

Review Form 1.6

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_93229
Title of the Manuscript:	Who is Responsible for Climate Change: Celestial Phenomena or Human Activity? Carlos Augusto Ramos e Silvaa,b,c
Type of the Article	Opinion Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	Please change the word of "THE USE" into THE UTILIZATION on : 1. ASSUMPTIONS FOR THE USE OF ICE AS A HISTORICAL WITNESS OF CO₂ IN THE ATMOSPHERE	
Minor REVISION comments	<ol style="list-style-type: none"> 1. Give a citation on this sentences : 3- Air trapping in ice is a mechanical process, where there is no distinction between the gas components. 4- The age of the gases in the air bubbles is much younger than the age of the ice where they were trapped (the age difference is in the range of several tens to thousands of years). These inclusions are used to reconstruct CO₂ concentrations from the pre-industrial and ancient atmosphere. 2. On the second part (The Seed of Arrhenius), give some reasons on this sentence : The assumptions made in the ice cores are responsible for the lowest concentrations of CO₂ obtained in the atmosphere in the past. Why ? 3. Add some sentences or description on every Figure. 4. The process of drilling the ice core is brutal and polluting. This process disturbs the ice samples. Boutron et al. [32] showed great pollution in the Vostok ice core (Antarctica), where [Pb] reached 15720 pg/g at a depth of 1,500 m. What is Pb stands for? 5. Give some explanations about The Knudsen diffusion effect on the third part 6. What is CERN stands for on the fifth part ? 7. On the conclusion part, add more explanation about the relationship between ice core and CO₂. 	
Optional/General comments	-	

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PART 2:

	<u>Reviewer's comment</u>	<u>Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</u>
<u>Are there ethical issues in this manuscript?</u>	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	

Reviewer Details:

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