**A Method for Creating Product Social Impact Models of Engineered Products**

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| **Study ID** | **indicators** | **methods** | **scale** | **practices** |
| ID03 | The study associates social impact indicators to impact categories (Rainock et al., 2018):   1. Health and Safety Impact 2. Paid Work Impact 3. Stratification Impact 4. Civil Rights Impact 5. Education Impact 6. Family Impact 7. Gender Impact 8. Population Change 9. Conflict and Crime Impact 10. Social Networks and Communication Impact 11. Cultural Identity/Heritage Impact | A multi-step approach is proposed:  Step 1: Gather Product Development Information  Step 2: Identify Impact Categories  Step 3: Selecting Indicators (this step could benefits from the use of ideation methods)  Step 4: Creating predictive models of social impact  Step 5: Make predictions for the social impact | Indicators will be selected from databases that also provide details of how they are measured or how they are calculated. | Good practice: The multi-step methodological approach and the focus on modeling social impact  Another good practice could be considered the use of already validated indicators (e.g., those available in publicly available data banks). |

A multi-step approach is proposed. A distinctive feature of this paper is the process of creating models to predict the social impact. The authors advocate the *selection* of meaningful indicators rather than their development. Additionally, a set of questions is designed to help identify impact categories. Precisely, the questions are interrogations that describe behaviours and actions which indicate that the service or product concerned has achieved a certain type of impact. Finally, the process of modeling social impacts blends a bottom-up approach (i.e., the involvement of the product development team) with a top-down one consisting of the use of well-established socioeconomic indicators.