

GreenDelta^{TC}

A Practical Oriented Handbook for S-LCA

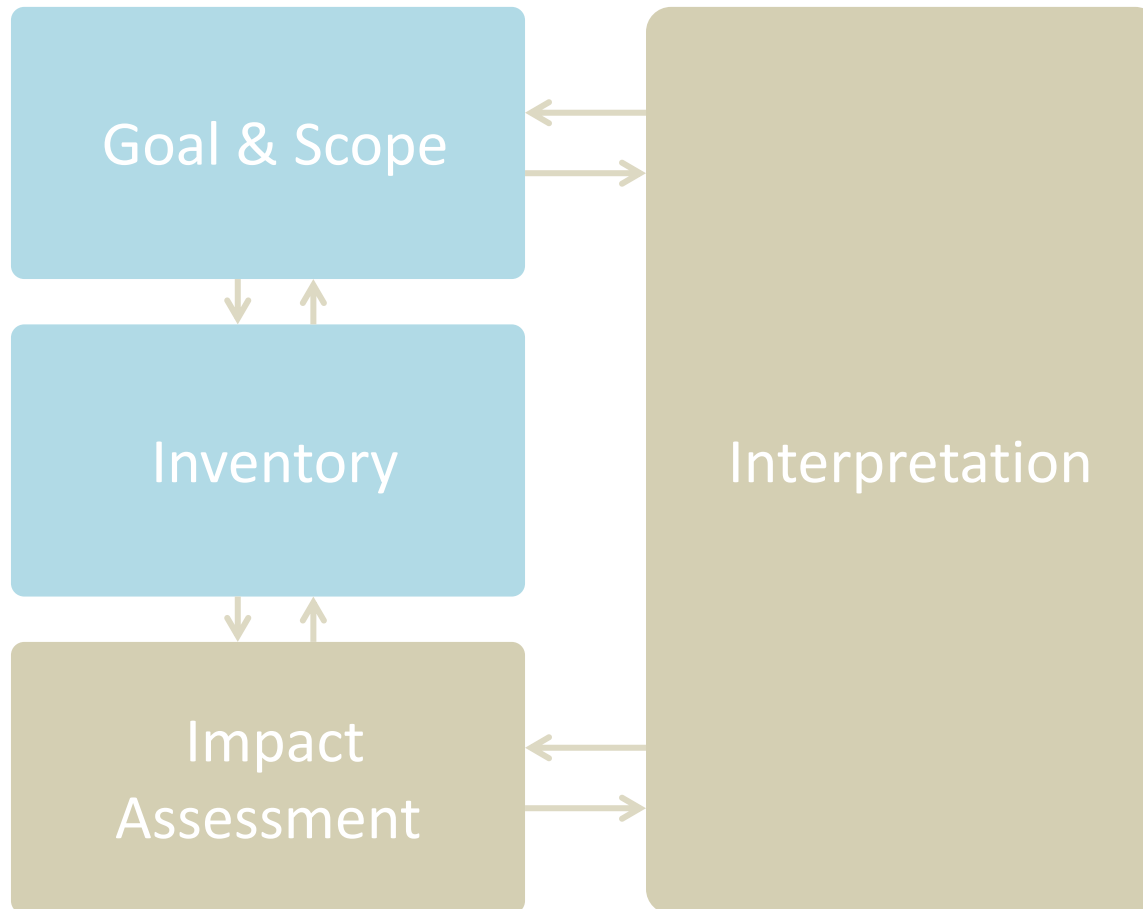
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Why do we need a handbook for S-LCA?

- UNEP/SETAC guidelines are partly very general and they do not cover all methodological aspects; sometimes little information depth
- Methodological aspects of environmental LCAs cannot be transferred one to one to social LCAs
 - ⇒ different data types, different data collection methods, impacts depend strongly on local circumstances, etc.
- Each practitioner develops own approaches to overcome methodological gaps, comparability is not given
 - ⇒ the handbook can contribute to a standardisation process

Coverage of the handbook



Content of the handbook

Part I

- Determination of goal
- Determination of scope

Part II

- Data types and properties
- Data quality
- Data sources
- Handling data gaps
- Data collection
 - Collection of primary data
 - Collection of secondary data
- Use of software

Content of the handbook

- Collection of primary data
 - Instruments for primary data collection
 - Design of primary data collection instruments

Instruments for primary data collection



Questionnaires

- Q1 - Mail questionnaires
- Q2 - E-mail questionnaires
- Q3 - Telephone questionnaires (IVR, T-ACASI, TDE)
- Q4 - Internet questionnaires
- Q5 - Interviewer initiated self-administered questionnaires



Observation

- O1 - Nat. - Complete observer
- O2 - Nat. - Observer as participant
- O3 - Nat. - Participant as observer
- O4 - Nat. - Complete participant
- O5 - Controlled



