

Don't Misunderstand on Decisive Critical Numeric in Climate Policy Making

This report is what I (physicist) had noticed about some very critical problems in sites.

Climate Numeric are supremely critical and decisive on Policy Decision !!.

A true science concludes **unique and only answer for a problem**<Goedel's completeness Theorem>, while major climate scientists ignore the completeness.

It is only the completeness that can make **Effective Global Climate Consensus !.**

* However author and scientists can not be complete in the actuality, but they might do errors. Then it is necessary to **debate**, only by which we could **correct errors**.

That is, the lack of **overwhelming judgement by science** (B. Obama) might cause massive people confusion and desperate, so our concern must be at here. <2016/10/2>

Websites with climate problems should have reliable climate consultant experts.

Certainly also Suzuki decisively agree with the **'Radical Change' !!!.**

Forget Paris, Scientists Say 'Radical Change' Only Way to Stay Below 2 Degrees.

<http://www.commondreams.org/news/2016/09/30/forget-paris-scientists-say-radical-change-only-way-stay-below-2-degrees>

To much fanfare, global leaders have agreed to tackle the climate crisis by ratifying the Paris climate agreement, but a group of esteemed scientists is warning that current pledges to reduce emissions are far from sufficient and, in fact, put the world on track to reaching the dangerous 2°C climate threshold by 2050... <2016/9/30.>

(1) **An additional warming of 0.4-0.5°C** is expected as a consequence of GHGs that have already been emitted. → This value may be too large (Suzuki <exact debate necessity>).

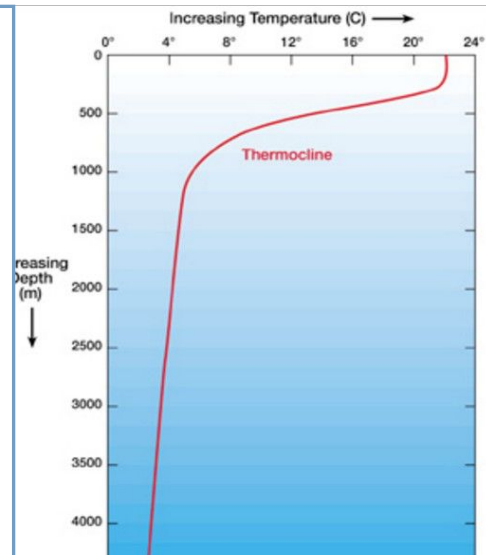
(2) This additional increase in global temperature is due to **the slow response of the ocean-atmosphere system** to the increased atmospheric concentrations of GHGs.
→ ocean-atmosphere temperature trend is rapid response for debt heat change in a year!
Genuine Debt amount is slow response for repayment term (debt=CO2 extraction)

(3) **Global average temperature has already reached 1°C** above pre-industrial times in 2015, as reported by the World Meteorological Organization. This is a significant increase, compared to the 0.85°C above pre-industrial times in 2012 reported by the IPCC.
→ $1 - 0.85 = 0.15/3\text{years}$ is certainly too large, but which could be a temporal fluctuation.
This is explained by statistical theory with observed graph.

This is brave article who dare to take critical climate numeric, other site rarely refer to ones.

Article(2) has **mis-explanation** possibility. It might cause people rather desperate, I don't know their exact means of **the slow response of the ocean-atmosphere system**. However, No, No, slow response is **decreasing speed** of atmospheric accumulated **CO2 the genuine debtor**. Simply to tell, our suffer is due to too **much debt** of accumulated CO2. **If repaying rate(extraction) is more rapid, the suffer could cease more rapid.**

Even having accomplished debt repaying, bonder will not give the certification at soon ?
 It is rather ridiculous !!,
***Annual Heat Debt ∝ Annual Temperature Rise**
Annual Heat Debt is stored in Global Ocean (~15°C) by depth about depth 700±100m. Below depth 700±100m is **6°C !!!**.
 The Ocean Depth is called **global heat capacitor**.
If nothing heat debt, T rise stop instantly !!
 Heat debt is caused by **CO2 the genuine debt**.



