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An analysis of the Portuguese energy storage strategy based on the Choquet multiple criteria preference aggregation model

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With the increase of renewable energy generation, and their problems related to output instability, storage systems must be implemented in parallel to account for this effect. For this reason, a model to rank the various available options is developed for the several sectors of the energy storage market, as well as a methodologically similar model for the purpose of strategic energy public policy, with the government as the main decision-maker. Beyond a critical review of the results, a robustness analysis will be performed, in order to ensure that the obtained results are credible and valid, serving as the foundation for future decisions.

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