say it is right now,decades,or hundreds,

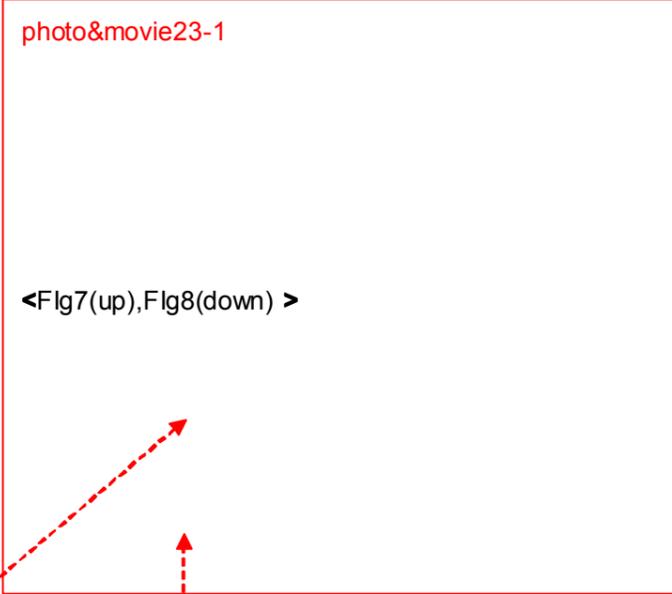
but none could rule out sudden emission(②(4)).

By anyhow,none could observe full reserver reality of MC under ice layer in Arctic.

Author could not see theoretical papaer of prediction on methane catastrophe process.

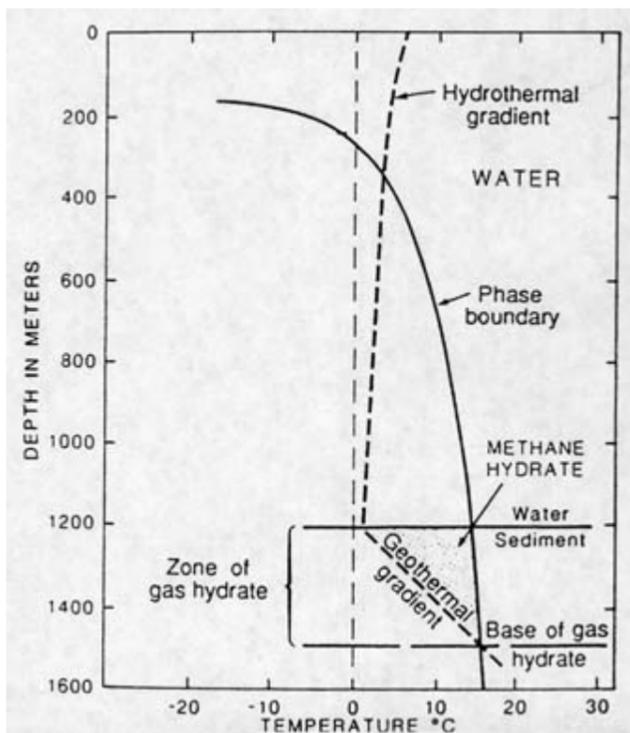
However a simple schematical analysis show you the emergent danger of methane.

Following are very rough model estimation **example** with simplified assumption. Even though the **huge reservoir size**(400~1000GtC) with **small margin of safely releasing amount**(few mega ton C)never fail to conclude inevitable **dangerous possibility of methan catastrophe**. The kernel of problem is **right direction shifting speed of "hydrothermal gradient"** ruled by **incoming heat flow into Arctic**.



The same narration23-2 is here

(2)Arctic Methane Distribution and Temperature Invasion <Fig7(up),Fig8(down) >



P23-2

(a)**Pressure(=sea depth x) and (melting)Temperature(T) phase diagram.**

MC with deeper depth x is to take higher. melting T. So methan release is to begin from shallow wamer sea flor from 200m as sea temperature T_s rise.

(b)**400~1000GtC MC distribution is roughly assumed uniform one.**

Nothing information is equi-probability for the distribution. See brown line

It's uniform distribution density from x=200~1200m(the deepest limt of MC)

(c)**T(x=399.6m;t)** is melting temperature of depth x=399.6m at year=t.

Its gas bubbling point at time =t as an **example assumption**..

(d)**T(x+dx=400m;t+1)** is melting temperature of depth x=400m at year=t+1.

