



MERESCO 3.0

Open Space Meeting
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What Are We Going To Do?



- Introduction into MERESCO
 - What it is
 - What it does
 - What is new
- Open Space
 - Goal: we all learn
 - Theme: MERESCO

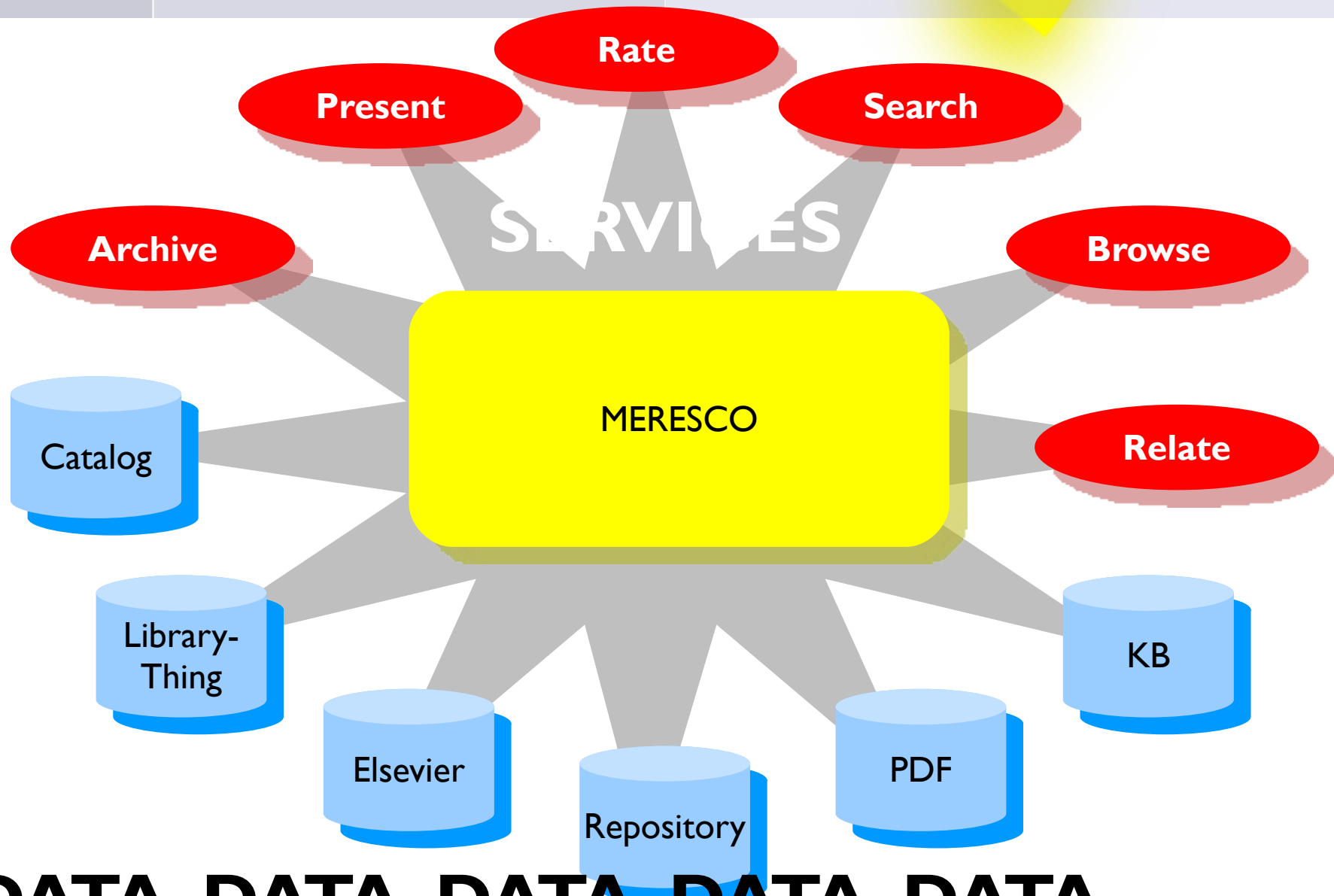
Regular Meetings Like This?
Subscribe to groups.google.com/group/meresco

A Short History of MERESCO



How did it became one coherent suite?

