

"An Extra 1.9 Trillion tonnes Carbon just from CO₂." [CH₄ omitted].

"Ticking Arctic Carbon Bomb may be bigger than thought."

Science

American Association for the Advancement of Science, December 2012

AAAS

"Climate models exclude Permafrost Carbon Feedback." UNEP [2012]

Arctic ice collapses in local runaway rates of climate change before our eyes.
UKMO's "Jewel in the Crown" Climate Model, "entirely misses this point".

For 'illustrative purposes', here's a rate estimate of only CO₂ release from Permafrost Melt to 2210.

In this, UKMO's feedback-free decelerating "Keeping Control Curves" at their 90%-ile rate, are compared with GCI's slowly accelerating "Loss of Control Curves" curves.

While, for the first 50 years, the emissions difference doesn't appear that great, the concentration differences are, because UKMO's 90%-ile curves unrealistically decelerate but GCI's curves do not.

"As the planet warms, a steady rate of feedback acceleration in the years ahead makes it possible to contemplate a scenario where positive feedback is driving the system as a whole from a point after which 'human-budget-emission-control' becomes irrelevant.

To continue, after twenty years, to ignore this anywhere, let-alone in 'climate-science-policy modelling' community is another form of 'climate-denial'.

Albeit unintentionally, it is an assistance to those 'climate-deniers' whom James Hansen has already accused of crimes against humanity, for willing dangerous rates of climate-change on the future."

GCI to EAC Enquiry, June 2013

