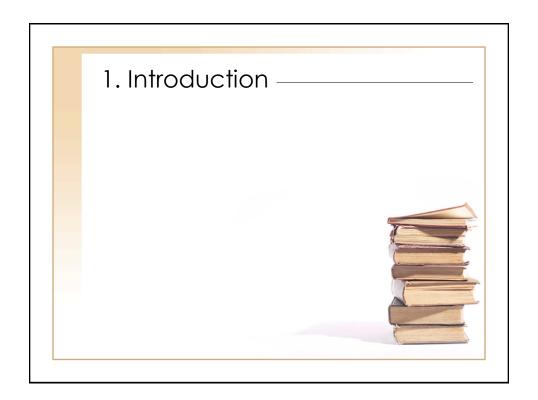
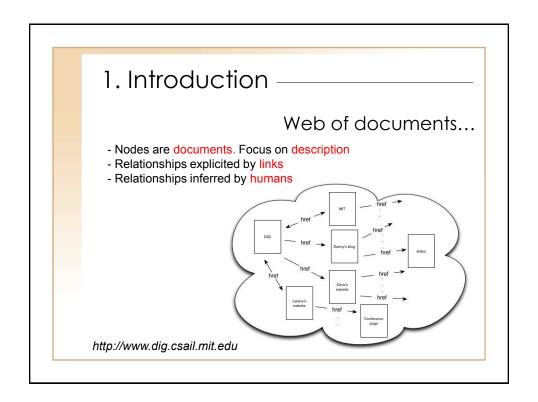
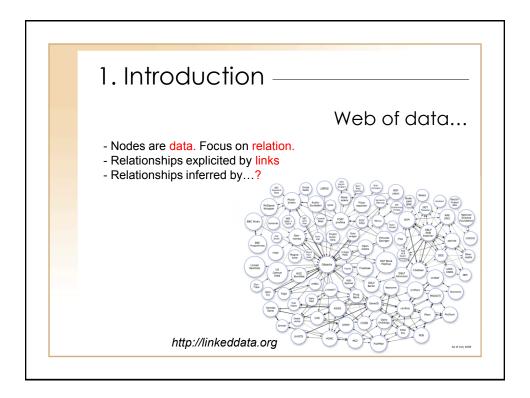
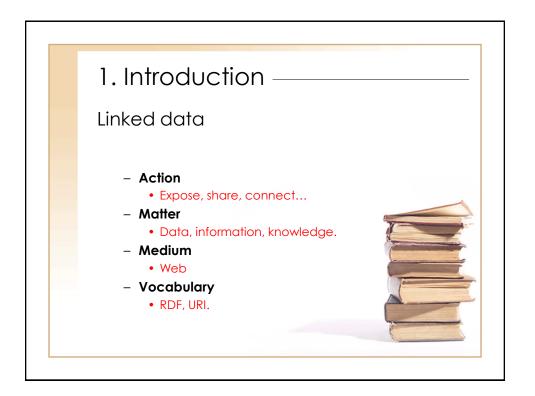


Summary 1. Introduction 2. Linked data & Libraries 3. Next Generation Catalogs 4. Challenges 5. Goal-Oriented catalog 6. Goals 7. Caveats 8. Conclusions

