

Essays on Essays about public policies evaluation: Design of a socio-technical process and projects selection and evaluation

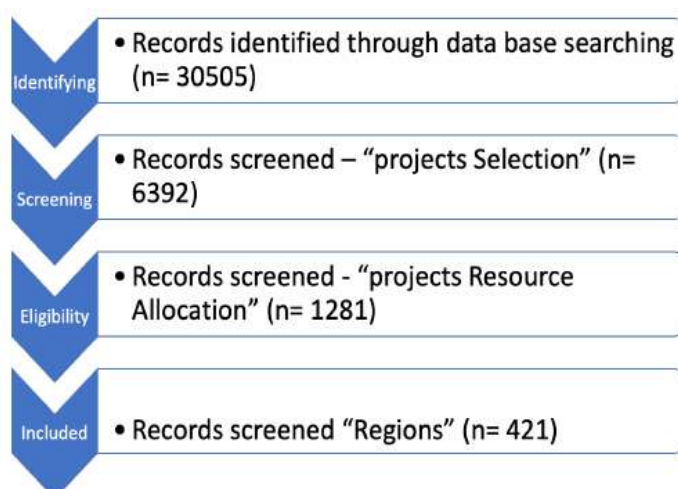
Summary

The topic of regional economic resilience has been the subject of intense debate in the academic and political fields over the past decade and gained a new sense of urgency because of the pandemic caused by the SARS-CoV-2 virus as territories faced relevant impacts on their economies and social structures. The economic downturn, the increase in unemployment, and the deterioration of social conditions lead policy makers to search for solutions to make their territories more resilient to this type of event. The current thesis aimed to contribute to the design and development of a socio-technical process that would support applying a multicriteria decision analysis (MCDA) to assess how it can be used in decision-making environments characterized by some political tension. In this circumstance, it was presented as a case study, applying the methodology described to help the Intermunicipal Community of the Algarve, formed by 16 municipalities, develop a strategy to make its territory more cohesive, competitive, sustainable, and resilient. In addition to discussing an innovative application of a MCDA technique, this article illustrates how, through a MCDA approach, it was possible to reach a consensus among several policymakers, despite each of them having their own political agendas. However, the question of the research arose as to how the final solution met the initial expectations of the decisionmakers. The challenge of methodology creation that would allow those expectations required an extensive bibliographic review that supports that evaluation. In this context, the Data Envelopment Analysis methodology is introduced, which interacts with the results obtained by the MCDA technique for defining target projects, representing the maximum benefit per sector. That score will confront the overall benefit of the projects chosen. This exercise, at the time of the discussion of the results, allows us to evaluate how the results corresponded to the initial expectations of the decision-makers.

The decision-makers could improve the projects characteristics to increase its benefit/cost ratio by analyzing the performance conference and its results.

Keywords

Economic regional resilience, project selection, multicriteria decision analysis, MACBETH, data envelopment analysis.



PRISMA statement - An example of one of the searches performed.



PhD student

Luís Filipe Soromenho Gomes

PhD program

Engineering and Management (IST, University of Lisbon)

Supervisor

Diogo Ferreira (CERIS, IST, University of Lisbon)

Co-supervisor

-

Period

2020-2023

Funding

-