(e)Then melting amount is calculuated from MC distribution function.

$$\langle (400-399.6)/1000 \rangle 1000GtC = 40MtC/year \equiv \int_x^{x+dx} dx D_1(x).$$

$$\langle (400-399.6)/1000 \rangle 400GtC = 16MtC/year \equiv \int_x^{x+dx} dx D_2(x).$$

Observed value at now is reported "8MtC/y" in Siberian coast.

<http://www.sciencedaily.com/releases/2010/03/100304142240.htm>

$$T(x+dx=400.0m;t+1) - T(x=399.6m;t) \equiv \Delta T \approx 0.01^\circ C ? ,$$

x **Temperature invasion of small length**

t+dt - t $\equiv dt = 1$ year, (fixed observing interval)

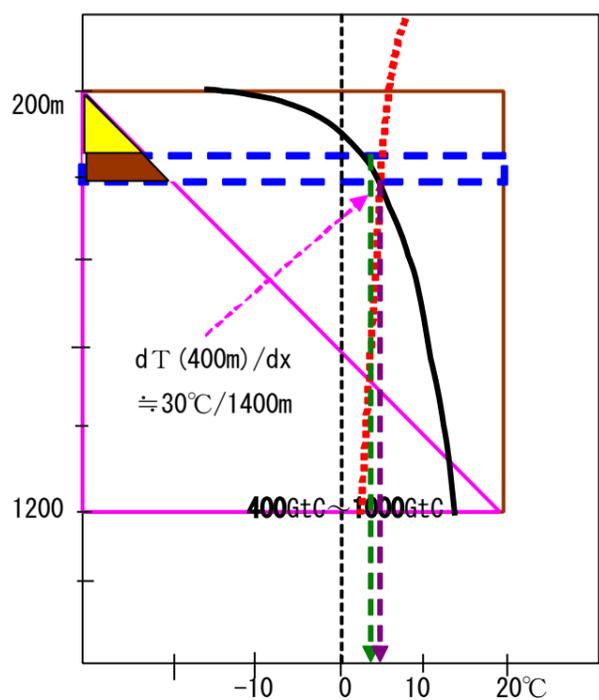
$$dT/dx = 0.01^\circ C / 0.4m \quad (\text{very small Melting Temperature Gradient}).$$

$$dx/dt = 0.4m/y \quad (\text{Melting Temperature Invasion of small velocity}).$$

Those state may be **sea ice lid effect** making stable temperature shift.

(f)**CONCLUSION:**

Even "increasing very small" sea temperature gradient becomes fairly dangerous !!!. If sea ice lid was vanished,then what would happen.



Naration24:

(3) **The most essential factor is heat flow amount into Arctic $\Delta Q_A(t)$ by global temperature rise $\Delta T_G(t)$.**

(a) $\Delta Q_G(t) = C_G \Delta T_G(t)$.

$<C_G = 8.7 \times 10^{24} \text{ J/K} : \text{global dynamic heat capacity} = \text{heat amount for } 1^\circ\text{C up}>$

(b) $C_A = \text{Arctic ocean total heat capacity} = 7.3 \times 10^{22} \text{ J/K} \doteq C_G/10 !!$.

$$\Delta Q_A(t) = C_A \Delta T_A(t) = C_A \times 1^\circ\text{C} = 7.3 \times 10^{22} \text{ J/K} \doteq C_G/10 !!.$$

(c) **Heat entirely flows from higher temperature zone to lower one.**

That is, heat re-distribution into Arctic is higher than any other zone in earth.

And also the heat capacity C_A of Arctic ocean is a few as $C_G/10$,

of which temperature would be easily risen.

(d) **COP16 in Mexico had agreed more 1°C rise, which would be catastrophic for Arctic (and also for our planet).**

<http://www.777true.net/suffer-for-perishing-or-for-surviving.pdf>

(e) **Now Arctic summer ice lid has been declining to "zero" in a few years !!!.**

Note Arctic temperature rise is 2~4 times larger than global one.

Therefore Arctic T rise $< 1^\circ\text{C}$ need global T rise $= 0.2 \sim 0.4^\circ\text{C}$.

(f) **Summary and conclusion (perspective at now):**

Arctic stability has been entirely due to the wide sea ice lid one which intercept **heat invasion** into huge amount of methane clathrate reservoir in the sea floor and the zundra. Therefore, once summer ice lid would have disappeared, terrible heat invasion to deeper sea floor would begin. It would be similar to begin running through land mine field.

