

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_98119
Title of the Manuscript:	Climate change data: use of an autoregressive (AR) model in presence of change points under a Bayesian approach
Type of the Article	Original Research 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 1. Is the manuscript important to the scientific community? 2. Is the title of the article appropriate? 3. Is the abstract of the article complete? 4. Are the subsections and structure of the manuscript adequate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent?	1. It allows us to model climate changes regardless of the type of climate and it is easy to reproduce the process. 2. Climate change data: use of an autoregressive (AR) model in the presence of change points under a Bayesian get closer, does not specify what is done as the objective of the work "Introduction of a statistical model applied to climate change data that consists of an autoregressive time series (AR) model, with a type of random process" 3. It does not meet the minimum number of words in a normal summary, in addition to its structure, despite the fact that it has important parts, part of the introduction is missing and the use of connectors between each part without the need to present it that way unless it is part of the structure required by the journal for its publication. check wording. 4. You start with the abstract and its keywords but I think you should place the words of the meaning of the acronyms AR models, MCMC methods; then there is the Introduction, followed by the methodology, presenting the results and the conclusion at the end as well as the bibliographical references. 5. the applied models are non-empirical standardized models that have scientific relevance 6. There are around 45 bibliographical references but only one from 2020, the vast majorities are valid for a period of more than 5 years. The basis of the study is an aspect that is considered relevant today and could be improved. (Other than the 6 points mentioned above, reviewers can provide additional suggestions/comments) The subject is important due to the climatic problems that we are experiencing throughout the world with thaws, temperature rises, rainfall, among other natural phenomena.	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	The terms used are technical. I consider that they are academically adequate	
Optional/General comments		

PART 2:

	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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

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Reviewer Details:

Name:	Ninoska Margarita Paz Palacios
Department, University & Country	Universidad Bolivariana De Venezuela, Venezuela