

Web-based Bibliometric Data Warehouse

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The problem: how to measure scientific work?

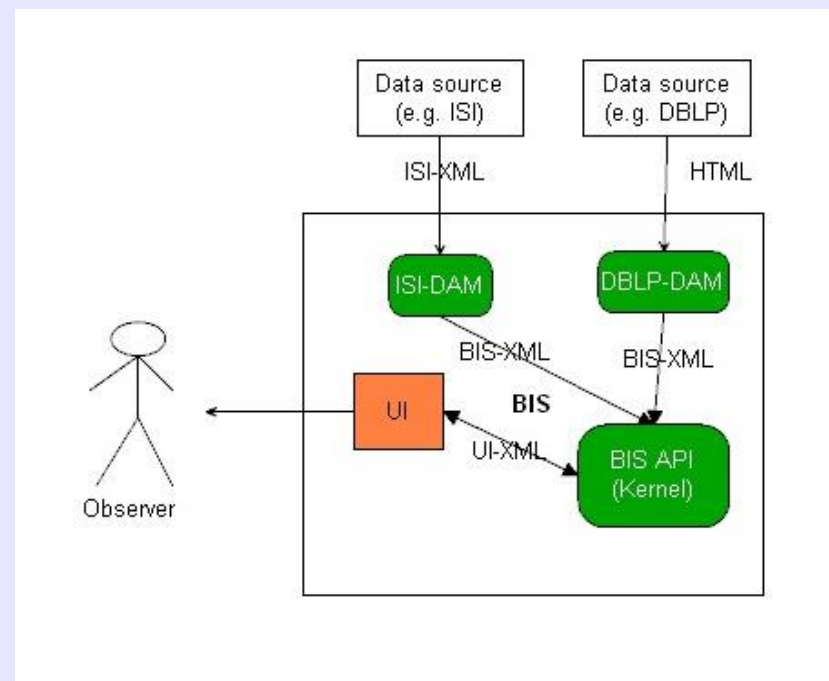
- There is no simple way to measure science
- Methods of evaluation
 - Awards
 - Publications
 - Citations
- How to gather information about scientific work?

Approach to the problem

- Citations as a measure of science
- Different databases as a source
- Ontological problems with bibliometric data that need addressing:
 - homonym problem – different authors, but the same names
 - synonym problem – different spelling of a name of an author

Proposed solution to the problem

- The Bibliometric Information System - data warehouse with bibliometric data
- Dedicated adapters to gather data from different databases (such as ISI, DBLP)
- Mechanisms to clean data and solve ontological problems



Thank you

Thank you for your attention!