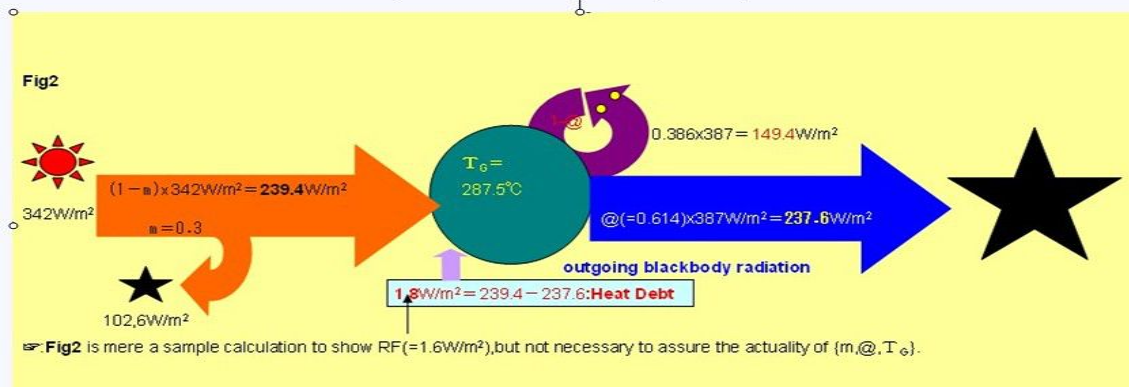
Temperature Profile of Ocean Water in the depth = Global Heat Capacity

<http://www.windows2universe.org/earth/Water/temp.html>

Annual Heat Debt is determined the **accumulated CO2 CONCENTRATION** in atmosphere. **It is CO2 CONC the Effective Debt** that has been causing our suffer. It must be repayed rapidly.

The temperature trend calculation principle is simple finance account as follows.

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



Following is annual heat account equation.

Global Heat Capacity \times T rise/year = Insolation Heat input – Cooling Radiation output..

☞ : temperature rise is due to surplus heat=input-output \equiv debt the bad in this report.

<http://www.777true.net/Accounting-principle-verify-reconstruction-the-Past-Climate-Records.pdf>

As you know, higher CO2 conc acts to weaken Cooling Radiation output.

Global Heat Capacity(the ocean depth) is almost constant for annual heat dealing times.

In long as decadal years, the depth heat is to go toward deeper colder sea floor.

That is, it acts good for ocean cooling !!!,

* However when temperature rise would have been stopped,

then temperature would go toward downward, the cooling radiation become rather weaken,

So downward temperature trend is also rather weakened (see graph of zero emission and

-1.2ppm extraction) Then it is also rapid CO2 extraction that could make down speed larger.

The Debt Repayment=Rapid CO2 Extraction could be possible both by

urgent 80% CO2 cut by **renewable energy tech** and

http://www.777true.net/Part_6_non-carbon-Energy-Engineering.pdf

<http://www.777true.net/Why-more-than-80percent-cut-and-the-Realizability-in-your-life.pdf>

<http://www.777true.net/Life-Assurance-by-National-Strategy-in-coming-climate-WAR-TIME.pdf>

marvelous possibility of **olivine CO2 absorbing tech**.

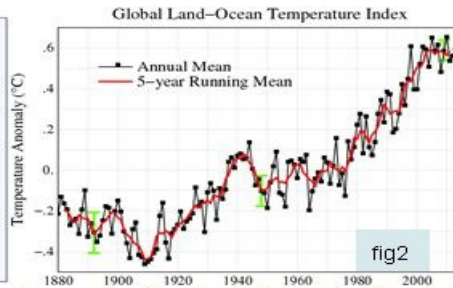
<http://www.777true.net/Rapid-CO2-Absorption-with-Mineralisation-of-CO2-by-OLIVINE.pdf>

This tech must be grown up rapidly as the Manhattan one in the wartime.

Article(1): **An additional warming of 0.4-0.5°C ???**

This is very serious and critical problem, why such numeric had been derived ???

I wish to ask you the validity, my calculation is below 0.2~0.3°C. My calculation is too simple than that of IPCC, but it can agree with the past long observation.



