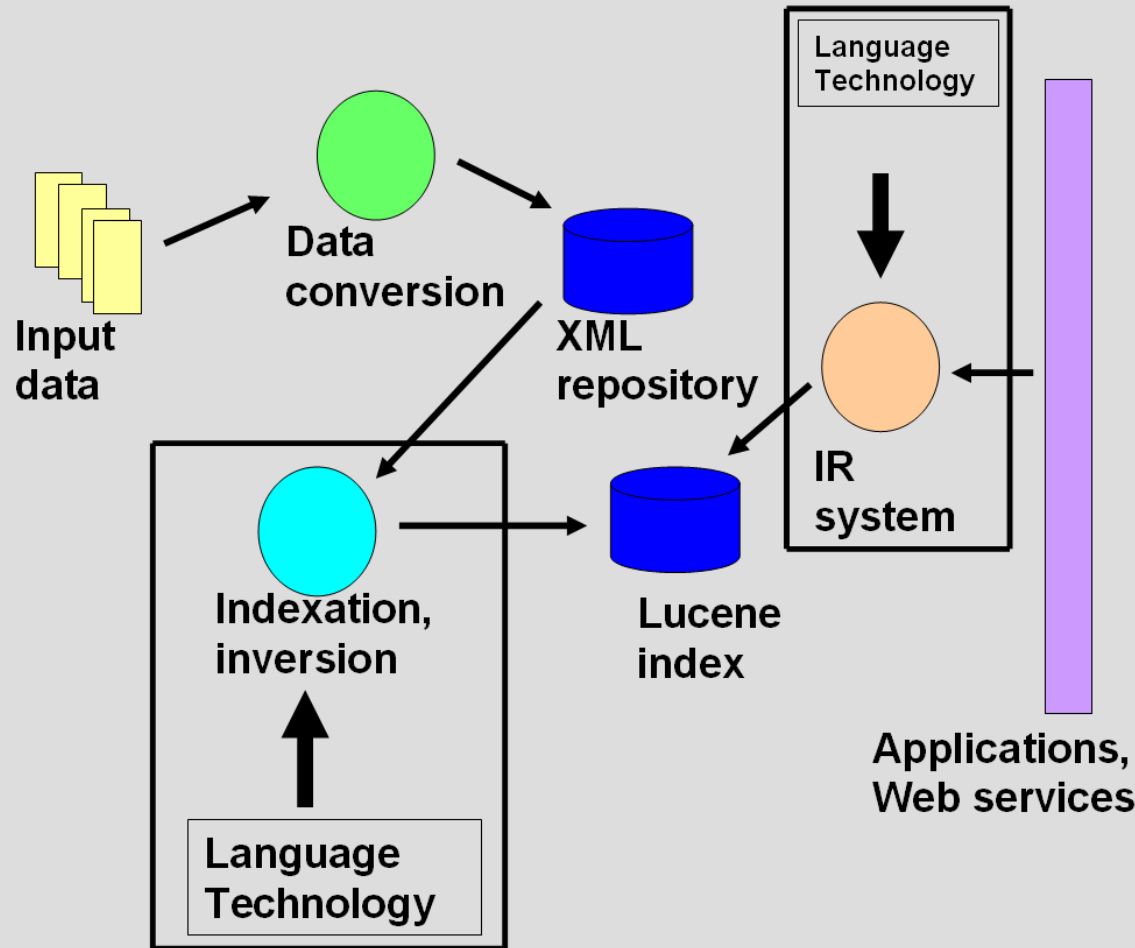


- IAI founded in 1985
- 22 staff
- Activities:
 - Computational linguistic research
 - Products:
 - CLAT: Tools for technical authors
 - Duden Korrektor: Spell and grammar checking
 - Autindex: Content extraction, automatic indexing, information retrieval

- Automatic indexation: Assignment of key words describing the content of a document
- Linguistic query processing
- Approach:
 - high quality linguistic analyses
 - in combination with statistical algorithms
- Major innovation: Use of unique linguistic processing modules

