－More 1℃ rise agreement COP16 would cause catastrophic ?!!－　　'10/12/15,17

The IPCC most defeact is neglecting Arctic methane catastrophe possibility, COP16 allowing 2℃ rise would be no-effective saving. Global ensemble synchronous -paralyzing has been causing scilence on fact, which must be digged by us all.

Bad news from UK. http://www.independent.co.uk/environment/climate-change/at-last-the-climate-changes-2158127.html

[０]：Heat Account for global and local (the introduction):

(1)1st low of thermodynamics (TD) : energy (heat amount) conservation low.

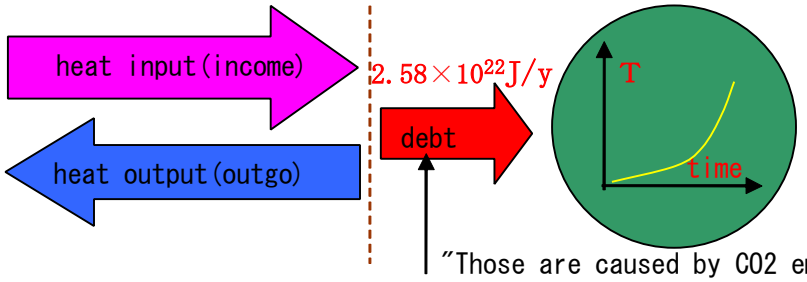
(2)2nd low of TD : heat flows from higher temperature zone to lower one.

(3)heat capacity≡heat amount (J) for 1℃ (K) temperature up＝weight×specific heat.

http://www.777true.net/Global-Temperature-FACT-7.pdf

(4)The essential cause＝surplus heat input on globe (radiative forcing＝1.6W/m^2).

You could account {Debt＝Income－Outgo}, which now has been punishing all of us.



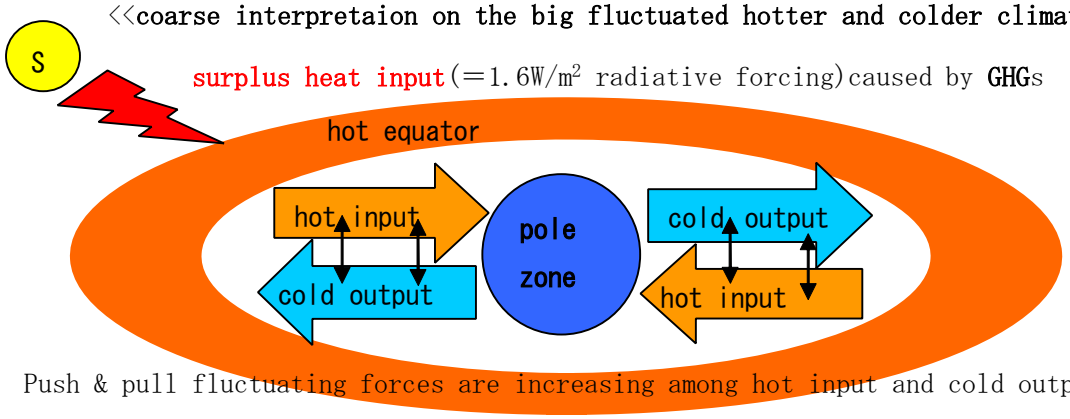
So long as debt (the surplus heat input) was positive, none could turn temperature down, which would cause more climate disasters on (foods & houses) on globe.

(5)Global heating up would cause extreme hotter and colder climates.

Caution that a judgement by local climate would make you strong delusion.

Bigger fluctuation would cause extreme climate of hotter and colder due to increasing of heat exchanging betweeen hotter equator and north (south) pole zone.