<http://www.777true.net/Accounting-principle-verify-reconstruction-the-Past-Climature-Records.pdf>
http://data.giss.nasa.gov/gistemp/graphs_v3/

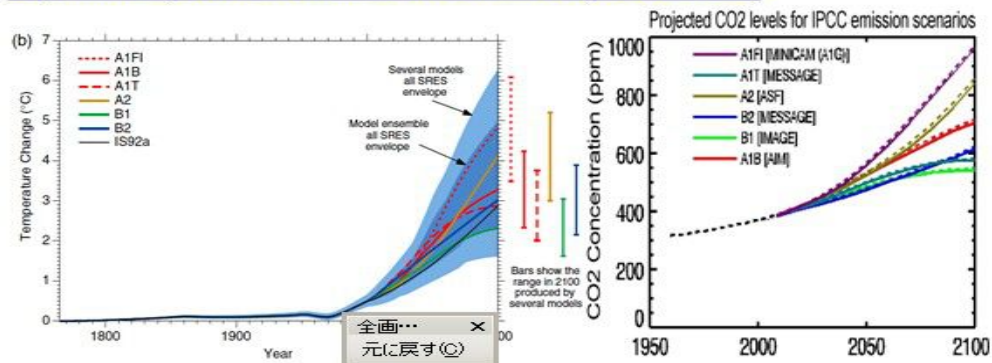
[a] : **IPCC has nothing simulation on temperature recovering to now state.**

Also this is fatal. By temperature rising only, it is too evident that globe becomes full disasterous toward extinction.

IPCC Temperature Prediction with emission scenarios

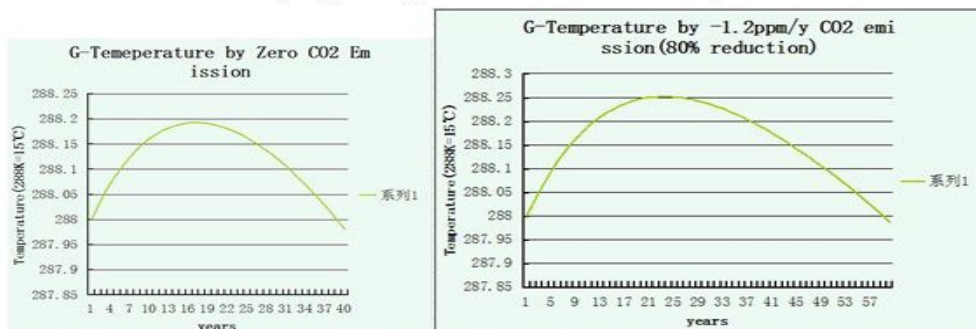
<http://www.skepticalscience.com/ipcc-overestimate-global-warming.htm>

<http://www.skepticalscience.com/iea-co2-emissions-update-2010.html>



[b] : **777true.net showed temperature recovering process by 80% CO2-cut.**

Unless Arctic Cooling engineering, also this would be in vain.



<http://www.777true.net/Definition-on-Radiative-Forcing.pdf>

The reliability of simulation was proved by recovering the record of 1850~2010

<http://www.777true.net/Accounting-principle-verify-reconstruction-the-Past-Climature-Records.pdf>

The condition is that the process would go as the CO2 emission scenario.

(3) Global average temperature has already reached 1°C above pre-industrial times in 2015, as reported by the World Meteorological Organization. This is a significant increase, compared to the 0.85°C above pre-industrial times in 2012 reported by the IPCC.

$1 - 0.85 = 0.15^\circ\text{C}/3\text{years} = 0.05^\circ\text{C}/\text{y}$ is too large, which may be a temporal fluctuation. Certainly recent temperature rise is steepest as $0.4^\circ\text{C}/\text{y}$ (2011~2015).

*Below graph with red dot circle .

In few years, global 12 month average temperature might face down trend phase.

Note even 12 month averaged global temperature is to fluctuate around the 11 years average value by $\pm 0.2 \sim 0.4^\circ\text{C}/\text{y}$. See following graph.