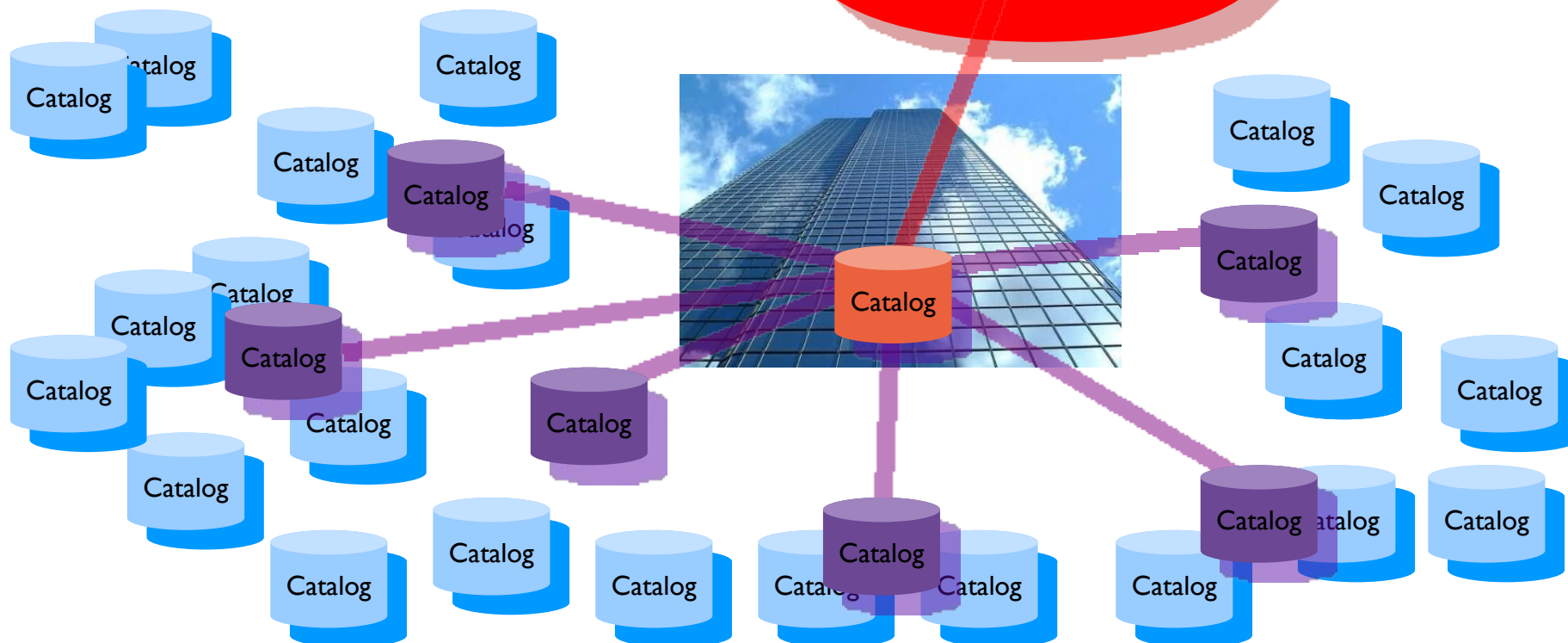
What Is MERESCO About?



DATA, DATA, DATA, DATA, DATA, ...

How To Use MERESCO?