Interviews

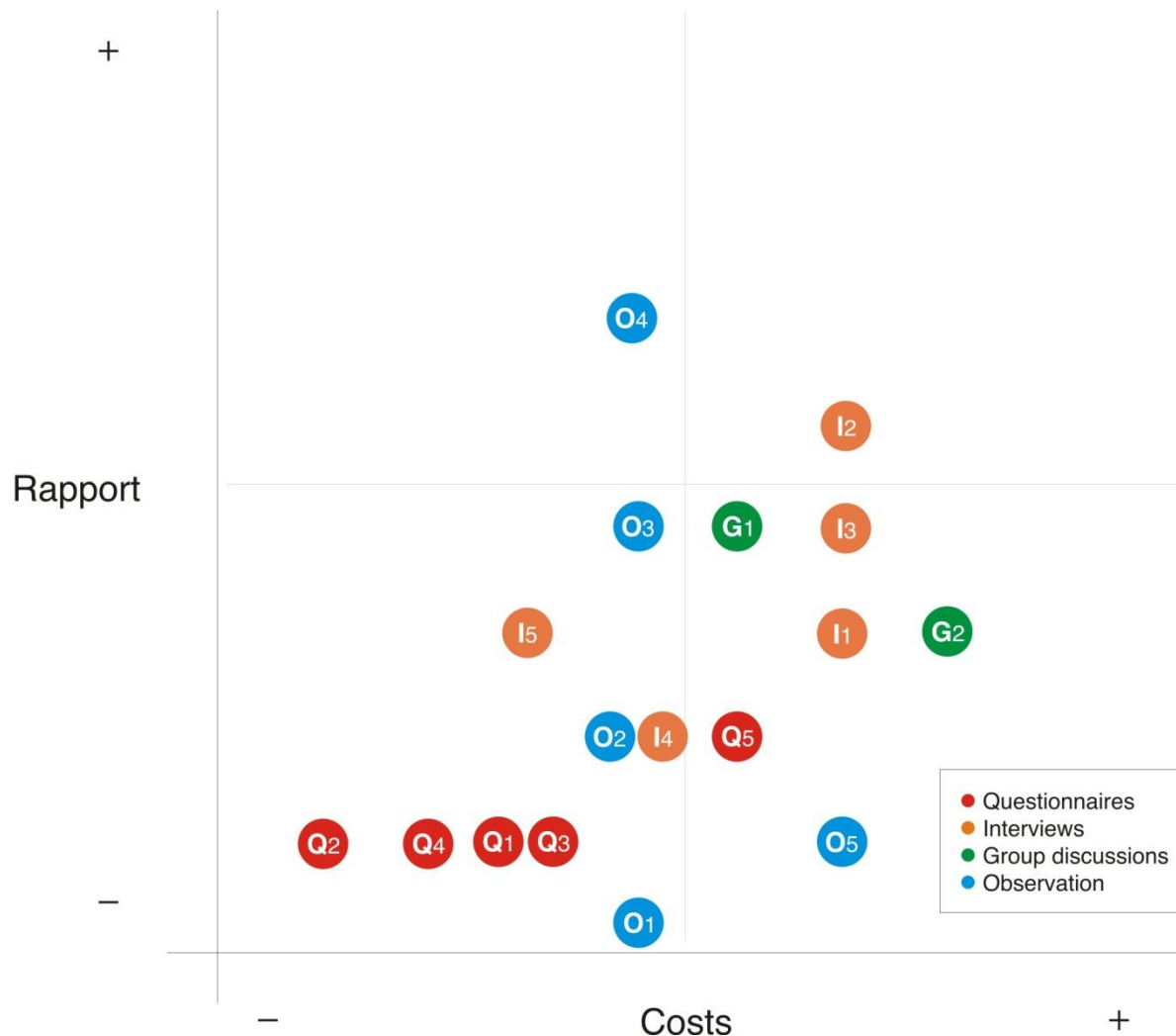
- I1 - FTF formal interview
- I2 - FTF informal interview
- I3 - FTF mixed interview
- I4 - Telephone interview (fixed line, mobile, VoIP)
- I5 - Internet interview (skype, etc.)



Group discussions

- G1 - FTF group discussions
- G2 - On-line group discussions

Instruments for primary data collection



Design of primary data collection

- Formulating of questions: language, sentence structure, question type (closed-ended, open-ended, mixed,...), etc.
- Order of the questions: easy – difficult, generic – specific, impersonal – personal
- Demeanour and behaviour of the data collector
- Pre-test

Sources of error in primary data collection

- Design of the data collection instrument influences the sampled person too much (type of questions, order of questions, formulation of questions, length of the questionnaire, etc.)
- Data collector influences the sampled person with his/her demeanour, behaviour, etc. too much
- Too small sample
- Sampled persons are not representative

References of the handbook

- UNEP/SETAC guidelines as basis
- LCA literature as for instance ILCD handbook, GHG protocol, etc.
- Literature from social science



Thank you for your attention!

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