Following graph was suggested by Dr J.Hansen.

http://www.columbia.edu/~jeh1/mailings/2016/20160926_BetterGraph.pdf

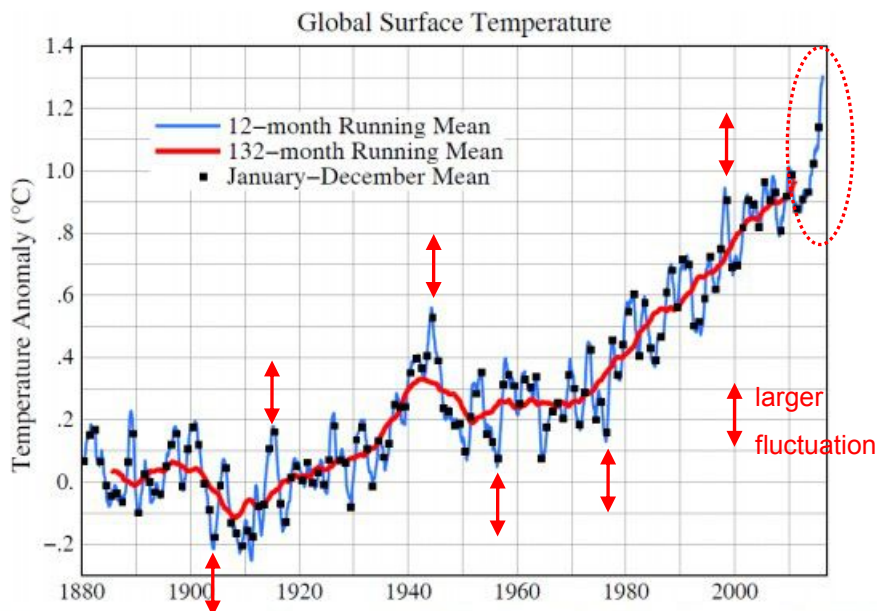


Fig. 1. Global surface temperature relative to 1880-1920 based on GISTEMP analysis (mostly NOAA data sources, as described by Hansen, J., R. Ruedy, M. Sato, and K. Lo, 2010: [Global surface temperature change. Rev. Geophys., 48, RG4004](#). We suggest in an upcoming paper that the temperature in 1940-45 is exaggerated because of data inhomogeneity in WW II. Linear-fit to temperature since 1970 yields present temperature of 1.06°C , which is perhaps our best estimate of warming since the preindustrial period.

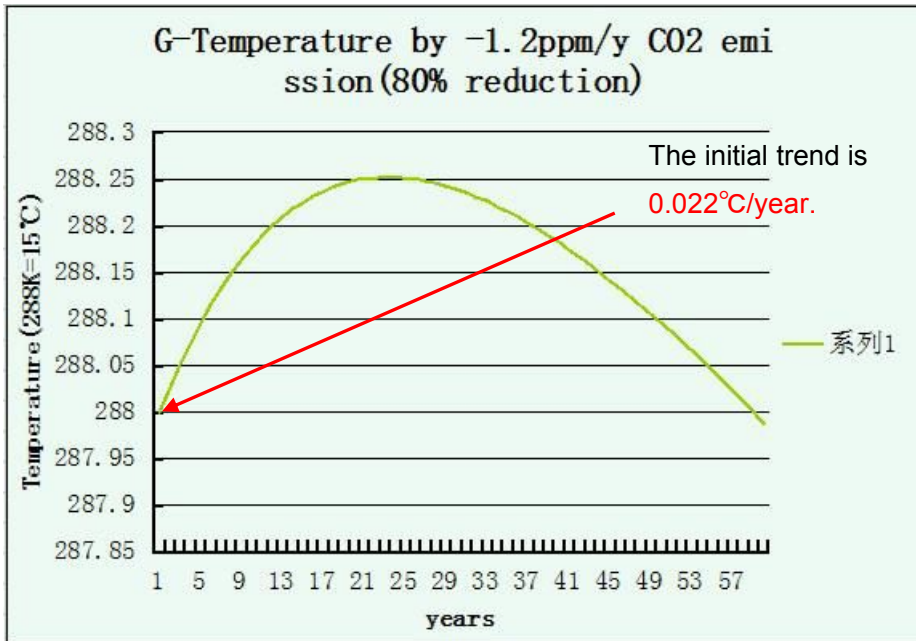
* recent liner trend (by Suzuki) = $\langle 1.15(2015) - 0.75(2000) \rangle / 15\text{y} = 0.027^\circ\text{C}/\text{y}$.