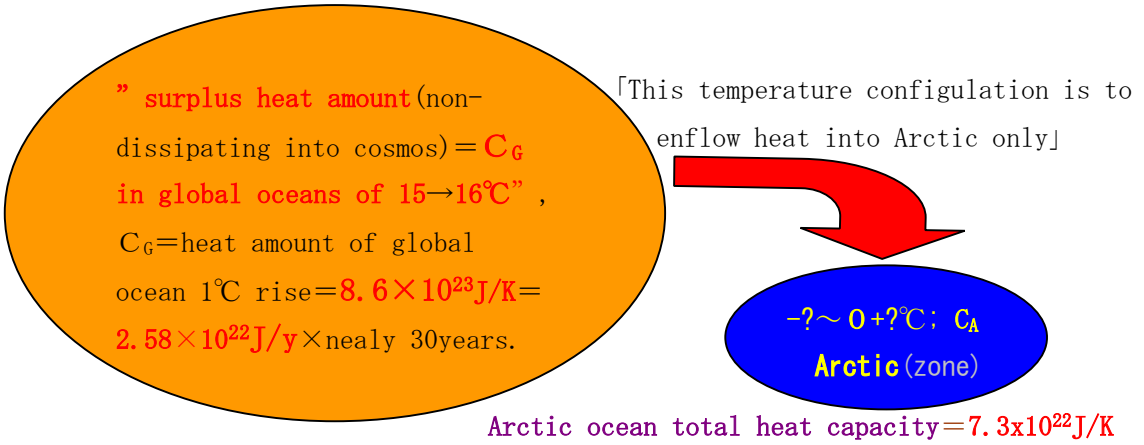
<<coarse interpretaion on the big fluctuated hotter and colder climate>>



Push & pull fluctuating forces are increasing among hot input and cold output.

[１]：Global１℃ rise is catastrophic heat amount、the easy calculation。

❶Conclusionary to tell, the surplus heat input amount(the total debt/y) not dissipated into cosmos, shall thermally be distributed from higher temperature tropical zone to lower one(arctic(antarctic)) by ocean flows, due to thermo-dynamics 2nd-low. The mean global 1℃ rise would cause more 1℃ rise in Arctic zone, where 2,3 times temperature rise has been observed. If so, Arctic would become catastrophe of methne clathrate(=MC)(500～1400GtC in basin and nearly same amount in tundra) due to its small allowable thermal marging of 1,2,3,.℃.



Arctic ocean total heat capacity＝7.3×10^{22}J/K

☞：Note that 2.58×10^{22}J/y is the global surplus heat input on globe/year.

☞：Maximum summer solar input on Arctic is larger thant that of equator !!. Thus 2/3 of ice cover can be melted in summer in recent years.

☞：Note that (ice and MC)melting heat is higher priority than heating up sea water-itself. Thus buge heat relaxation role of ocean become rather singular in Arctic. Extremely telling, year ocean and summer solar heat inputs in Aarctic would go toward the thermal bombs after diminishing Arctic ice cover lid(2013 summer predicted by USA researcher). In above coarse temperature configuration model, the surplus heat would entirely go toward and make Arctic ocean 10℃？up at last. It's evidently catastrophic.

*mean Arctic ice diminishing weight/year in last 30 years＝391Gt. The necessary melting heat amount＝1.31×10^{20}J/y。

Only total Arctic ocean 1℃ up heat amount(C_A＝7.3×10^{22}J/K) could melt both ice and catastrophic MC 10GtC(95Gt) with ease. You could notice danger Arctic.

❷supplement：

(1)surplus heat input on globe(radiative forcing=1.6w/m^2)

＝(solar)heat input on globe－cooling radiation output from globe。

2.58×10^{22}J/y(accumulated heat)＝radiaive forcing×earth area×year seconds。

* earth radius＝6.38×10^6m. year seconds＝3600sec×24×365.

(2)global (active)heat capacity C_G＝heat amount of global 1℃ up in a year

＝(surplus heat input on globe/y)/(year temperature rise)

＝(2.58×10^{22}J/y)/(0.03K/y)＝8.6×10^{23}J/K≡C_G

＝global ocean area×(mean heat active depth≒600m)×sea water density

×the specific heat

＝global ocean(mean heat active depth≒600m)sea water weight×the specific heat.

