Protocol for workshops Table S3: Protocol for guiding the process of precise question articulation, given a sustainability-oriented problem definition (opportunity).

Part	Goals	Example activity
Evaluation of	Get insight in the context of the	Introduce yourself and use an object you identify
context and	assessment.	with sustainability.
role of	Participants get insight in how	Find one or two persons you do not know very
sustainability	each of the stakeholders views	well and interview each other on what makes
within the	the situation.	proud or angry concerning the situation.
context	Participants get insight in the	Brainstorm individual on what you would like to
	context of the sustainability	see solved within your organization.
	assessment (it is not something	Write all individual results on separate papers
	on its own).	and cluster them together.
	Participants get insight in their	Discuss which of the clusters are sustainability
	own- and the other's views on sustainability.	questions and why.
Question	Specify the question and define	Go into groups of 6-8 participants, with one
articulation	sustainability such that a (set of)	process manager and someone that makes
	methods can be defined that	notes. Drop the central question and try to
	matches the question.	answer the underlying types of questions in
		Table S4 together. Try give one concrete answer.
		When there is an argument on what should be
		the answer score both answers as appropriate.
		When all groups are finished present each other
		the results and discuss differences. Try to
		harmonize the results. When this seems not
		possible leave the different options open.
Search for a	Select a (set of) method(s) and	Use the outcomes of the question articulation to
(combination	refine it.	fill in the tool.
of) pertinent	Make an action plan on the	Discuss the resulting methods (an expert can
method(s)	route towards a decision.	present the different methods). Do the different
		options left open in the previous round result in
		different methods or not? Is there one method
		that fits all requirements or is a combination
		required?
		Make a timeline: when are the assessment
		results necessary and who are expected to use
		the results. Plan back who should be involved
		then and when the different phases of an SA
		should take place (goal/scope definition,
		inventory, impact assessment, interpretation
		etc.) and who should be involved in the different
		phases. Use also the questions and answers of Table S4, i.e. question 1 and 8.
Optionally:	Check if selection can be	Of the selected (combination of) method(s) find
Refine	executed and based on that	out what the data, expertise and model
method	refine method selection.	(software) requirements are and, if necessary,
selection		adjust the design according to your findings, in
		accordance with the participants of the question

Table S4: Questions for the question articulation phase. Question 2 to 7 are also asked in the online tool and used to select a sustainability assessment method.

No.	Question
1	What is the goal of the assessment? Where should the assessment contribute to?
2	What is the central object of the question (a product, product group, organization,)?
3	What is the technical readiness level of the object (lab, development, pilot, commercial)?
4	What is the spatial scale the question focusses on (local, regional, national, global)?
5	What is the temporal scale the question focusses on (present, past, close future, far future)?
6	Which parts of the life cycle should be included?
7	Which sustainability themes are important to include in the assessment?
8	Which stakeholders that are not yet involved should be involved in this case study?
9	Will they have another view on the questions above then you just answered?