



# 10. Stakeholder-based Impact Scoring

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Stakeholder-based Impact Scoring (SIS) is a participatory assessment method aimed at predicting the impact of a policy or project prior to its implementation by quantifying and visualising the negative and positive impacts on stakeholders. It leads to 'impact scores' based on objective assessments of effects from data or expert views, and the subjective weighting of these effects by the affected stakeholders. SIS is especially helpful when a decision is not about choosing the 'best' option, but about modifying and mitigating a project throughout the course of its implementation.



## SIS AT-A-GLANCE

- Supports decision making, impact assessment and inter-stakeholder learning.
- Requires time to contact stakeholders and basic mathematical / spreadsheet skills as well as thematic experts to determine performance scores.



## Benefits

1. Supports decision making and inter-stakeholder learning by providing insights into the impacts of projects and policies and the distribution of benefits and burdens.
2. Provides an alternative to cost-benefit analysis by disaggregating impacts to specific stakeholder groups and does not require a translation of effects into financial terms.
3. Does not require an exhaustive set of mutually exclusive decision alternatives, but only one option and a do-nothing scenario (as opposed to Multi-Criteria Analysis).



## Challenges and limitations

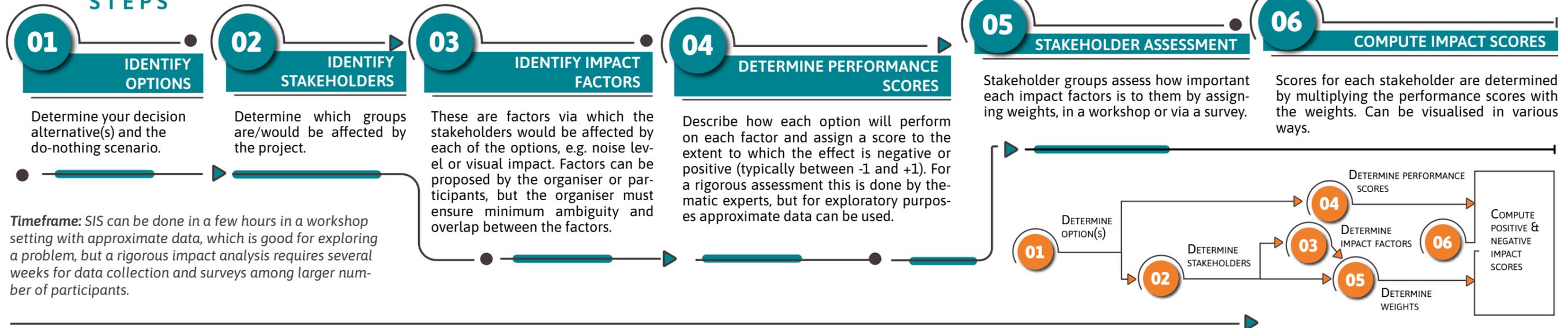
1. **Data availability:** Like any model, accuracy of outputs depends on quality of inputs, but data for performance scores can be hard to find and will always be an estimate.
2. **Participation:** engaging a representative sample of participants can be hard and participants may not easily be able to identify or weight all impact factors.
3. **Interpreting output:** SIS is a tool to explore impacts, it does not 'tell' you what the impact of different options definitely will be.



## Participants

SIS can be used by anyone confronted with multi-stakeholder problems, in particular (local) governments, academics or consultants. As participants, any stakeholder relevant to the project can be included, such as citizen or business interest groups or political actors. SIS has most added value in problems with more than three stakeholders. For a rigorous assessment, experts are needed to provide factual input.

## STEPS



**Timeframe:** SIS can be done in a few hours in a workshop setting with approximate data, which is good for exploring a problem, but a rigorous impact analysis requires several weeks for data collection and surveys among larger number of participants.



## OUTCOMES AND IMPACT

SIS results in an overview of positive and negative impacts on the relevant stakeholders, exposing the trade-off between the largest upsides and downsides that the decision requires. As the method is intended to foster better-informed decision making, the scope of the impact is potentially as large as the scope of the project in which it is applied.



## RESOURCES NEEDED

Use of spreadsheet software such as MS-Excel is recommended and dedicated templates exist. Skills required are basic digital literacy and familiarity with charts and numbers. If the aim is a rigorous assessment, factual information or data and experts with knowledge of the field are needed to assign the performance scores.

## LEARN MORE

Te Boveldt, G., Keseru, I., and Macharis, C., 2022. *When monetarisation and ranking are not appropriate. A novel stakeholder-based appraisal method. Transportation Research Part A: Policy and Practice*, 156, pp.192-205.

## REAL LIFE EXAMPLE: MOBRU

An elevated motorway in Brussels is heavily used by commuters, but needs costly renovation. It also generates lots of nuisance for neighbouring residents. Would it be wise to tear it down? How would residents, commuters and transport operators be affected? The MOBRU project explored this problem.

## ONLINE/OFFLINE



SIS can be run online (Excel template is available; online version is under development) but in-person workshops are helpful for guiding participants.