☞: Therefore, in **2007 of the lowest ice cover recorded**, the concerned scientists and their supporters in the world had began global and simultaneous campaign on the warning, but they failed substantially.

Almost global citizens were entirely ignorant at all, which is still the same at now.

The decisive and fatal fact is that current trend of global huge carbon emission never fail to encounter fire hell to mass extinction in decades.

(g) **Summary and conclusion (possible operations at now):**

I : **Emergent global operation against Carbon emission with more than 80% reduction rate from right now.**

II : **Operation emergent global forestization** by quick growing with larger carbon sink plants in deserts and others.

III : **Geoengineering possibility :**

Heat flow intercepting operation for **Bering strait** by water gate setting.

It would be big project with uncertain danger reaction possibility.

IV : **No Regret Principle :**

At now almost our defeating might be decisive, therefore,

if any our trying would have become fail, it would not become our regret !!!.

Unless our trial, all the life on earth would be encounter terrible heat hell world to perish.

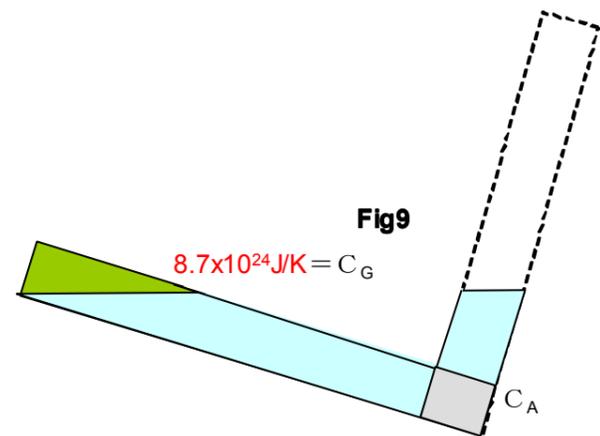
Then which do you opt

suffer for perishing or surviving ??.

photo&movie24

$$C_A = 7.3 \times 10^{22} \text{ J/K} \doteq C_G/10 !!.$$

If huge heat went toward Arctic, outrageous event could occur in near future.



$$C_A = 7.3 \times 10^{22} \text{ J/K} \doteq C_G/10 !!.$$

Heat entirely flows from higher temperature zone to lower one (photo&movies).

Now Arctic summer ice lid has been declining to "zero" in a few years !! (photo&movies).

(f) **Summary and conclusion (perspective at now):**

(g) **Summary and conclusion (possible operations at now):**

Naration with following texts photo25

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

This problem may be far difficult than climate science facts, because the most duty of **climate justice** is **IPCC's** work, but they don't do. However, now is fatal time when none should say who is what, but what is emergently necessary. It could not be nothing without the truth.

naration with this text box photo.

(1) **The current scenario of COP16 agreement= 1 °C rise is decisively catastrophic without "salvation" !!!.**

(2) **The most severe scenario of almost zero emission(=max carbon sink) is about 0.3°C rise. Even this might not be sufficient.**

Because, 0.3°C rise seems not assure safety, then temperature rise in Arctic may be 1°C rise, which could not say safe for the Methane Catastrphe Possibility in Arctic. The last chance may be setting **water gate at Bering strait** to shut down heat flow from Pacific ocean.

[A1] (5)(f) II : EGT is an equation of $T_g(t)$ which can be solved explicitly by assigning $(m, @ (t))$ as a function of programmed GHG concentration.
<http://www.777true.net/Global-Temperature-FACT-7.ppt>

☞: Above mentioned method predicted about **0.3°C rise in 30 years** by **zero carbon emission simulation**.

{390ppm(at now) - 350ppm(by J.Hansen)} / <1.5ppm/y: max carbon sink> \approx 27 years.

(3) **Therefore, our "possible limit scenario" is more than 80% carbon reduction from right now !!! .**

naration with this text box photo.

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

"If people once had agreeded, they would endeavour to make better life under the constrain = CC(1)(2)".

(1) **Maximizing Atmospheric Carbon Sink by Marine and Land Vegitgation** to increase Heat Disspation from earth into space.

→ Operation Global Forestization, geo-engineering, ...

(2) **Saving Food Production and Supplying for Citizens Life by Minimizing Carbon Emission.**

→ **Recommending Foods and Eenergy self-sufficient communities** in villages, districts, nations,

naration with this text box photo.

