

MODEL OF EVALUATION OF THE SUSTAINABILITY PERFORMANCE IN BUILDING PROJECTS INTEGRATING LEAN, THROUGH THE DELPHI METHOD

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Integration of Lean Construction and sustainability





Production management through Lean Construction seeks to improve productivity indicators

Environmental Management Plan





KPI's

Sustainability management systems seek to improve environmental indicators

Key performance indicators (KPIs)



"If you can't measure it, you can't improve it"

Delphi Study

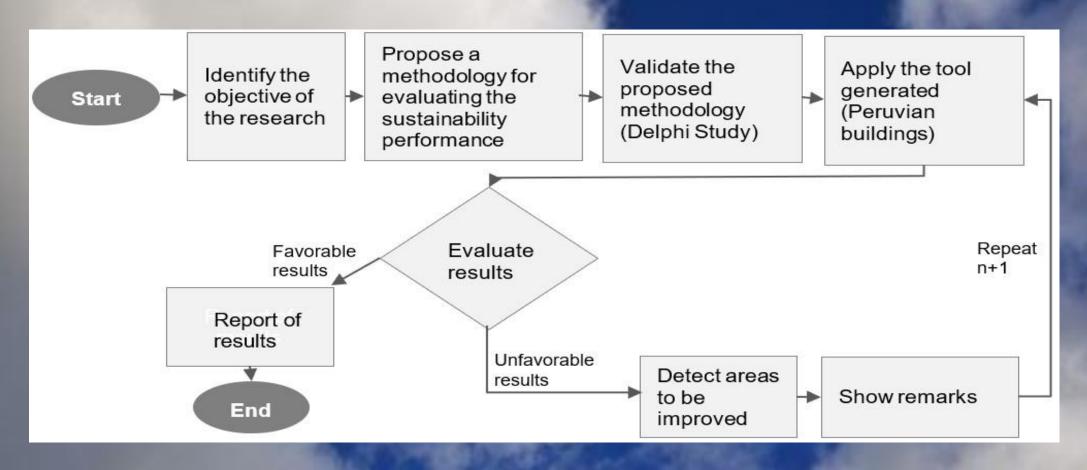




The Delphi method seeks to obtain reliable group opinion from a panel of experts who are asked their views individually on various topics in an interactive way.

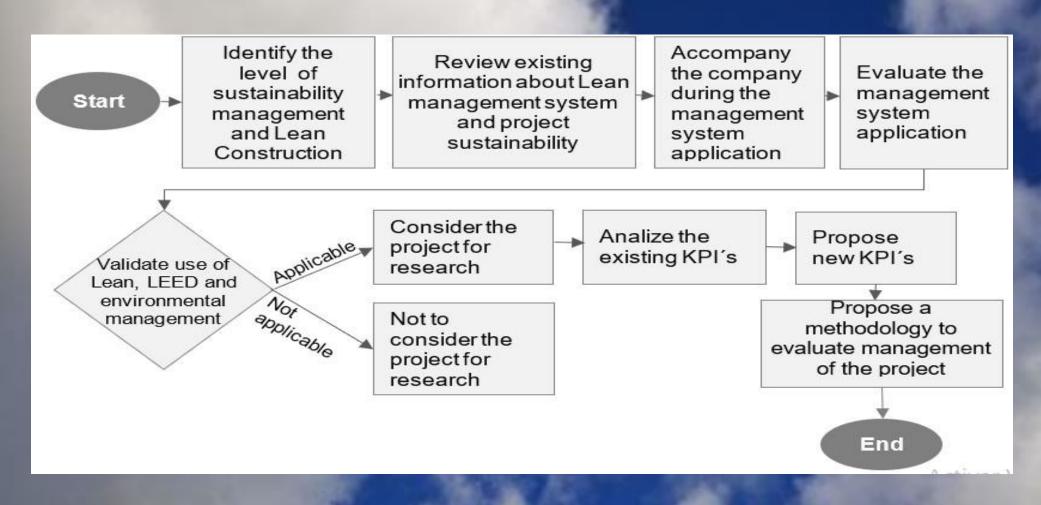
Proposal of performance evaluation model





