

Proposal for oral presentation:

Synthesis of multiple knowledge sources: the multiple evidence base (MEB) approach

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Abstract

Systematic reviews and maps are 'gold standard' summaries of research evidence, but cannot typically include other forms of knowledge, e.g. indigenous and local knowledge (ILK). Theoretical frameworks for synthesising multiple evidence bases have been proposed but have limited practical application. We introduce a project that will develop a multiple evidence base methodology, combining systematic mapping with mapping of ILK, applying this approach in a case study of the impacts of base metal mining. This project develops a co-synthesis methodology to concurrently map research evidence and ILK. It will assess available knowledge on the impacts of base metal mining in boreal and arctic regions and the effects of mitigation measures in Sweden. This project will produce an interactive knowledge map, displaying the type and volume of evidence across multiple knowledge systems, highlighting knowledge gaps and clusters, and suggesting topics warranting further research or management.

If French translation is available this would be needed (we will present in English).