- Determine
 - target audience
 - targeted services
 - relevant data sources



Example: Discover, Technical University Delft

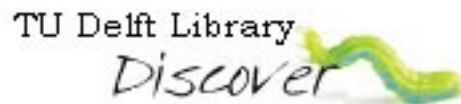
- Relevant data sources

- Catalogue
- Repository
- Absis
- UNESCO-IHE
- Elsevier
- LibraryThing
- ILS/iPAC

- Local

- Target Audience

- University Students
- Technical Companies



- Services

- Search
- Browse
- Rate
- Locate, Download
- Renew, ...

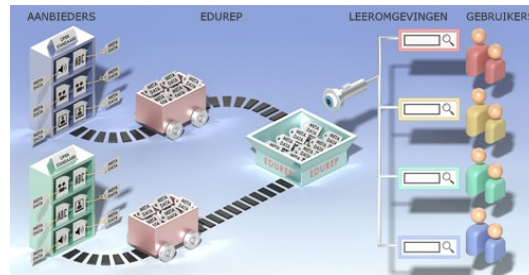
Example: Edurep, Kennisnet

- Relevant data sources

- 50+ providers of learning materials
- Naturalis
- Freudenthal
- Teleblik
- ...

- Services

- Search
- Browse
- Rate, Review
- Download



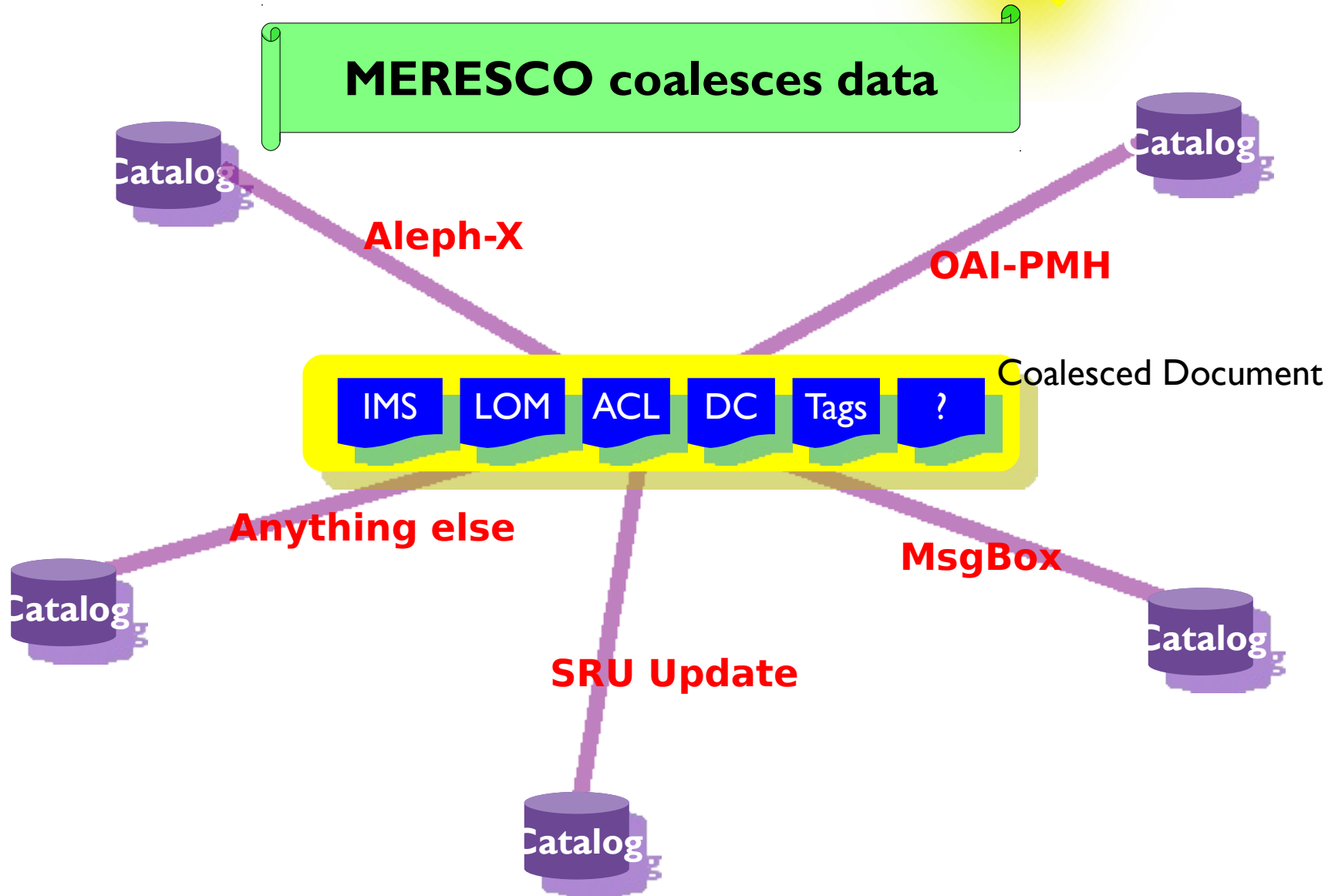
- Target Audience

- Teachers

- National

- 40+ portals
- Wikiwijs
- Leraar24
- Digischool
- Teleblik
- ...

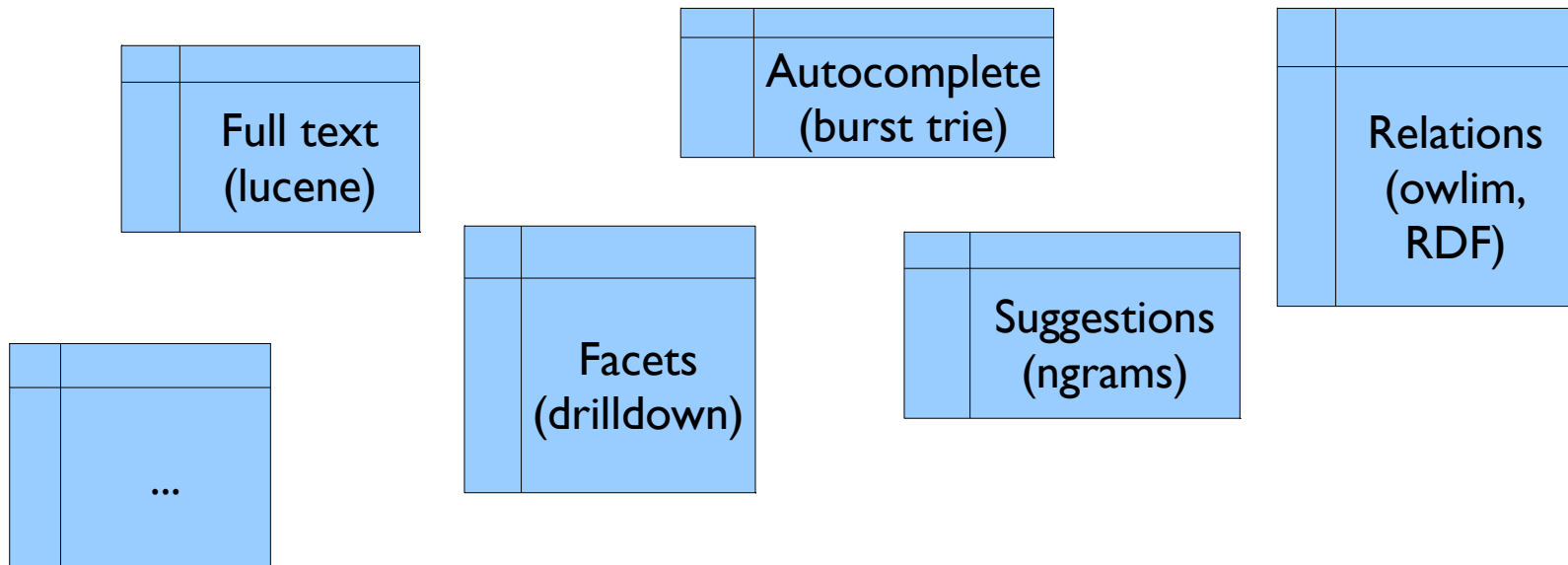
What Does MERESCO Do?