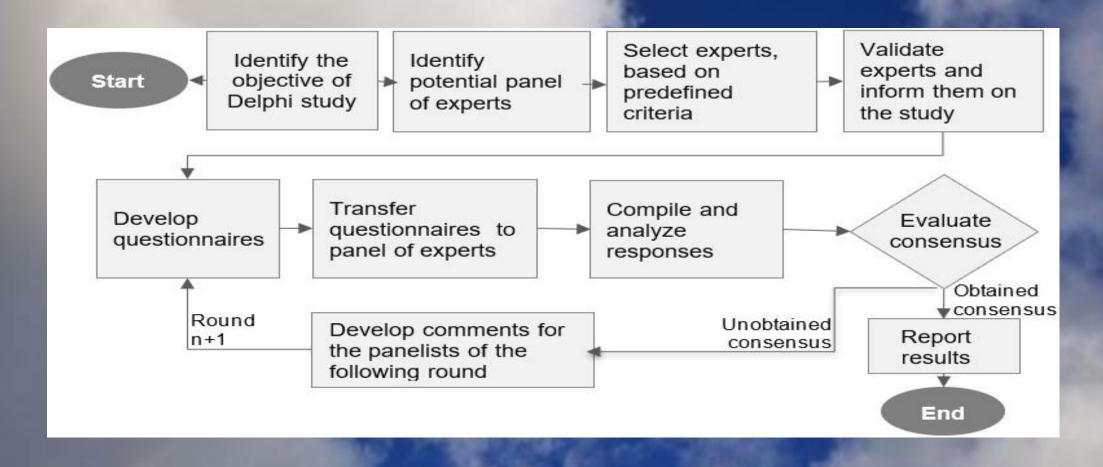
Model of evaluation of the sustainability performance





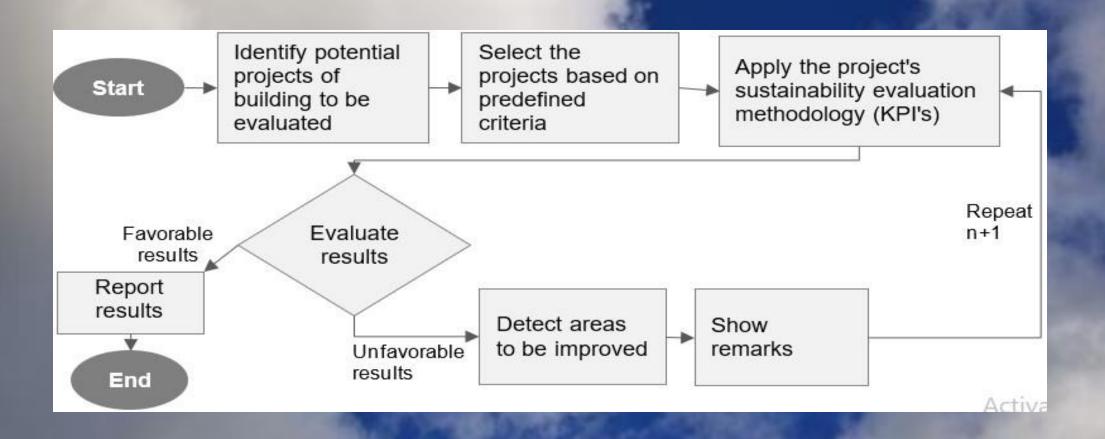
Validate the proposed methodology (Delphi Study)





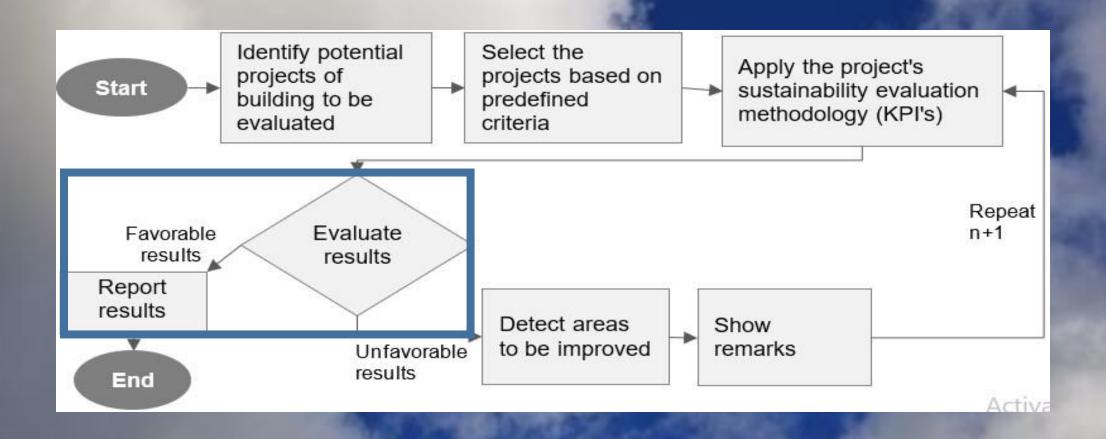
Apply the tool generated





Evaluate and report results





Conclusions



- Regarding the proposed performance evaluation model, recent studies were found where the participation of stakeholders to validate the indicators proposed for the evaluation is fundamental, especially with the use of the Delphi method.
- In any case, the proposed model can be adapted to other collaborative decision-making methods of group and open participation.
- The main contribution of this document is that it meets the objective of providing a model for evaluating environmental sustainability performance through key performance indicators (KPI's) and the use of the Delphi method.



Thank you for your attention Any questions?