MIP- Master's Thesis

Approach for large public transport projects in Mexico based on the adaptation of the German Cost-Benefit standardized evaluation for public transport investment and follow-up costs

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The objective of this study is to develop a standardized Mexican evaluation for large public transport projects. To do so, the German scheme, better known as Standi, was used as the basis framework in order to develop this new methodology. Overall, this study lead to three main findings:

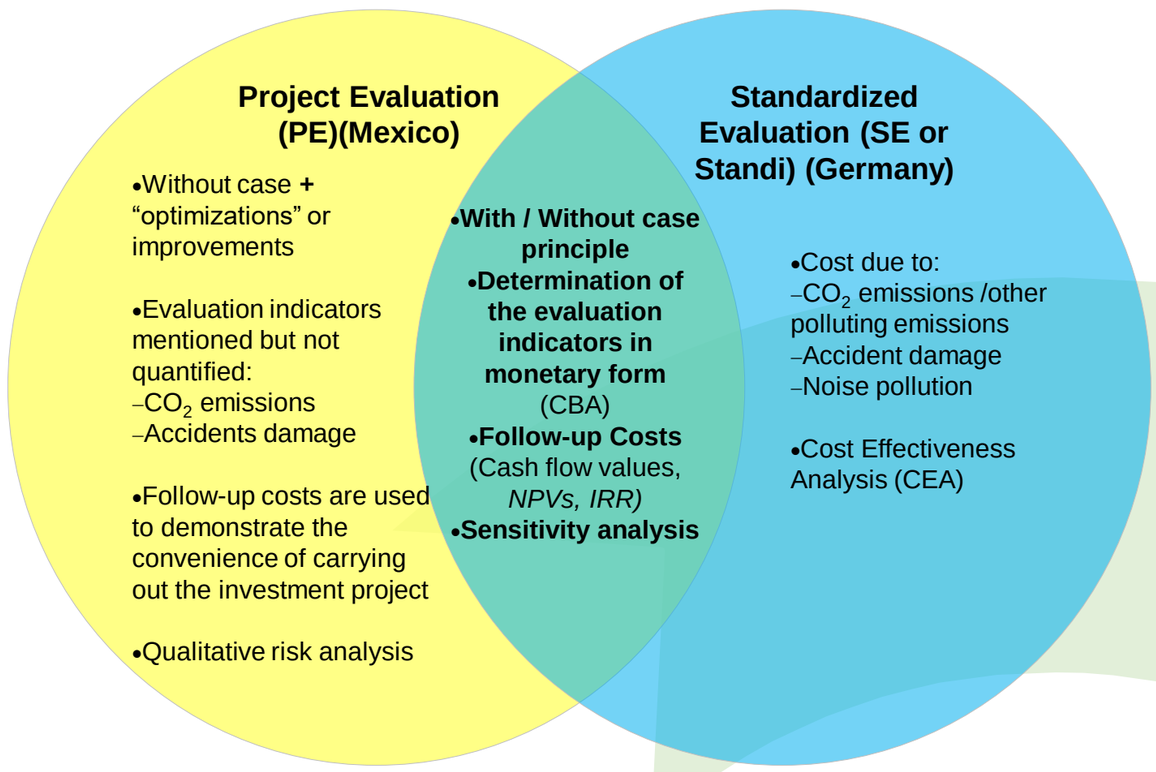

Fig.1 Comparison of the two evaluation methods

① Through the comparison were found great similarities and some differences between both structures related to how they address transport project evaluations (fig. 1). Due to this similarities, makes it easier to identify those parts of the Mexican methodology that are required to enhance, based on the German evaluation framework.