What Does MERESCO Do?

MERESCO builds entries (indexes)

—► For any service, the basis is **entries**, or indexes

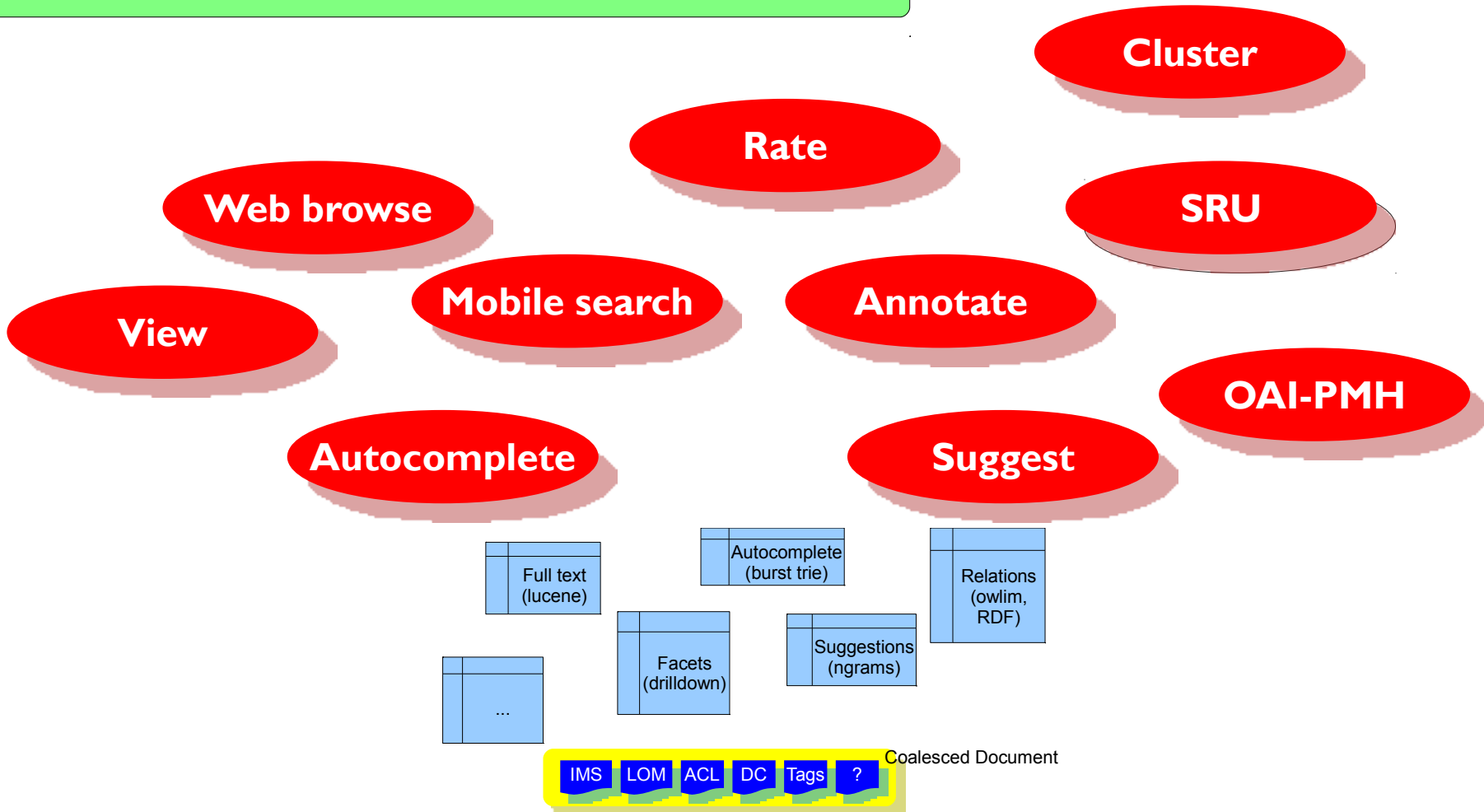


IMS LOM ACL DC Tags ?