[D2] : **Declaration of Global War against Atomospheric Carbon toward Global Total Resetting.**

It's Discontinueous Regime Transition, because of considering each individual and corporation affairs are too much time loss.

With decisive preparation duration, we must make "Declaration of Global War against Carbon at definite day".

Emergent Global Command on Limit to Carbon Fuels !!!.

**Unless this command, all the life on earth would be encounter terrible heat hell world to perish.
Then which do you opt suffer for perishing or surviving ??.**

Naration with text photo26:

(1) **Only by global agreement** could accomplish the operation aim,
 → **Easy comprehensible, but Decisive the full Explanation.**

(2) **Only by global strict management** could accomplish the aim,
 → **World Military Force with GHQ established by democrat way.**

(3) **World Military Force with GHQ (General Head Quater).**

By global agreement on endeavouring **CC**, **global military** is to manage and to execute and global citizen join the military farmer soldier for the emergent duration (**operation GLOBAL RAMADAN**).

→ <http://www.777true.net/OPERATION-GLOBAL-RAMADAN.pdf>

WMF duty=management on

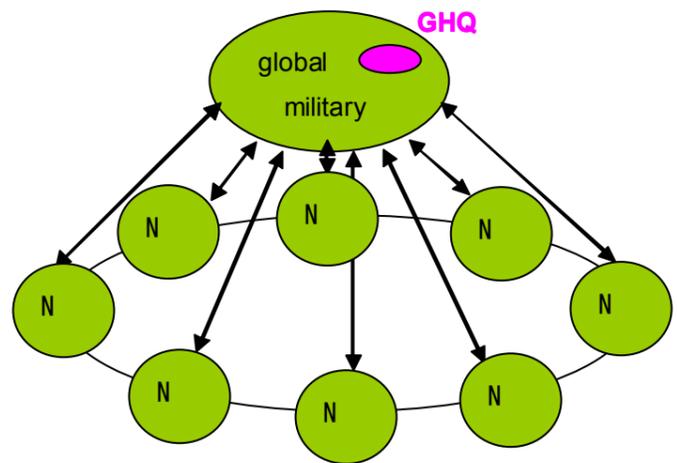
- (a) **Food support & Carbon Police Activity**
- (b) **Forestization, geo-engineering, ...**
- (c) **climate observation, prediction, the bulletin,**
- (d) **international dispute settlement, international migration support**

(4) **Each nation government's duty.**

Under the global military management, each nation government do ensure people's life with **constrain of CC**.

- (a) **optimizing food & energy supply for secure people's life.**
- (b) **producting labour assignment (management on national farmer soldier),**
- (c) **resetting financial system, managing industry etc....**

