

An index is a quantitative or qualitative indicator that is a useful tool for comparison in different fields and sectors. Ideally, the index combines different dimensions because it is not possible to express with a single indicator.



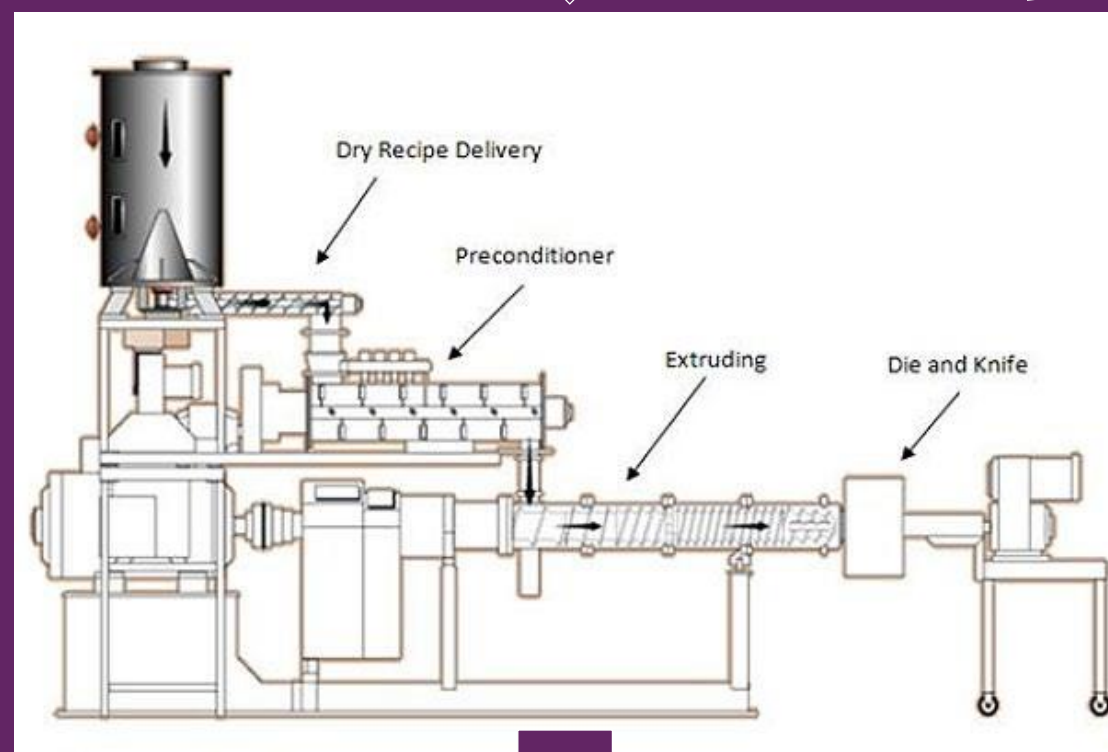
Black Soldier Fly,
EcoProt AS



Meal worm,
Nord university



Algae oil,
Veramaris

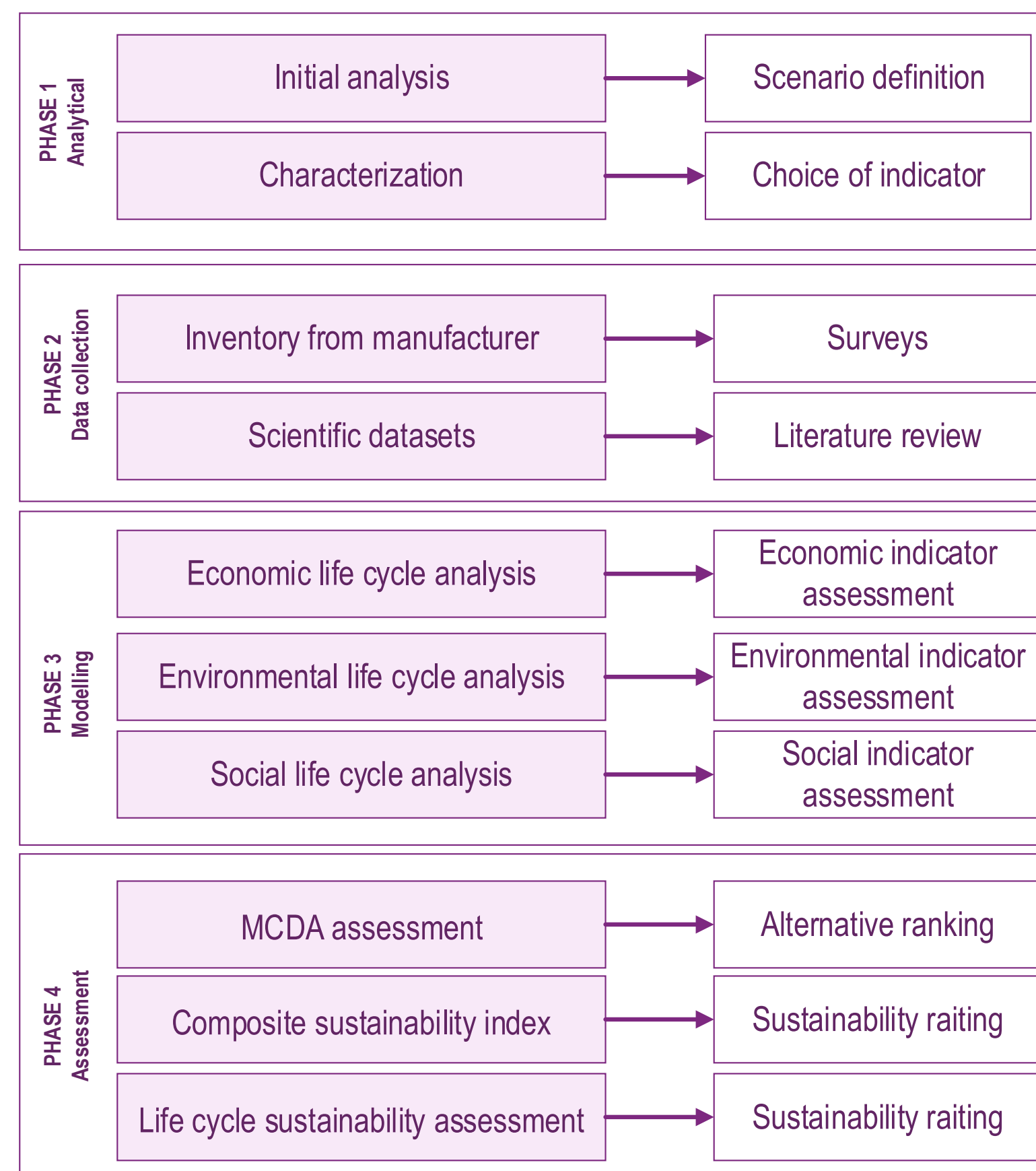


Introduction

Sustainability is important in every sector, to avoid resource depletion, to achieve an ecological balance and to use resources efficiently. The concept of sustainability will be used as an interpretation in terms of three dimensions - environmental, economic and social - or as an interpretation of "strong" and "weak" sustainability. Sustainability can also be defined as profits, planet and people.

Ensuring sustainability is a challenge to maintain environmental balance, where economic growth and environmental quality improvements are needed.

Results



Methodology

It is possible to use different types of tools that can be used to compare products or services in the industry and evaluate improvement. Each method has its advantages and disadvantages, but combining several methods can help to overcome a weakness.

Life Cycle Assessment (LCA) is decision-making and decision-support tool that is effective and adaptable. LCA has three dimensions: environmental sustainability, economic sustainability, and social sustainability.

Multi-Criteria Decision Analysis (MCDA) is an effective method of comparison and decision-making where alternatives are compared with their positive and negative impacts on the problem at hand, resulting in a better solution to the problem.

Conclusions

Index are often quantitative indicators that reflect the situation and can show trends over years and also make predictions for the future. Combining different methods to create a composite sustainability index allows for a more versatile inversion.

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