Coalesced Document

What Does MERESCO Do?

MERESCO renders services



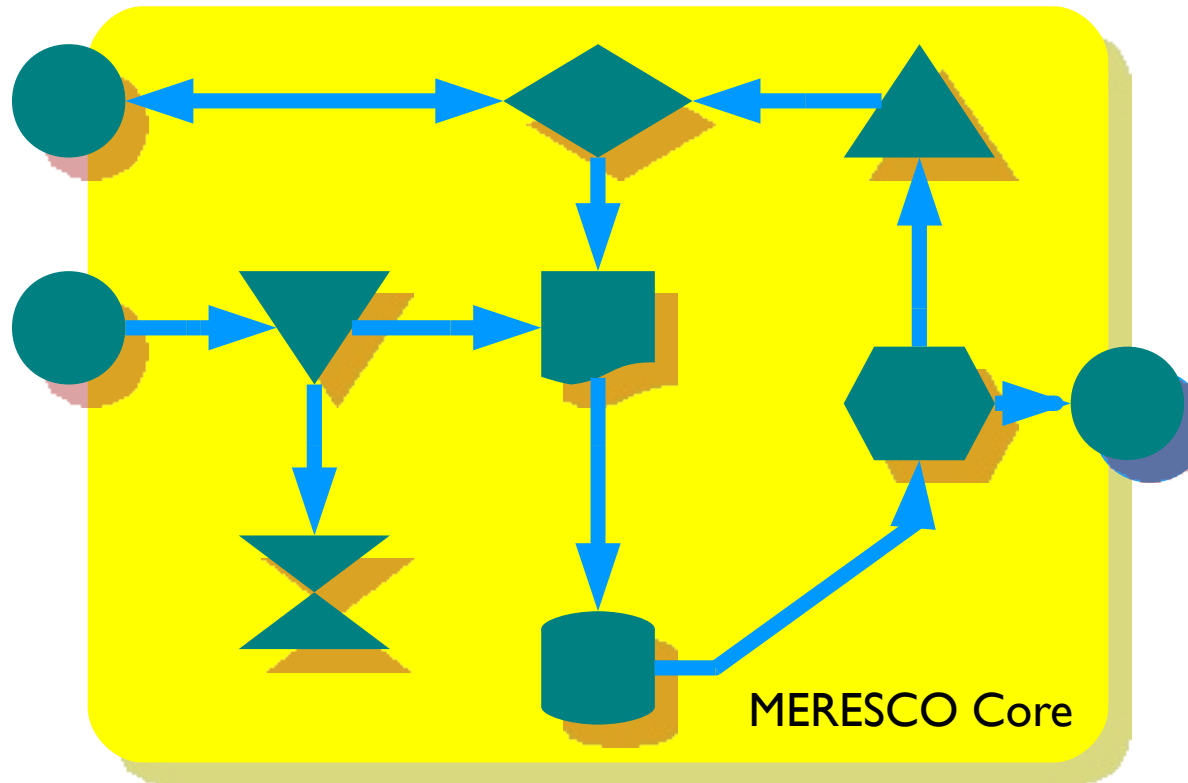
What Makes MERESCO Stand Out?

- Flexibility
 - DNA
 - Rich Component Library
 - Many Normalisation Options
- Scalability
 - Efficient
 - Modular
 - Multiple Scaling Axes
- Open
 - Completely Open Source
 - Integrate anything
 - Connect anything
- Integrated Best of Breed
 - Choice of Index Types
 - Choice of Language
 - Metadata Independent
- Peer-driven
 - What goes around, ...