☞:heat capacity of atmosphere is that of (≒1/1000) of oceans and is neglegible.

(3)global heat capa C_G×temperature year rise(dT/dt≒0.03K/y)＝the surplus heat.

*global year temperature rise≒0.02～0.04K by data.

(4)Total arctic ocean heat capacity＝C_A

＝the ocean area×the mean depth×sea water density×sea water specific heat.

http://www.oceansatlas.com/unatlas/about/physicalandchemicalproperties/background/seemore1.html

(5)ice melting heat＝334.7KJ/KgK、that of methane clathrate＝440KJ/KgK.

Methane Clathrate(CH4·6.5(H_2O))→10GtC＝10Gt<16＋6.5(18)>/14＝95Gt.

(6)2010 Arcitic maximum ice volume＝8000Km^3.

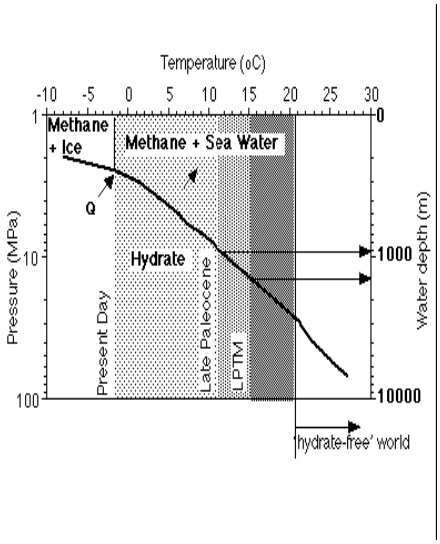
http://climateprogress.org/2010/09/09/julienne-stroeve-nsidc-scientist-arctic-sea-ice-melt/

(7)radiative forcine of 10GtC methane clathrate(MC)＝1.6W/m^2.

(8)MC Pressure-Temperature phase diagram and the stability boundary curve:

Note the depth of zero temperature,it is as shallow as almost 200m.

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



[２]：Policy decision must be comparing expectation value of "yes or no".

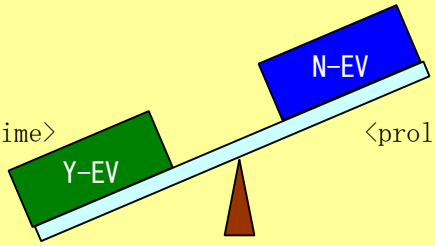
☞：Is it realy ?,the discussion is too coarse？！.But the fact is upside down.It is more impossible to prove safety of life by prolonging the status quò.

Policy decsion dose not need 100% accuracy of science,but must be comparing expectation value of "yes or no".

＊expectation value(EV)≡realizing possibility×the weight of realization.

weight of global lives　　weight of the civilization

<establishing emergent regime>　　<prolonging the status quò>



Unless establishing emergent regime against the climate change catastrophe(CCC), none could be saved.The regime is to make global emergent operations for more than 80% CO2 reduction by Global General Head Quater(scientists,statemen, military men,etc}with soliders of all nation citizens and with all nation disarmament.

(1)Becoming solider could save eating and sleeping.And also they could migrate and serve for necessary emergent operations without fees.
It's far better than becoming home-less and life-less.

＊Most concern of citizens now encountering the global ressesion is to secure tommorow's own life.

(2)Global disarmament could save outrageous huge necessary budgets.
The CCC is world war the final without industrialized weapons.We now have no time to spare on any local disputes any more.

(3)Above all,the CCC is the final judgement for mankind becoming death or alive.

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

[３]：The stubborn status quò is danger swindler.

Somebody accused that what we told made everybody dismal(despair),but our aim is making hope to co-survibe.Then which do you opt whether prolonging life of the global status quò which shall surely cause our perishing with long time sever suffer of us all after short time pleasure at now, or establishing global revolution regime against the climate catastrophe with long time sever suffer of us all before pleasure of great liberation at future ?.

http://www.777true.net/CCC is conspiracy.pdf