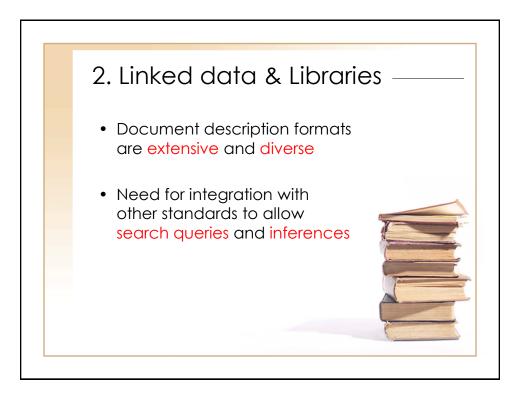




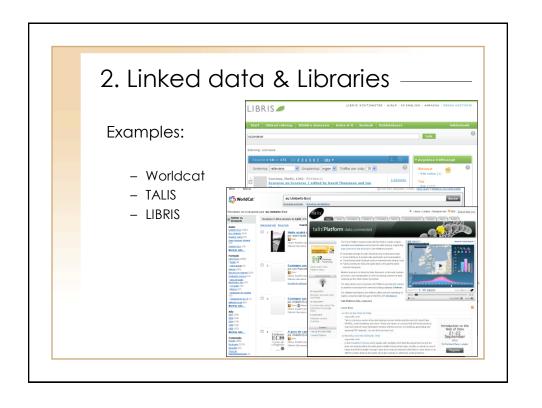


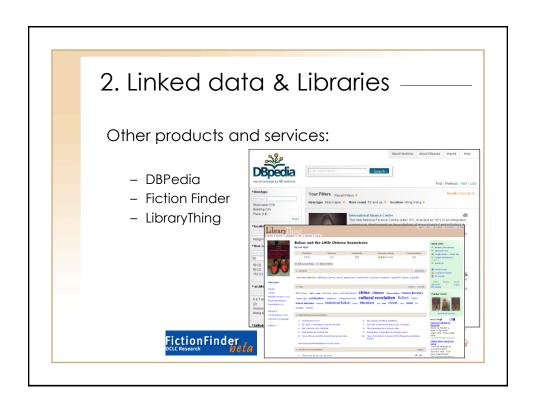


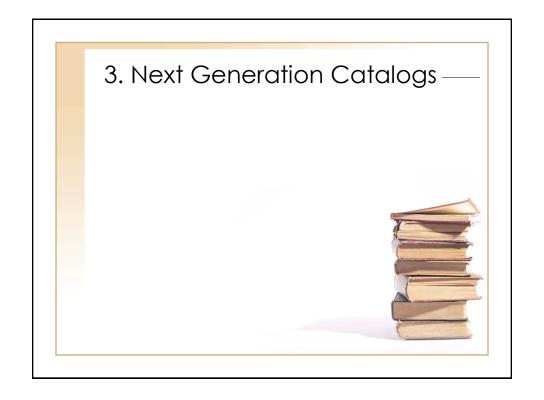
2. Linked data & Libraries —



2. Linked data & Libraries Working groups: - W3C Library Linked Data Incubator Group - BNF Pivot Project - LCSH/SKOS Project







3. Next Generation Catalogs

Advanced features:

- Metadata transformation, extraction or transference
- Browsing and discovering information about collections
- User experience management



3. Next Generation Catalogs -

Tools and applications:

- Encore
- Primo
- Aquabrowser
- Endeca
- Vufind
- SOPAC
- ...



3. Next Generation Catalogs

Shared catalogs

Represent not only a global access to larger and richer collections, but also a strategy for innovation and cost reduction



3. Next Generation Catalogs -

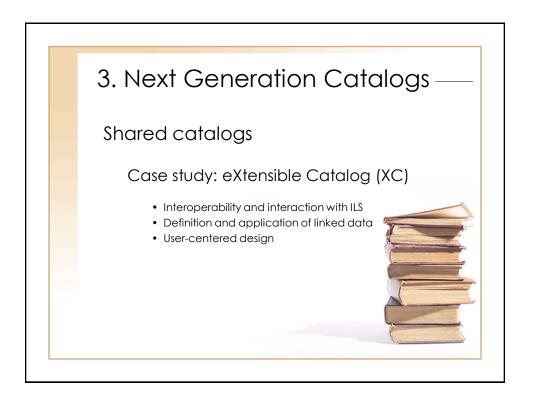
Shared catalogs

Technical concerns

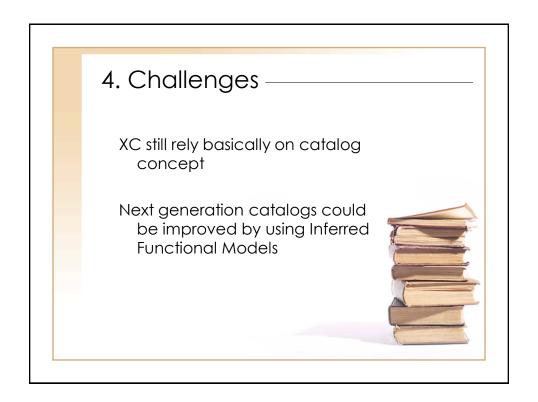
- To simplify catalog records
- To handle multiple metadata schemes
- To obtain and/or reuse data
- To identify and avoid local customizations
- To improve interoperability with ILS and inventory tools