Exemplary Workflow



•High Quality Information Processing: Fachinformationszentrum Technik, Frankfurt

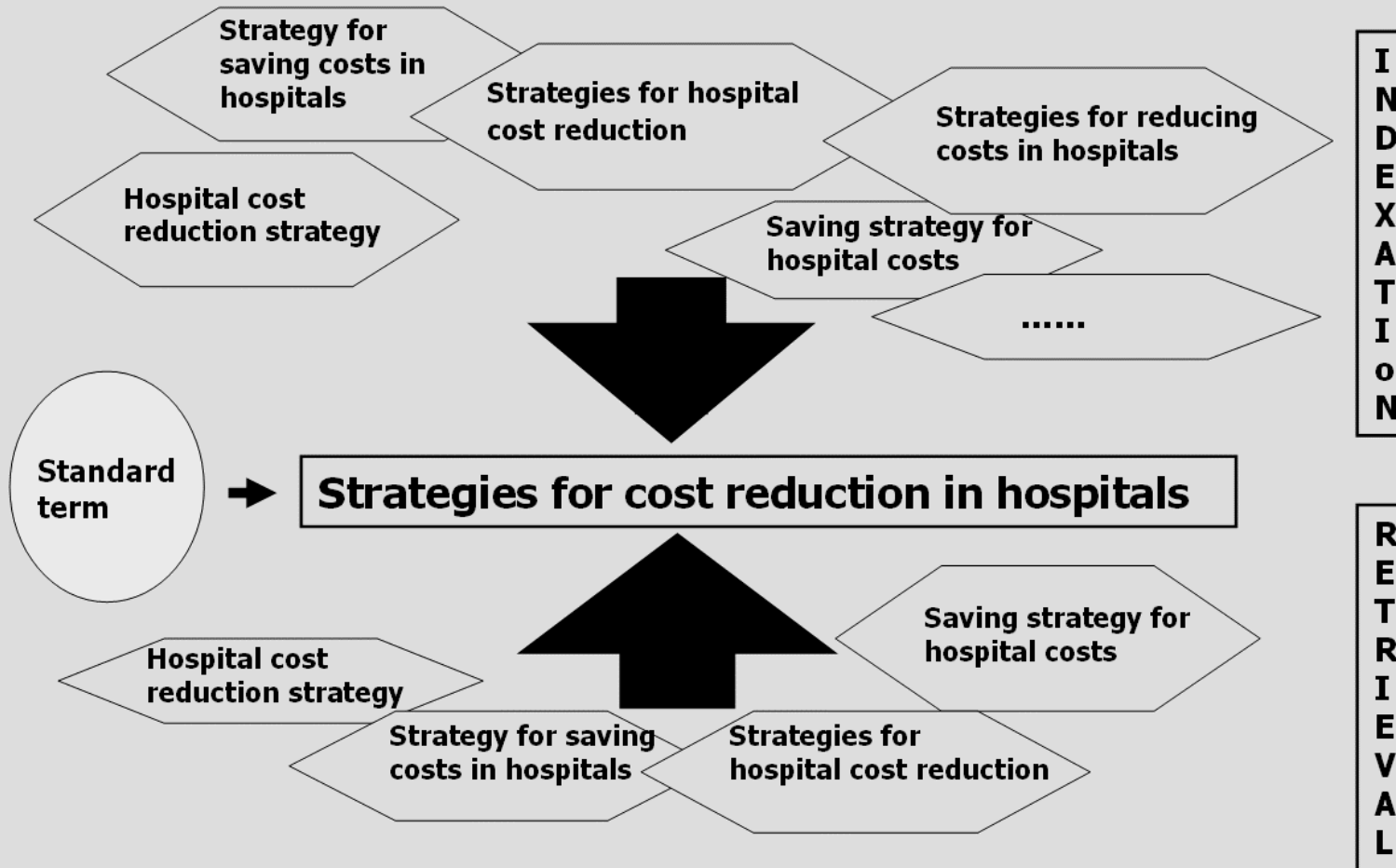
Example: Term Processing

- A document on ‚cost reduction strategies in hospitals‘ has terms in it like:

