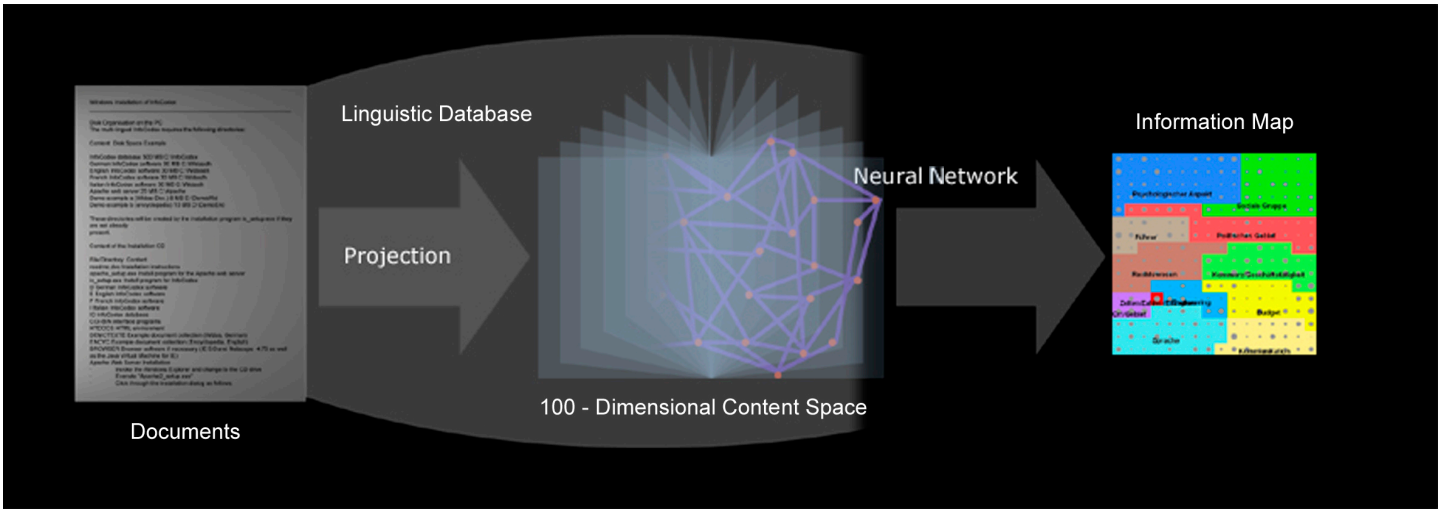
InfoCodex: Enterprise Search and Knowledge Management



What Distinguishes Enterprise Search from Internet Search

The assumption that similar approaches could be used in enterprise and internet searches "turns out to be surprisingly faulty" (Marc Strohlein: Executive Guide to Search, BusinessWeek of May 15, 2006). As outlined by Strohlein, enterprise search is confronted with the following problems not present in the internet search:

- *Heterogeneous Information Sources*

  - Internal and external sources
  - Numerous servers, e-mailboxes, employees' desktops and laptops
  - Various formats (documents, DMS, databases, application systems)

- *Privacy and Security*

  - A substantial proportion of the information is confidential and proprietary with access restricted to those who need to see it
  - Need for autonomous and protected knowledge repositories

- *Ranking, Clustering and Visualization*

  - Link-popularity ranking algorithms as used by Google do no work in an enterprise environment; the population of links is generally relatively small and thus not a reliable measure for the relevance.
  - The result list of a search can be rather long and viewing the first few results is often not sufficient; a targeted finding with appropriate visualization means of the relevant documents is needed.

Need for Advanced Functions

Across an enterprise, there is a broad spectrum of different usages, ranging from simple straight-forward searches in a confined collection of information to very advanced knowledge management tasks.

The broad user base needs only very limited functionality, expecting a simple tool that can be used without training.

On the other hand, high-end users need access to advanced knowledge management functions. This is because the major benefits of knowledge and content management result from:

- Information research, facts finding, knowledge discovery
- Recognition of thematic content (cross-language) and categorization according to the thematic content
- Economic intelligence, early recognition of new facts
- Knowledge transfer (preventing re-invention of the wheel), knowledge securing

These core functions of knowledge management are not solved by pure search engines.

InfoCodex was awarded for

The best and most innovative tool for economic intelligence

at the i-expo 2006 in Paris.

USPs of InfoCodex

Through its versatility and advanced technology, InfoCodex can fulfil the requirements listed above within one coherent, lean system:

- Importing documents from heterogeneous information sources
- Respecting documents' access rights in the underlying network and file system and allowing strict privacy by means of protected sovereignty domains
- Reliable ranking and clustering by means of a well-founded content similarity measure even in cases of poorly structured documents, *without any human intervention or training*
- Automatic content-based cross-language categorization of documents and visual display in an information map *without any training*
- Advanced search functionality for content-related, cross-language search
- Tools for the advanced content and knowledge management functions such as professional information research, economic intelligence etc.
- Broad range of usages, ranging from simple searches targeted to the broad user base to very advanced knowledge management functions for the high-end users.

InfoCodex is the only knowledge management system on the market with a cross-language linguistic database whose entries are systematically linked to a universal taxonomy tree. This is the key factor in its content recognition capability.