photo&movie

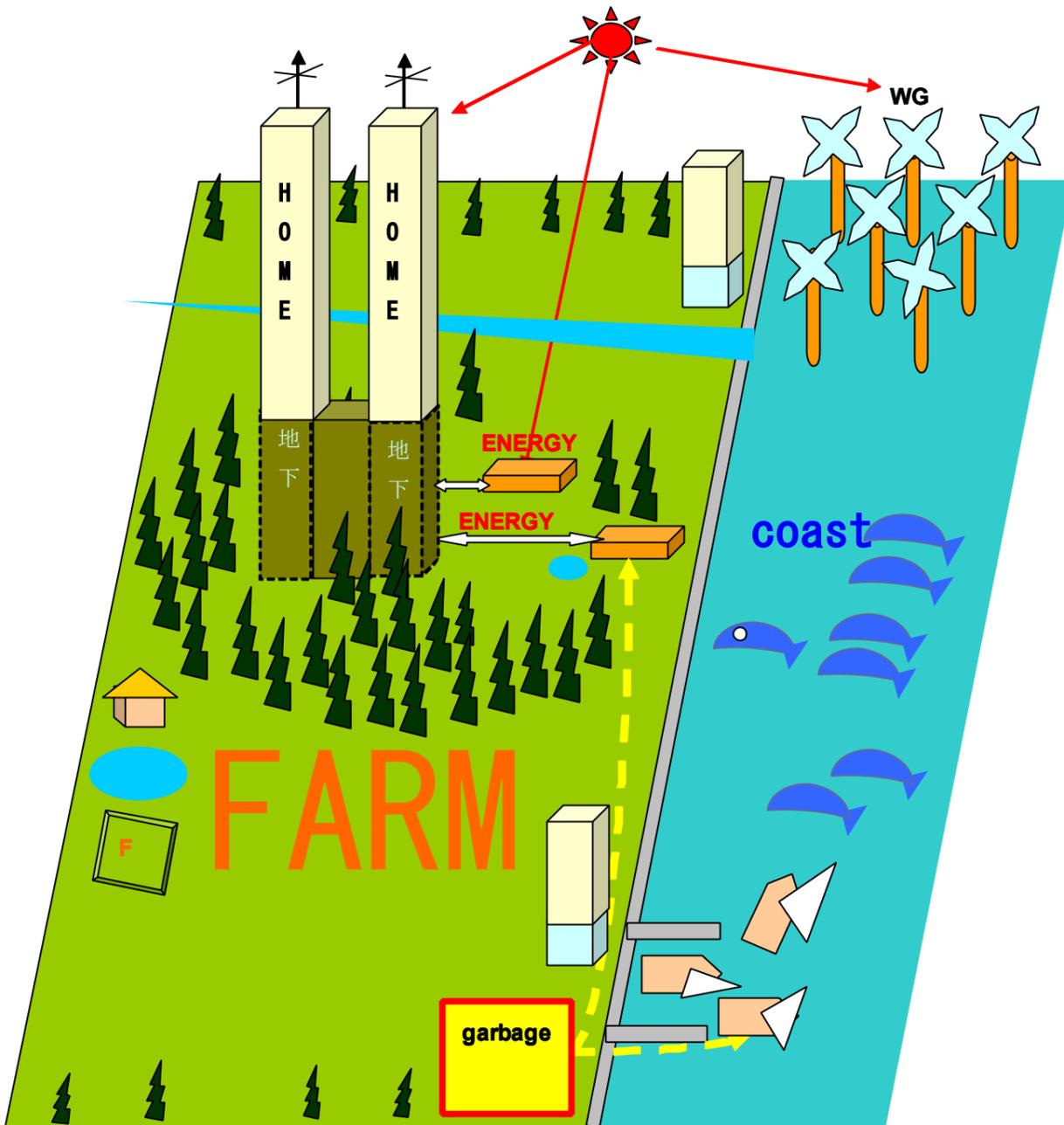


WMF duty=management on

- (a) **Food support & Carbon Police Activity**
- (b) **Forestization, geo-engineering, ...**
- (c) **climate observation, prediction, the bulletin,**
- (d) **international dispute settlement, international migration support**

photo:

 <http://www.777true.net/Crisis-Management-Model.pdf>
FOODS & ENERGY SEL-SUFFICIENT COMMUNITY MODEL 2011/6/12



Naration

People could be fundamentally free when they could save

**foods,
 energy
 and
 home.**

Naration with text photo27-1:

[D3] : Limitaion on Carbon fuel and the

Resetting Nation Production System before the Declaration Day.

How to manage **carbon fuel rationing** may be high priority task for government for the initial time being. This emergent situation has an aspect of something like **retro-recovering way of life with small fuel energy dependency.**

But **computer aided tools with CC** could be available.

(1)Only industry activity **fitting with (1)(2)<≡Carbon Condition≡CC>** could be chosen.

→ agri-works, fishery with minimum **logistics = the 1st fundamentals.**

This is food-energy self-sufficient(or more)communities the very best fundamental.

☞:machinery works in farm might be changed to hand works for **CC by national farmer soldeir(≡NFS).**

N27-2,(2)Most of **carbon extravagant industry** would be closed.

→ **jobless could join national farmer soldeir with food-house assurance.**

Those are simuletaneously **bankrupcy of many corporates,**

so **global financial resetting is also decisive.** Debt and Bond shall be vanished.

Nation people must become a family,therefore all of their debt and wealth

must be devoted to a mother= nation. (This could be simuletaneous

relief of now world encoutering **unprecedented debts crisis in almost nations on earth.**

Confusional them now has no decisive relieving method). Nation farmer soldeir(≡NFS)

is generalized version of current military regime, to where, people could be join military

by their proposal. It is the most national project relieving jobless people and

enhancing people life for fitting CC.

