Can we use co-word analysis and bibliometric maps for detecting mega trends in the green transition of the urban areas?

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Abstract:

This presentation aim on showing how bibliometric and visual study on research carried out in the intersection of the *urban environment* and five different themes; *Environment, Transport, Economy, Energy and Quality of life.* The study is based upon a systematic content analysis of scientific publications published in journals belonging to the intersection of the science fields over a period of 35 years (1980-2013). In the study, we combines performance analysis and science mapping for detecting and visualizing conceptual subdomains. Quantitative and qualitative measures are used in order to identify the most prominent themes. Quantitative data are used to put together related concepts (themes or clusters of topics), while qualitative indicators (as those based on citations) are used to measure the quality of the identified themes. The preliminary results of the study shows A) the evolution of research in different subject areas and the patterns of their interaction; B) the development of volume and quality in the identified research themes. We propose that the combined approach helps to both experts and novices to understand the development of the research areas related to the green transition of the urban environment and further to predict future topics at a aggregated level.