

ICU#5 – Innovation and Green Building Standards

Method, raw clusters and reference list

1. Method

1. This ICU is based upon a semantic analysis of about 13 500 articles from international Press Agencies, newspapers and specialised journals, collected from 1 April 2008 to 15 January 2009. By definition, all results presented are 'as of' the period concerned.
2. In addition to Press Agencies News and to specialised journals, the newspapers are the most important ones of about 20 countries: China, Denmark, France, Germany, India, Indonesia, Ireland, Israel, Italy, Japan, Korea, Russia, Spain, Sweden, Swiss, Taiwan, Turkey, UK and the US. On the whole, about 65 sources were monitored for this ICU.
3. The articles are collected because they contain root word: "innovat*".
4. In addition to innovat*, the articles analysed for this ICU contained "building" AND "standard" AND "green" (or equivalent). Once the relevance of the selection has been double-checked, 80 articles in the database were found to correspond to this set of criteria. They were therefore subject to the semantic cluster analysis.

2. Clustering

Cluster 1: customer, product, sustainability, company, business, construction, award, project, office, chemical (37 documents)

Cluster 2: school, system, roof, glass, credit, floor, panel, roofing, brick, façade (27 documents)

Cluster 3: eco-towns, government, home, economy, proposal, job, house, community, scheme, ministry (16 documents)

NB: As a reminder: the clustering analysis is based upon a variant of 'k-means', classic 'bags of words' type; we have chosen to have a maximum of 3 groupings, based on proximities to the following entities: 'companies', 'organisations' and 'common-names'.

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3. Reference list

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