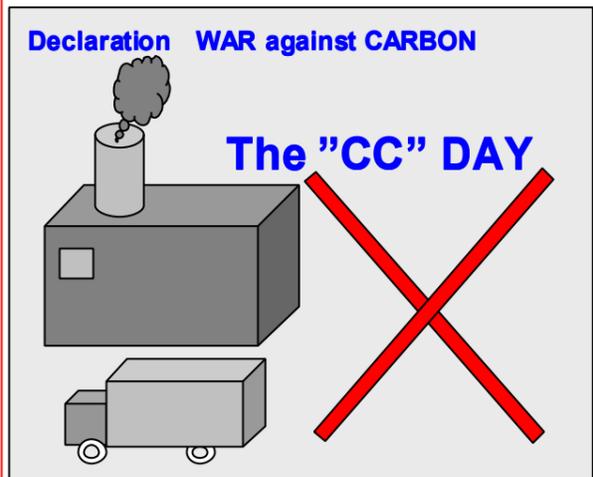
N27-3,(3)Other bussiness farm except above mentioned (1)(2) are to

be closed or continued due to its necessity under the new regime.

→ **jobless people could join soldier.** → **cooperate bankrupcy relieving**

by vanishing debt duty as national policy.

Photo & movie27-1



CARBON EXTRAVAGANT INDUSTRIES TOTAL LIMITAION

DRASTIC CORPORATES CLOSING with BANKRUPCY & JOBLESS

P27-2

GLOBAL FINANCE RESETTING

P27-3

P27-9

RATIONNING NATION REGIME and JOINING NATION FRMER SOLDIER

GLOBAL WAR ON CARBON !!

↑ (4) **Energy Industry:** (hydrogen, natural resources. N27-4 and atomic power would be available). **Carbon fuel** could not be available any more !!!!!. People and community are recommended to develop **own low cost local generator by various energy resource under the condition CC**. Classical Dutch style windmill is low cost and could be stable power generators.

(5) **Communication and Information Industry should be saved with CC.** N27-5

↓ (6) **Traffics-Retail-Industry with CC:** N27-6
Long distance transport by fuel energy could not be employed any more, but railway would be recommended for special goods.
Massive loading railway and **ship** traffic are best energy efficiency.
Larger sail boat and ship are best. Employing cattles are good.

↕ (7) **Materials and Tearable Goods Industry.** N27-7

↕ (8) **General Service public and private.** N27-8
Industry is categorized by hard (flow, stock) and soft (service).
Hard is deviated to low carbon industry and heavy one.

N27-7,(9) **Nation People Big Migration to Agri-Districts (country, foreign nations) = national farmer soldier.**

To maximize people for fitting **Carbon Condition** (1)(2), nation people should become farmer, so they must evacuate to districts. Then how to save farm and home ?, Those could low cost camping tents of soldier for the time being. Farmland could be lent by Nation.. Teachers and Doctors ?, also they should migrate, or **minimum energy online works** would be recommended.

P27-4: **Energy Industry in the new regime**

P27-5: **Communication industry in the new regime**

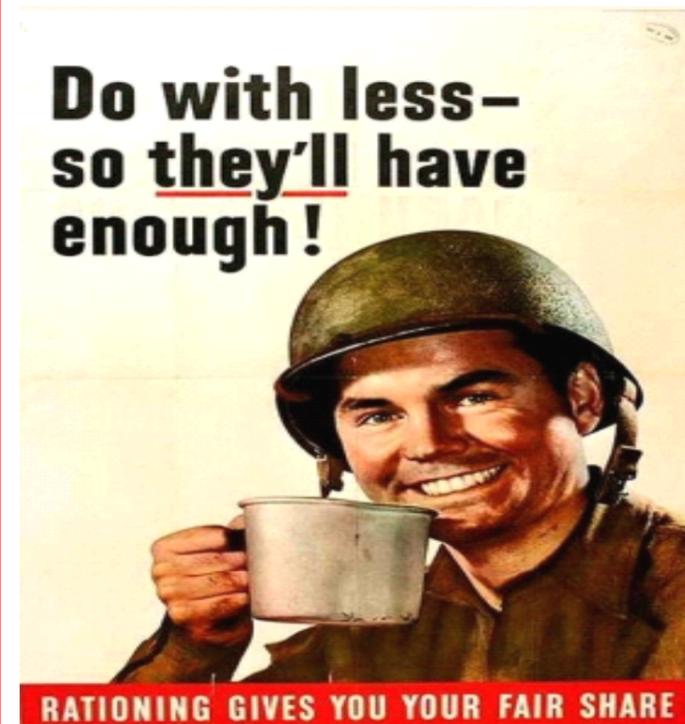
P27-6: **Traffics Retail with CC in the new regime**