What is Application DNA?

Plug & play components

Hook-up 3rd party components



Streaming interface

Minimal interface requirements

Why is MERESCO so Scalable?

Domain knowledge
(application)

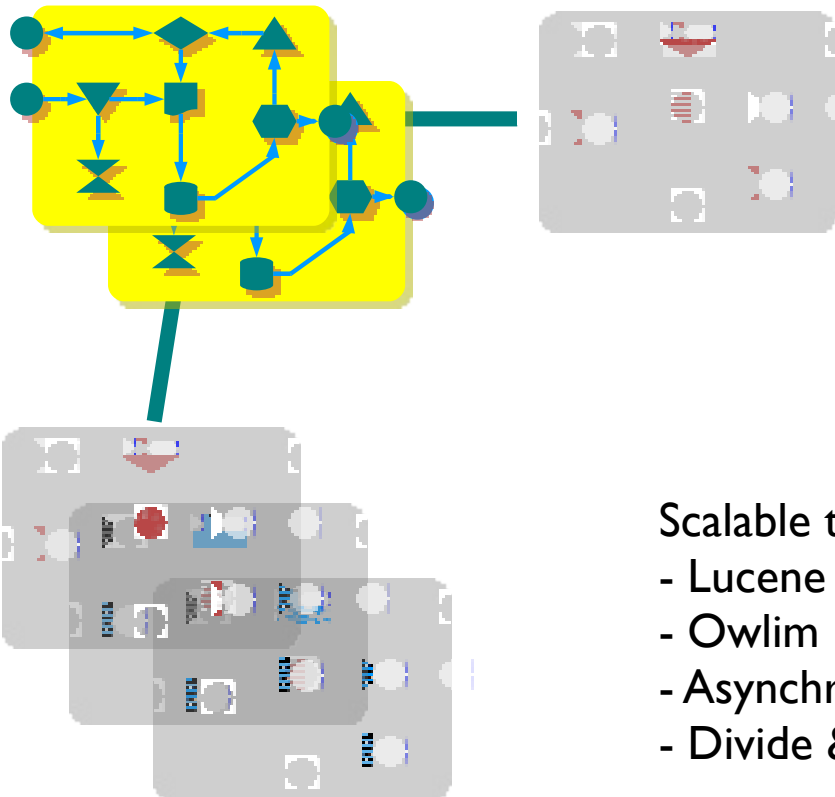


Algorithms
(math)



Engineering
(programming)

Efficiency becomes just as important as Scalability



Scalable technologies

- Lucene Full text
- Owlrim RDF Striple Store
- Asynchronous DNA
- Divide & Conquer

