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| Journal Name: | [**International Journal of Environment and Climate Change**](https://journalijecc.com/index.php/IJECC)  |
| Manuscript Number: | **Ms\_IJECC\_137272** |
| Title of the Manuscript:  | **From Policy to Practice: The Role of Integrated Systems in Mitigating Climate Change in India** |
| Type of the Article | **Review Article** |

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This detailed review tackles a significant gap in how climate governance is implemented in India. It offers a comprehensive look that connects high-level policy goals with real-world practices. The review gathers insights from various sectors like energy, agriculture, and urban development and assesses innovations in institutions, technology, and financing. By pinpointing structural challenges and suggesting practical recommendations, this manuscript serves as a useful guide for policymakers, researchers, and practitioners focused on climate mitigation in federal systems. Its broad perspective and thorough analysis of cross-sector collaborations make it an important addition to discussions in both India and other emerging economies. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The title is straightforward and truly represents the content. |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | The abstract does a great job of summarizing the scope, methodology which includes a review of recent initiatives, key findings, and contributions (offering a framework for bridging the policy-practice gap). |  |
| Is the manuscript scientifically, correct? Please write here. | The manuscript is solid from a scientific standpoint, referencing more than 150 sources from peer-reviewed journals, government documents, and institutional evaluations.The arguments are backed up by data, including installation numbers and financial trends, as well as relevant case studies.The systems-theoretic approach is fitting and applied consistently throughout the work. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The references are thorough and current, with many sourced from 2022 to 2023, highlighting essential reports like the IPCC AR6, NDCs, and significant Indian initiatives.Suggestion: It might be beneficial to include some recent studies on developments in green hydrogen policy post-2023, such as the updated guidelines from the Ministry of Petroleum, along with insights on digital agriculture platforms to ensure comprehensive coverage through 2024. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Overall, the English is clear and professional. Check for consistent tense usage, as there are some inconsistencies between past and present tense when discussing initiatives. |  |
| Optional/General comments |  |  |

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| **PART 2:**  |
|  | Reviewer’s comment | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?**  |  |  |

**Reviewer details:**

**Pratik Jotiram Patil, Shivaji University, India**