3. Next Generation Catalogs Shared catalogs Case study: eXtensible Catalog (XC) XC Software Overview User Interface Web Application Platform W



4. Challenges



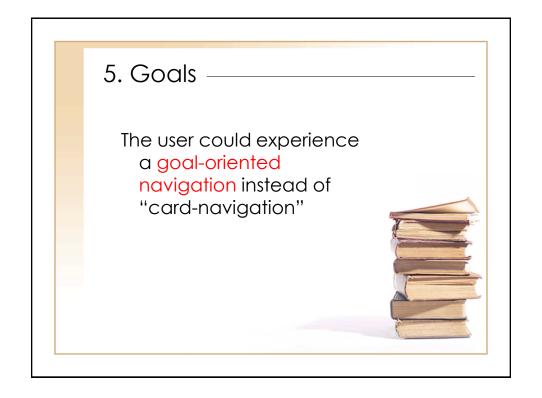
4. Challenges -

- Automatic classification
- Ontologies and taxonomies
- Authority control
- User experience management
- External services linking

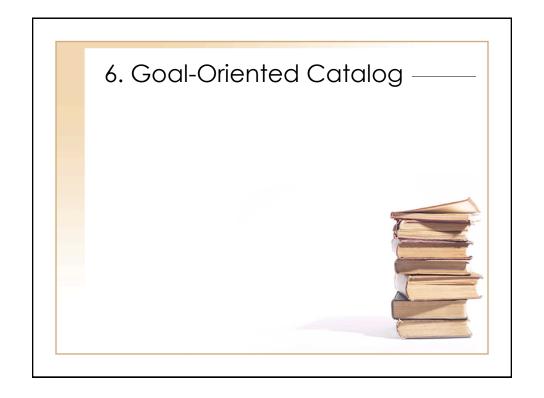




5. Goals To propose a framework to integrate some applications in a shared cataloging system, so that...



In order to do that: Structured information should be transformed into inference rules External information should be added (controlled and uncontrolled) The user should receive suggestions based on the inferences drawn from internal and external resources



6. Goal-Oriented Catalog

- A catalog focused in user actions requires
 - That users take the reins, deciding what information they want to search on
 - Data detectors
 - That users receive suggestions search-related
 - External sources

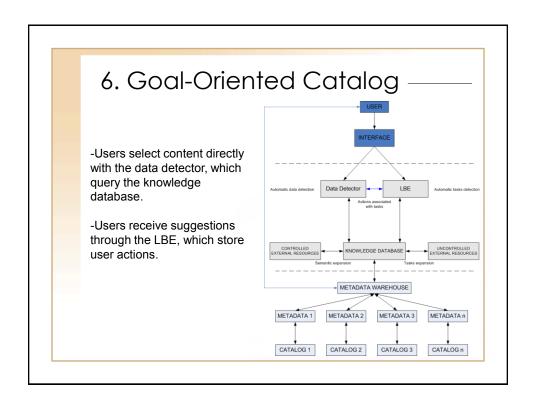


6. Goal-Oriented Catalog

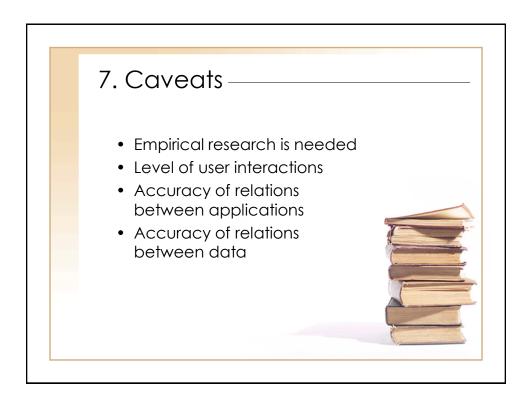
- A catalog focused in user actions requires
 - That system can learn from user actions
 - Learning by example
 - That system can learn how to make inferences from user's consultations
 - Knowledge databases



6. Goal-Oriented Catalog -Each catalog expose their metadata like data providers -All metadata content is stored and structured in OWL in the metadata warehouse -Metadata and external resources feed the knowledge database METADATA WAREHOUSE METADATA 2 METADATA 1 METADATA 3 METADATA n CATALOG 2 CATALOG 3



7. Caveats



8. Conclusions