$\langle 1.10(2015) - 0.55(1990) \rangle / 25\text{y} = 0.022^\circ\text{C}/\text{y}$.

Certainly this liner trend estimates about 0.3°C rise in decade, which is dangerous.

<http://www.777true.net/0.1C-Temperature-Rise-could-cause-Climate-Wild.pdf>

Thereby, urgent massive CO2 extraction is decisive to **TURN** the bad trend. !!!



(4) **Suzuki's opinion** < if you can not agree with, I wish debating with you !!! >

Authors temperature prediction method is too simple by only account principle.

Thereby, someone might doubt the reliability. It is certainly right.

More Confirmation on the Climate Fact.

Risk management is **anticipating all possible coming bad events.**

<http://www.777true.net/More-Confirmation-on-the-Climate-Fact.pdf>

Major climate scientists with IPCC will not demonstrate **temperature down simulation graph by CO2 massive extraction**, which means nothing, but **decisive defeating at all !!!**.

By such ways, we could not be saved in **having come climate war**. Author strongly wish engineers, other field scientists and students must be united toward another IPCC for making urgent climate policy for rapid actions.

http://www.777true.net/The-fatal-failure-of-IPCC-climatology_Why-is-IPCC-impossible.pdf

<http://www.777true.net/Nothing-scientists-declaration-on-deadly-climate-facts-has-been-intercepting-the-salvation.pdf>

☞ : Our most concern **climate variables** {global, regional temperature, rain fall intensity, wind intensity, ...,} at a time and at a region has **large fluctuation** around the time interval averaged value. A **temperature** at a region and a time is ruled by heat input and output **flows**. The main cause is climate fluid dynamics (FD) on flow of ocean and of atmosphere (weather prediction). FD has **random elements** in micro (diffusion) and also macro (turbulent flow). Their overwhelming sum amount effect has also fluctuation due to statistical principle called **central limit theorem**. The details is to show in authors site before long.

Global Temperature is Ruled by Annual Heat Budget

Annual Heat Budget is Ruled by GHG = CO₂ Concentration in Atmosphere at now.

Possible Coming Most Risk of GHG would be caused by **Arctic Methane Catastrophe**

<http://www.777true.net/Arctic-Cooling-Engineering-the-Summary.pdf>

<http://www.777true.net/Rapid-CO2-Absorption-with-Mineralisation-of-CO2-by-OLIVINE.pdf>

It is Global Climate War Declaration that enable prompt regime transition.

<http://www.777true.net/It-is-Climate-War-Declaration-which-enable-prompt-regime-transition-without-confusions.pdf>

http://www.777true.net/Do-or-Die_Mending-on-Deadly-Climate_the-Problem-Solution-Reaction.pdf

http://www.777true.net/Q-A_Die-or-Do_Mending-the-Deadly-Climate_the-Problem-Solution-Reaction.pdf

Related Pages:

<http://www.777true.net/Overwhelming-Judgment-of-SCIENCE.pdf>

<http://www.777true.net/Goedel-Chaos.pdf>

*A statistical theory treat unpredictable random phenomena, but the theory-itself is complete as deterministic theory. That is, probability density function for fluctuation is unique.

<http://www.777true.net/No-advising-on-Arctic-Methane-Emergency-to-Obama.pdf>

http://www.777true.net/How-to-Make-Big-Problem-Smaller_Challenging-the-Dilemma.pdf

<http://www.777true.net/Oil-and-Military-the-Deathperate-Industry-has-been-causing-the-world-desperate.pdf>

<http://www.777true.net/Global-People-Must-Search-an-Essential-Evile-Origin.pdf>

http://www.777true.net/Entirely-negating-matters-visible_but-research-who-has-been-ruling-this-world-deep-behind-you-eye_Faust.pdf

<http://www.777true.net/The-Rockefeller-File.pdf>

http://www.777true.net/You-never-could-be-saved-by-IPCC_s-temperature-projection_but-entirely-toward-Hell.pdf

<http://www.777true.net/We-have-already-gotten-technical-tools-to-intercept-climate-hell.pdf>