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THE HON DANNA VALE MP
FEDERAL MEMBER FOR HUGHES



14 December 2009

Dr. M. Clark
Chief Executive Officer
CSIRO
PO Box 225
DICKSON ACT 2602

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Dear Dr. Clark,

Please find attached a second letter dated 14 December 2009 that I have written to Senator the Hon Kim Carr, Minister for Innovation, Industry, Science and Research.

As a courtesy I have also attached copies of the earlier correspondence between Minister Carr and myself.

In his reply of 11 November to my first letter of 26 October, Senator the Hon Kim Carr says "I have referred your letter to the CSIRO and have been advised that there are no observational data in either of the published papers you have cited that either disproves the underlying theories on which the global climate models (GCM) are based, or would invalidate outputs from those models." This is a startling piece of advice to a Minister of the Crown. Both the cited papers explicitly state that their observational data flatly contradicts key underlying theories on which all the major GCMs are based.

In their abstract Paltridge et al state "The upper-level negative trends in q are inconsistent with climate-model calculations". They go on to say "Water vapour feedback in climate models is positive mainly because of their roughly constant relative humidity (i.e. increasing q) in the mid-to-upper troposphere as the planet warms. Negative trends in q as found in the NCEP data would imply that long-term water vapour feedback is negative".

In their abstract Wentz et al state "Climate models and satellite observations both indicate the total amount of water in the atmosphere will increase substantially due to global warming at a rate of $7\%K^{-1}$. However, the climate models predict global precipitation will increase at a much slower rate of $1-3\%K^{-1}$." They go on to say "Rather the observations suggest that precipitation and total atmospheric water have increased at about the same rate over the last two decades."

Evaporation must equal precipitation over the medium to long term. As you would be aware water vapour is a powerful greenhouse gas and evaporation (78 Watts per square metre) removes around half of the solar radiation absorbed by the earth's surface (168W/sqm). Consequently, if the rate of increase of evaporation is about the same as the rate of increase of total atmospheric water, as per the observations, the real world water cycle provides negative feedback. However, because the GCMs constrain the increase in evaporation, their virtual water cycle provides positive feedback and amplifies the temperature increase forced by CO2.

A corner stone of science is of course the pre-eminence of observations over theories.

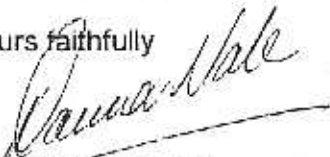
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I am sure that the CSIRO's climate scientists, who provided the above advice to Minister Carr, are both ethical and honest. I have seen copies of the research papers by both Paltridge et al and Wentz et al and I would not be serving the interests of my constituents if I did not insist on likewise seeing copies of the testable, hard science, rebuttals for both the Paltridge and Wentz empirical discoveries, which the team of scientist managing the joint CSIRO/BoM GCM rely on to justify continued use of their otherwise proven structurally unsound GCM.

Otherwise, it would appear the CSIRO's advice, as communicated by Minister Carr, is disingenuous. I am sure this is not what you expect of the CSIRO and write to bring the matter to your personal attention.

Yours faithfully



DANNA VALE MP
FEDERAL MEMBER FOR HUGHES