## V ledovcích vidíme důkazy, že CO2 není tahounem klimatických změn

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Francouzský <u>fyzik</u> revidoval důkazy o tom, že teplotní změny způsobily změny v koncentraci atmosférického CO2 podle záznamů z ledovcových vrtů z posledních 423 tisíc let, čímž vyvrátil tvrzení o tom, že by CO2 měl roli větší než jen zanedbatelnou.

V <u>nové studii</u> Dr. Pascala Richeta se znovu zdůrazňuje "nejzákladnější zásada vědy, princip vnitřní nerozpornosti" během revizí rozsáhlých důkazních materiálů z ledových vrtů, které ukazují, že změny v CO2 jsou vždy až v závěsu za teplotními změnami, a to až o 7 000 let, což je "protiklad k tvrzení" o "vůdčí roli CO2 vtěleném do klimatických modelů."

Toto fundamentální selhání tvrzení o příčinách a důsledcích z experimentálních dokladů "zneplatňuje" výklad, podle něhož je CO2 klíčovým faktorem, který hýbe klimatem. Dr. Richet tudíž naléhá, abychom "to Arrheniánské paradigma zavrhli," protože "kardinálním pravidlem vědy je odmítání hypotéz, které jsou v jasném rozporu s experimentálními zjištěními, a z toho bychom měli vycházet."



Doklady z ledovcových vrtů ukazují "skutečnost, že teplotní poklesy ve všech cyklech oteplování a ochlazování žádným postřehnutelným způsobem nezávisí na koncentraci CO2," což tudíž přesouvá důkazní břemeno ohledně jakéhokoliv vlivu CO2 na teplotu na zastánce" paradigmatu o klimatu taženém CO2.

"Jednoduché vycházení z fundamentální logiky a z konceptu příčiny a následku při kognitivním přezkoumání geochemických analýz provedených vrtů na ledovci Vostok zneplatní zřetelný vliv

skleníkových plynů na klima v minulosti, které se obvykle připisuje CO2."

"Jakýkoliv skleníkový účinek CO2 a CH4 na dnešní klima ještě nebyl zadokumentován," a "korelace s takovou příčinou ve skutečnosti neexistuje."

"Jakýkoliv zřetelný příspěvek CO2 a CH4 na teplotní změny na zemském povrchu zůstávají přímými, nezávislými doklady nepodložené."

"Současné modely trpí logikou důkazů bludným kruhem" i při jimi předpokládané roli CO2 ve zpětné vazbě, která je podobná argumentaci důkazu sporem.

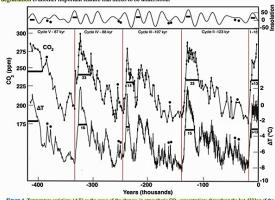
The temperature-CO<sub>2</sub> climate connection: an epistemological reappraisal of ice-core messages

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Abstract. As simply based on fundamental logic and on the concepts of cause and effect, an epistem
examination of the geochemical analyses performed on the Vostok ice cores invalidates the marked greeffect on past climate usually assigned to CO<sub>2</sub> and CH<sub>2</sub>. In agreement with the determining role as

Milankovich cycles, temperature has, instead, constantly remained the long-term controlling paramete
the past 423ky, which, in turn, determined both CO<sub>2</sub> and CH<sub>4</sub> concentrations, whose variations ex

most, a minor feedback on temperature itself. If not refuted, the demonstration indicates that the greeffect of CO<sub>2</sub> on 20th century and today's climate remains to be documented, as already concluded frevidence. The epistemological weakness of current simulations ordinates from the four that the surface. ted, as already concluded from other temological weakness of current simulations originates from the fact that they do not re the representation of the constant of the cons



As noted above, an important feature that must be accounted for in terms of dynamical responses is the constant 7 kyr time lag between the temperature and CO<sub>2</sub> peaks at the interglacial-glacial transitions (Fig. 1).

The feature is also clearly seen in cycle II, where the large jagged CO2 peak contrasts with the rapidly decreasing magnitude of the temperature peak. Hence, the fact that temperature decreases do not depend in any noticeable way on CO2 concentrations in all cycles clearly demonstrates that the synchronicity required by the feedback mech-

anism is lacking.

Fig. 1 again demonstrate that temperature is ensitive to insolation changes but not to CO<sub>2</sub> concentration, a conclusion also consistent with the contrasting the jaggedsmooth contrast of temperature and CO2 records

Regarding CO2 feedback, the CH4 concentrations raise yet nother difficulty that may be even more fundamental. Like those of CO2, their variations could not be directly caused by changes in the solar energy transferred to the Earth's atmo sphere. They necessarily resulted from temperature changes. If CO2 contents had exerted a noticeable feedback on t peratures, then the peak widths of the reported CO2 and CH4 concentrations should be highly correlated. Such a causal correlation is actually nonexistent because, in marked contrast with the CO2 contents, the CH4 concentrations show no time lags whatsoever with respect to temperatures.

But CH<sub>4</sub> concentrations ranged from only 0.4 to 0.7 ppmv, which were about 500 times smaller than those of CO<sub>2</sub> (Fig. 1) and from 3 to 4 times lower than the current values. If really significant in the past, a methane feedback would then cause today's temperatures to be considerably higher than observed. Therefore, the ice-core data conversely also rule out any noticeable influence of methane.

In other words, interpreting the CO2 and temperature records of ice cores in the light of climate models has represented an incorrect method-ological leap. Ironically, any claim that models accurately reproduce the reported climate evolution since the late 20th century would rather illustrate their spurious nature, and not prove their validity, if the temperature rises of this period are

As a rule, correlation does not necessarily imply causality. In marked contrast, a lack of correlation resolutely rules ou any causality. Reconciling the driving role of CO<sub>2</sub> assigned by climate models with the opposite conclusions drawn from the ice-core record thus seems fraught with considerable difficulties. Hence, the ice-core results shift the burden of proof of any CO<sub>2</sub> influence on temperature to the proponents of the feedback mechanism and make, in addition, any climate sensitivity determinations problematic.

A cardinal rule in science is to reject a hypothesis that clearly contradicts the experimental findings it is supposed ount for, especially if it also contradicts the most fundamental tenet of science, the principle of non-contradiction, which is "the most certain of all" in Aristotle's words. If the present analysis cannot be refuted, one should then reject the Arrhenian paradigm and conclude (i) that changes in the concentration of atmospheric CO<sub>2</sub> up to 300 ppm had minor effects at most on temperatures during the past 423 kyr, (ii) that, as described in Sect. 4.1, the concentration of atmo spheric CO<sub>2</sub> simply adjusted during this period to the prevailing temperature conditions at the Earth's surface, whose varins were mainly determined by insolation changes during Milankovitch cycles, and (iii) that significant contributions of CO<sub>2</sub> and CH<sub>4</sub> to temperature changes at the Earth's surface remain unsubstantiated by direct, independent evidence.

As a matter of fact, current models suffer from the circular nature of the reasoning behind their assumed feedback mechanism whereby, in the last analysis, the predicted influence of CO2 simply conforms to the posited effects in a situation where the anthropogenic increases in CO2 concentrations happen to accompany those of temperature kind of reductio ad absurdum, a similar situation would be acountered if the quantitative correlation observed between the recent increases in atmospheric CO2 contents and the geographic displacement of the magnetic north pole (Fig. 3) were interpreted as a causality relationship – which could of course not be considered seriously in view of a complete physical implausibility!

Zdroj obrázku: Richet, 2021

Zdroj: https://www.reformy.cz/