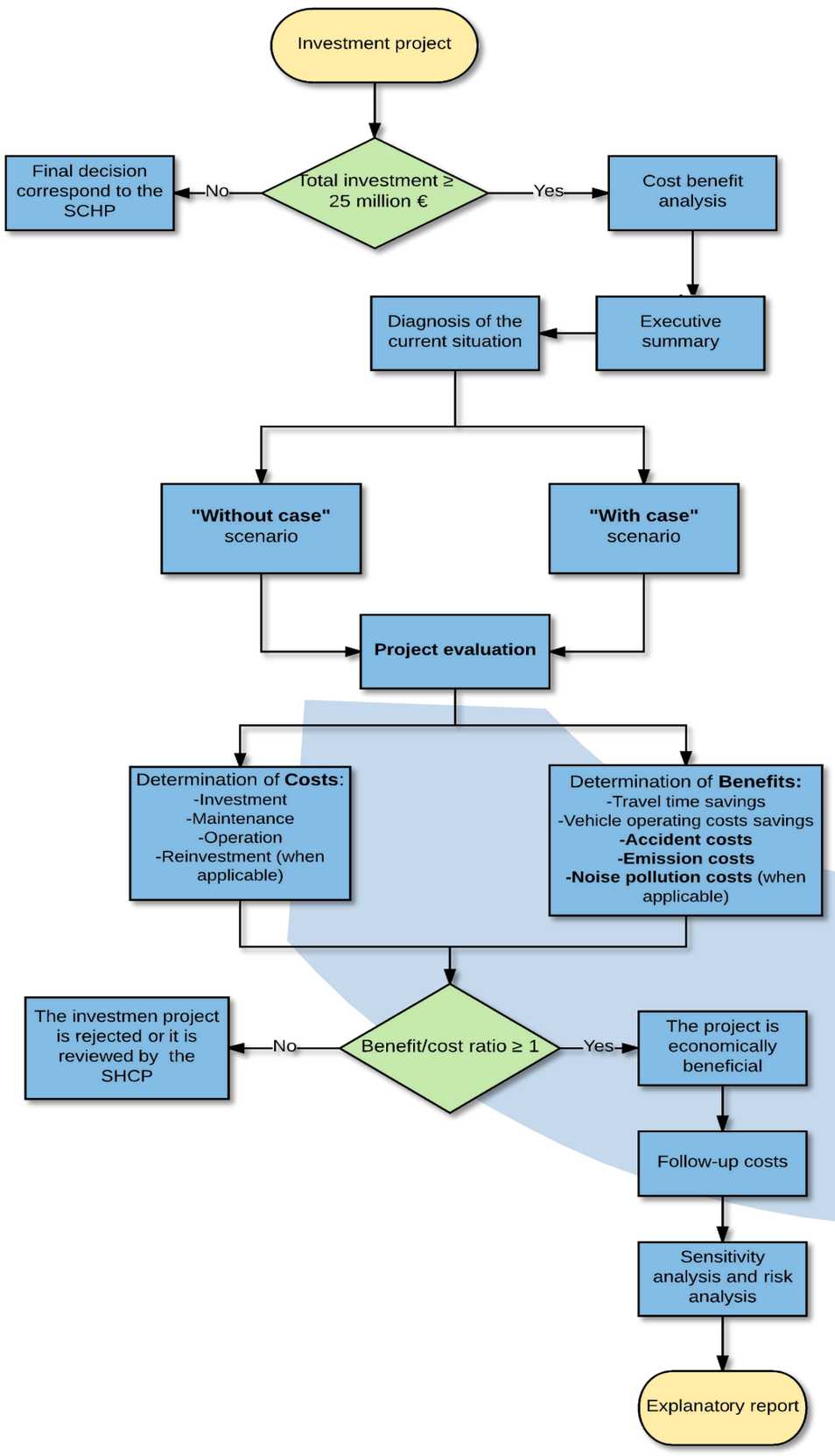

Fig.2 Flowchart for the new standardized Mexican framework for large public transportation projects

② During the comparison between both evaluation frameworks, were identified for their adaption to the new Mexican methodology the next elements:

- "Without case" principle enhancement,
- Adaptation of evaluation indicators,
- Implementation of the Benefit Cost Ratio,
- Follow-up costs considerations, and
- Qualitative risk analysis remarks.

③ A new standardized Mexican framework that takes into account all previous elements and remarks is established (fig. 2). This new methodology serve as a first step for the development of a complete standardized evaluation method.

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