
Wissen zu Nachhaltigkeit und Verständnis für komplexe Zusammenhänge. Eine Concept-Mapping-Studie (Supplement)

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Scoring Rubric: Integrated Concept Mapping Scoring Rubric for Assessing Sustainability

	0	1	2	3
Comprehensiveness	The map does not define the topic or is completely off-topic. The knowledge is not visible or not related to the topic.	The map lacks an adequate definition of its subject (for example, no central concept visible or central concept too general). The knowledge is very simple and limited. Low breadth of concepts (for example, relevant aspects are only minimally covered, no or limited mentioning of important sustainability categories). The map barely covers the topic.	The map defines the topic adequately (for example by defining a relevant central concept or a focus question). However, the knowledge is limited in some areas (for example, some key areas of sustainability and relevant aspects are covered but others are missing). The map demonstrates a limited understanding of the topic (for example because relations and dependencies within the area of sustainability are only covered to a limited extent).	The map completely defines the topic. Regarding content, only a few aspects of sustainability are missing (for example, all relevant categories of sustainability and numerous content areas are covered, like ecological, economic, and social factors).
Organization	The concepts in the map are not at all or mostly not connected. There are no visible branches or other structures in the concept map.	The concepts in the map are only linearly connected. There are only a few or no connections between branches of the map. Concepts are not well integrated.	The map has an adequate organization within some branches. Some signs of integrating different areas are visible, but not completely. Some feedback loops or other dependencies are depicted.	The map is well organized and captures several feedback loops or other dependencies. The structure is highly developed and well connected.
Correctness	The correctness of the map cannot be evaluated. Numerous concepts are unlabeled or not readable.	The map is simplistic and contains numerous misconceptions about the topic. Inappropriate terms are used. The map reflects an inaccurate understanding of the topic.	The map has some misconceptions about the topic. However, most relations are correct. There are some smaller errors and incorrect relations concerning the field of sustainability.	The map integrates the concepts very well and demonstrates a thorough understanding of the topic. There are few or no misconceptions or other errors. The central relations within the field of sustainability are covered.

Source: adapted based on Besterfield-Sacre et al. (2004)