

Review of: "A Case Study of the Management Information System in the Coffee Industry in SW Ethiopia"

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Potential competing interests: No potential competing interests to declare.

A Case Study of the Management Information System in the Coffee Industry in SW Ethiopia

The topics of this paper are interesting. The structure and content must be revised, and results have to be better explained by authors.

Title has to avoid acronym such as SW to be clear.

Abstract has to clarify the goal, methods, results and economic policy and sustainability implications of this technology.

Keywords, insert words and not acronyms.

Introduction has to better clarify the research questions of this study and provide more theoretical background about these topics in a context of theories of development and sources of innovation to improve efficiency of coffee industry in this case. After that they can focus on the topics of this study to provide a correct analysis for fruitful discussion (See suggested readings that must be all read and used in the text).

Literature review has to be improved also in a context of sustainable agroecology that can be useful for this country.

I suggest inserting a section called: Results and discussion.

First, authors have to synthesize the main results in a simple table to be clear for readers and then show what this study adds compared to other studies. I suggest also to present recommendations as bullet points and inserting a figure as SWOT matrix for designing policy implications.

Conclusion has not to be a summary, but authors have to focus on manifold limitations of this study and provide suggestions of environmental, institutional and agricultural policies in a context of agroecology to provide reliable implications and incentives for policymakers and managers for using Information System to support coffee industry in a context of sustainable development for this nation and other similar countries.

Overall, then, the paper is interesting. Theoretical framework, study design, discussion and presentation of results have to be clarified.

Suggested readings of relevant papers that have to be read and all inserted in the text and references.

- Fajrillah, A.A.N., Lubis, M., Pasa, A.R. 2022. Towards the Smart Industry for the Sustainability through Open Innovation based on ITSM (Information Technology Service Management), *International Journal of Advanced Computer Science and Applications*, 13(6), pp. 140–152
- Pronti, A., Coccia, M. 2021. Agroecological and conventional agricultural systems: comparative analysis of coffee farms in Brazil for sustainable development, *Int. J. Sustainable Development*, Vol. 23, Nos. 3/4, pp. 223-248, <https://doi.org/10.1504/IJSD.2020.115223>
- Coccia M. 2017. Sources of technological innovation: Radical and incremental innovation problem-driven to support competitive advantage of firms. *Technology Analysis & Strategic Management*, vol. 29, n. 9, pp. 1048-1061, <https://doi.org/10.1080/09537325.2016.1268682>
- Pronti, A., Coccia, M. 2020. Multicriteria analysis of the sustainability performance between agroecological and conventional coffee farms in the East Region of Minas Gerais (Brazil). *Renewable Agriculture and Food Systems*, vol. 36, n. 3, pp. 299-306. <https://doi.org/10.1017/S1742170520000332>
- Hakim, M., Djatna, T., Yuliasih, I. 2020. Deep learning for roasting coffee bean quality assessment using computer vision in mobile environment *International Conference on Advanced Computer Science and Information Systems, ICACSIS 2020*, pp. 363–370, 9263224
- Coccia M. 2019. Comparative Institutional Changes. A. Farazmand (ed.), *Global Encyclopedia of Public Administration, Public Policy, and Governance*, Springer Nature, https://doi.org/10.1007/978-3-319-31816-5_1277-1
- Coccia M. 2023. New directions of technologies pointing the way to a sustainable global society. *Sustainable Futures*, vol. 5, December, n. 100114, <https://doi.org/10.1016/j.sftr.2023.100114>
- Bote, A.D., Jan, V. 2017. Tree management and environmental conditions affect coffee (*Coffea arabica* L.) bean quality. *NJAS - Wageningen Journal of Life Sciences*, 83, pp. 39–46
- Coccia M. 2019. Theories of Development. A. Farazmand (ed.), *Global Encyclopedia of Public Administration, Public Policy, and Governance*, Springer Nature, https://doi.org/10.1007/978-3-319-31816-5_939-1
- Lorençone, J.A., de Oliveira Aparecido, L.E., Lorençone, P.A., ...da Silva Cabral de Moraes, J.R., de Souza Rolim, G. 2023. Agricultural zoning of *Coffea arabica* in Brazil for current and future climate scenarios: implications for the coffee industry. *Environment, Development and Sustainability*
- Coccia M. 2019. Intrinsic and extrinsic incentives to support motivation and performance of public organizations, *Journal of Economics Bibliography*, vol. 6, no. 1, pp. 20-29, <http://dx.doi.org/10.1453/jeb.v6i1.1795>
- Tolentino, T.R., Hernandez, A.A. 2019. User Acceptance on Coffee Farm-to-Market Information System in the Philippines: A Conceptual Framework. *Proceedings - 2019 IEEE 15th International Colloquium on Signal Processing and its Applications, CSPA 2019*, pp. 249–253, 8695998

