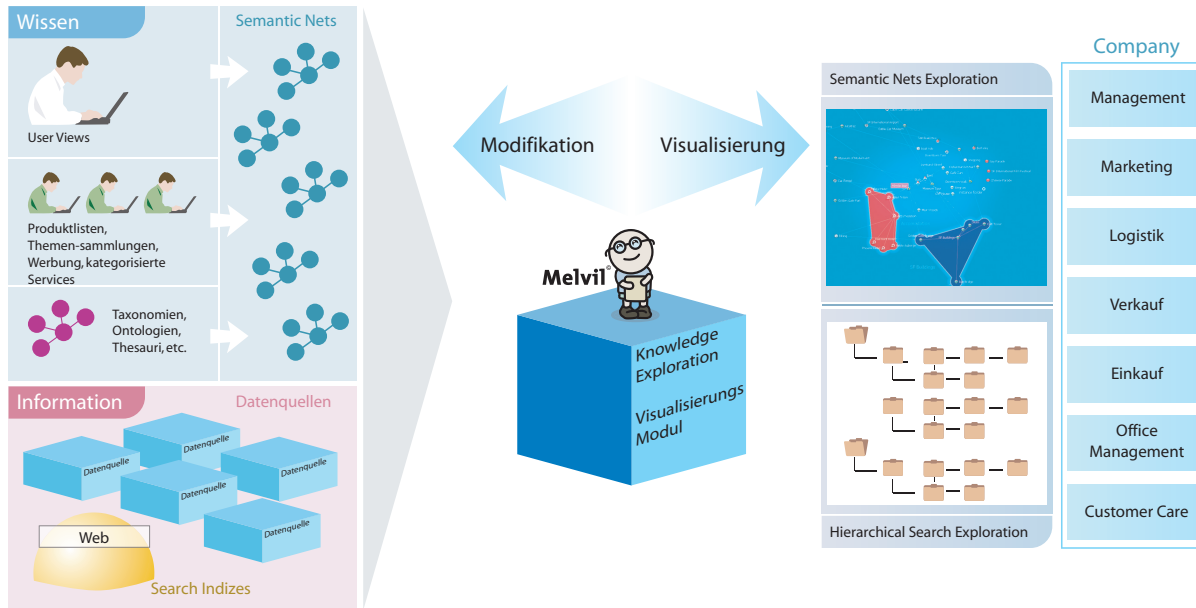


Melvil Knowledge Exploration



Showcase

uma developed the travel demonstrator as a concrete example of the visual discovery and extension of knowledge spaces. It enabled the user to simply and rapidly define personal knowledge spaces (semantic networks) related to travel routes, performed activities and meetings with people in a visually connected representation.

Hence, the information basis can be not only freely edited but also acquired via an integrated knowledge-sensitive search function. This semantic search enables the creation and combination of related search queries based on automatically generated knowledge spaces. These queries give the user the possibility to discover and extend further infor-

mation. The information acquired via the search mechanism is based on network and local resources and made available to the user in a clear navigable representation. Hence, knowledge representation and transfer are actively supported.

Knowledge exploration at a glance

- simple visual navigation through pre-existing knowledge spaces
- combination of full-text search and semantic search
- simple and intuitive definition of knowledge spaces:
 - personalised vocabulary, taxonomies, topic maps, ontologies, etc.
 - personalised views of search results
 - dependencies, links and hierarchies
- automatic visualisation of knowledge clusters
- individualised result sets and pre-defined settings for the visualisation
- common usage of knowledge spaces
- integration of third party knowledge spaces