P27-7: **Material and Tearable Goods Industry.**

P27-8: **General Service public and private.**

P27-9

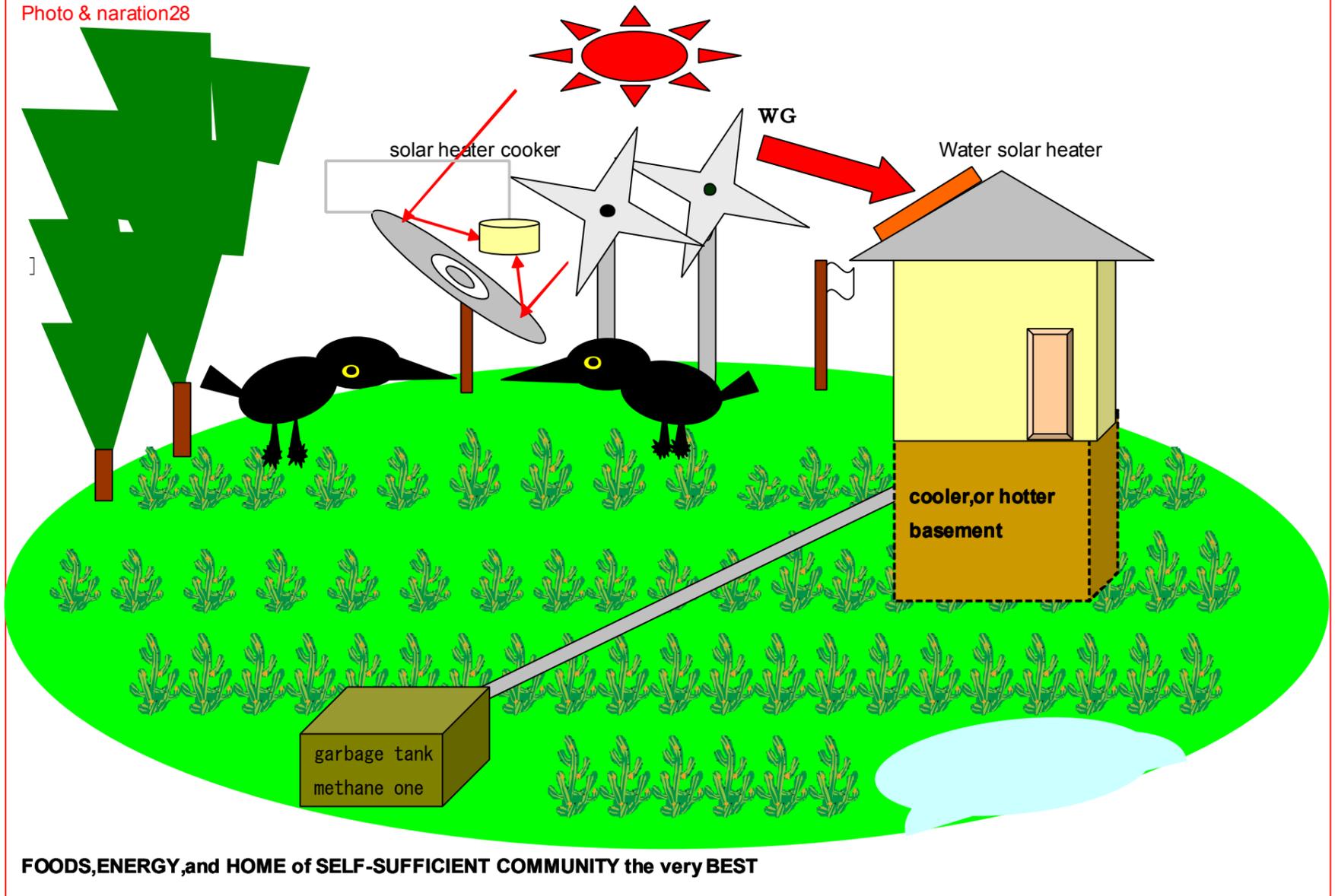
RATIONING NATION REGIME and JOINING NATION FORMER SOLDIER



<http://digital.library.unt.edu/ark:/67531/metadc538/>

GLOBAL WAR ON CARBON !!

Photo & naration28



FOODS,ENERGY,and HOME of SELF-SUFFICIENT COMMUNITY the very BEST

Naration & photo29.

(8) Fundamental and Decisive Postulate of PART-D is unique and only CC.

You could do anything you want under the condition "CC for all surviving".