A Research Agenda on Knowledge Management for Smart Regions

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Abstract

A few months ago, there was an expert brainstorm worshop whose aim was to create a research agenda dedicated to knowledge engineering and management for regional planning and policy making.

After having analysed the Sustainable Development Goals and the possible regional levers, several directions and lines of research have been identified and detailed.

In total, 39 lines of research were proposed, leading to more than 100 doctorate subjects. The first set was to reveal the characteristics of regional knowledge in contrast to conventional business knowledge. The other lines of research range from the modeling of space-time knowledge to fuzzy rules, from gazetteers to ontologies, from scalability to the supersiding of geographic rules, etc

This research agenda addresses also related to border effects, semantic and seamless interoperability of geographic knowledge systems, and the needs for curating of knowledge and elimination of false knowledge have also been identified. Without forgetting the integration of collective intelligence, the use of knowledge (case-based reasoning) can also boost the economy/innovation and technological and sociological watching.