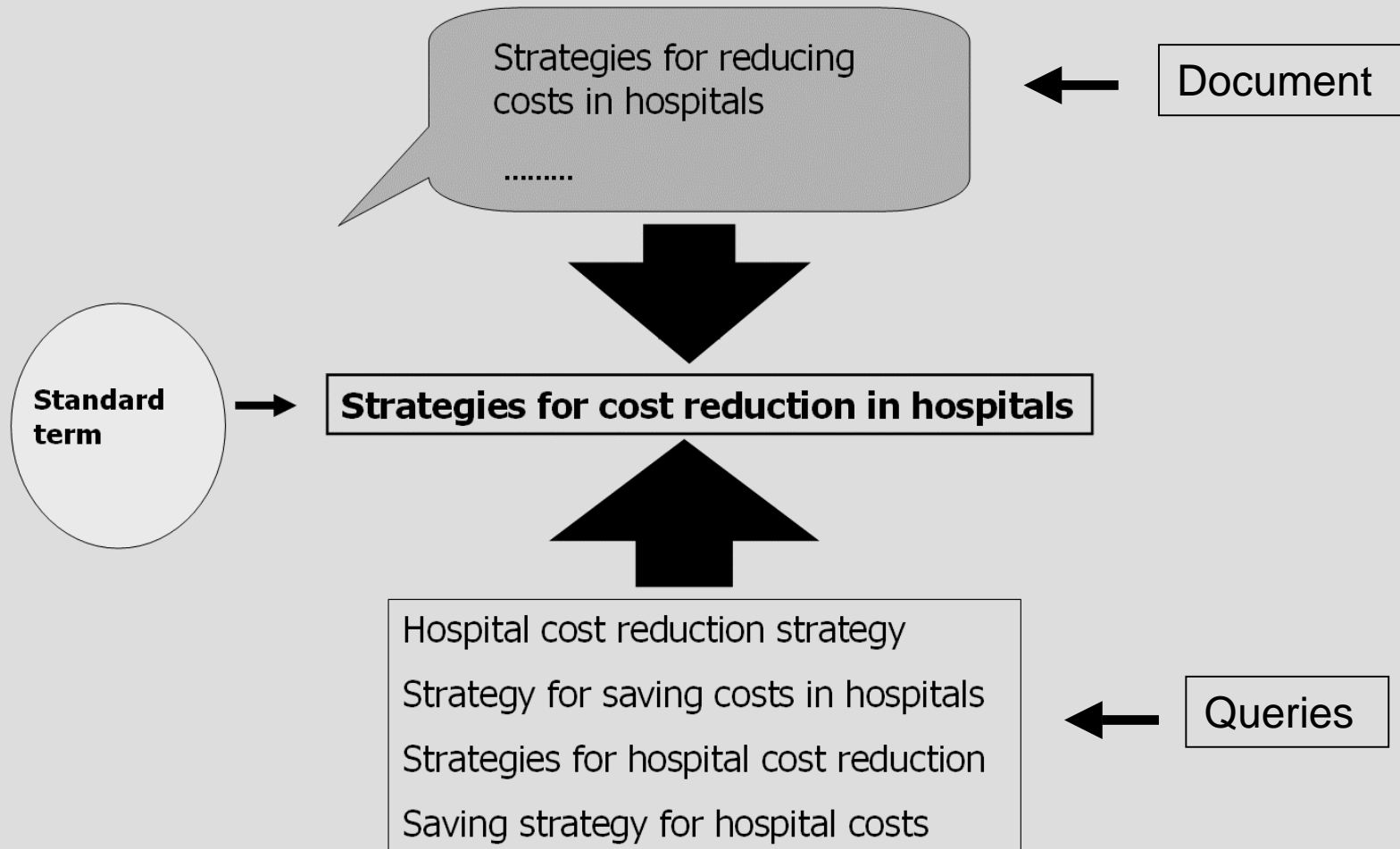
‚cost reduction scheme for hospitals‘, ‚cost reduction plan for hospitals‘, strategies for lowering costs in hospitals‘, ‚reduction strategy for costs in hospitals‘, strategies for reducing costs in hospitals‘,

- A search query may have the same terms
- Problem: How can the article be found with different terms?

Relations between Terms



Searching an Article



- Libraries:
 - Indexation of content tables
 - Key words for catalogue
 - Retrieval can find documents through key words
- Part of a bank document management system
- Encyclopaedia Brockhaus:
 - Indexed articles
 - Retrieval ‚natural language queries‘

- Information providers:
 - Juris, (Law Data Base), Saarbrücken:
 - ZPID (Zentrum für Psychologische Information und Dokumentation)
 - GRS (Gesellschaft für Anlagen- und Reaktorsicherheit, Berlin)
 - FIZ-Technik, Frankfurt
 - Wolters Kluwer
 - Datev

- Textmining
- Information extraction
- Information retrieval
- Archiving
- Knowledge management:
 - Wiki-Mining
 - Self organised Wikis

- We are looking for business partners, buyers or licensees
- We want to achieve: R&D cooperation, commercialisation, licensing

Thanks!!