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This paper has presented a contribution that provides energy solutions based on sustainable microgrids to improve access to electricity in rural areas or isolated communities in Ecuador. An EMS focused on power exchange between interconnected isolated microgrids has been proposed.

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This study describes the main policies and laws in force for implementing microgrids in Ecuador. Finally, a discussion related to the feasibility of the inclusion of energy solutions based on microgrids for isolated rural areas of Ecuador is provided.

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