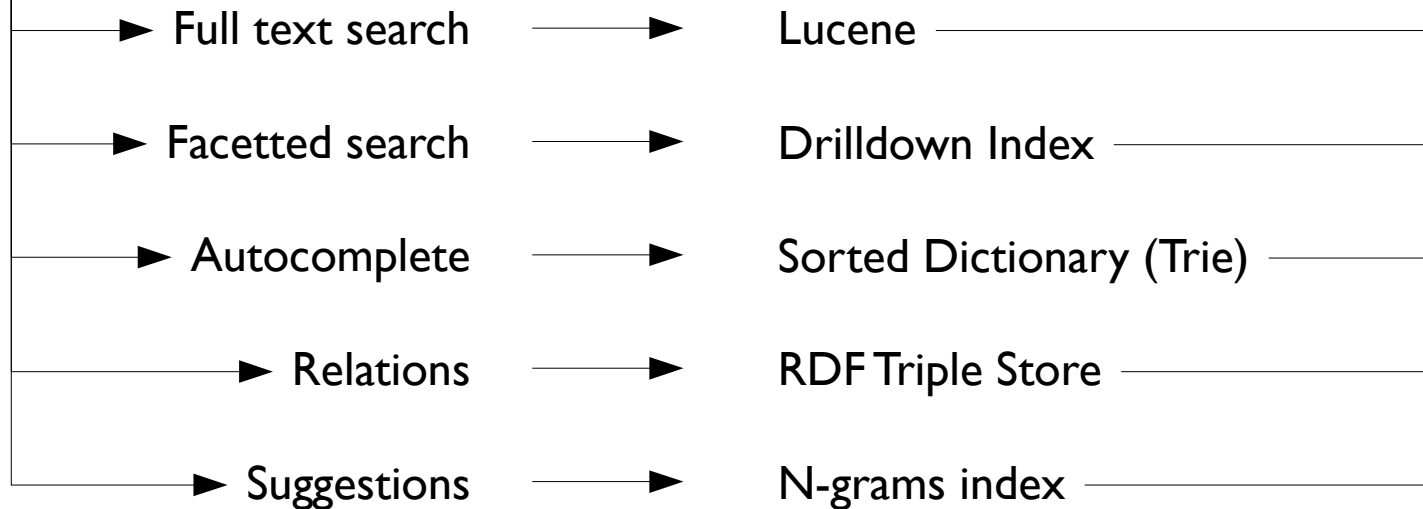
What Makes MERESCO so Open?

- Components in any language
 - Java, Python, C++, PHP, .NET
- Configuration DNA in Python
 - Very accessible language
- All code is Open Source
 - Download and play now
- 100% Metadata Independent
- Supports any protocol.
 - New protocols are easily added
- Many Crosswalking and Normalisation options
 - XSLT
 - Rules
 - External componen

Best of Breed and Integrated?

Use the right Tool for the right Task

QUERY



All configurable by DNA

RESULTS

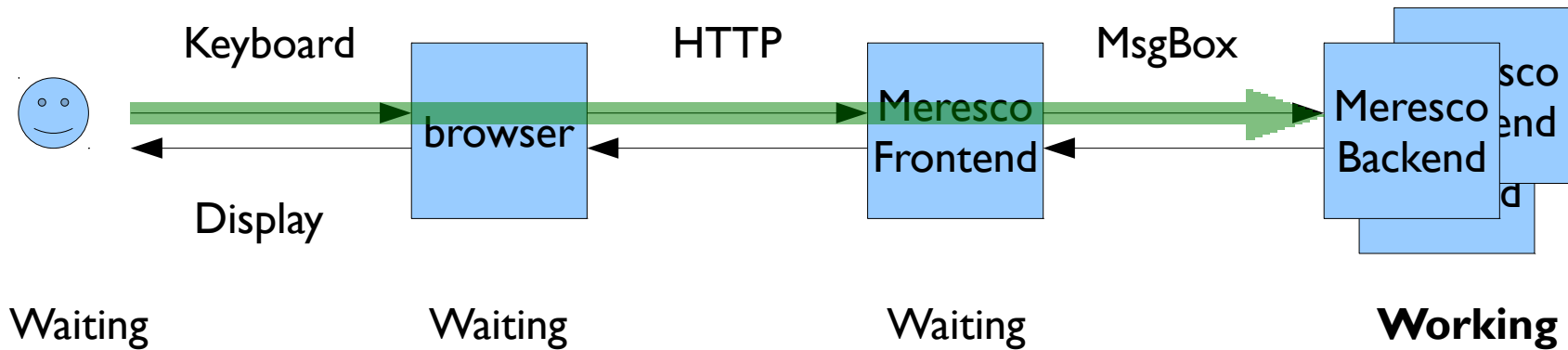
Idem for normalisation, storage, ...

New In MERESCO 3.0

- Asynchronous DNA
- Asynchronous HTTP
- Asynchronous Message Box
- JTool
- Triple Store
- Vocabulary drilldown
- ...

Asynchronous What?

The problem with Mash-Ups: Computers are Waiting

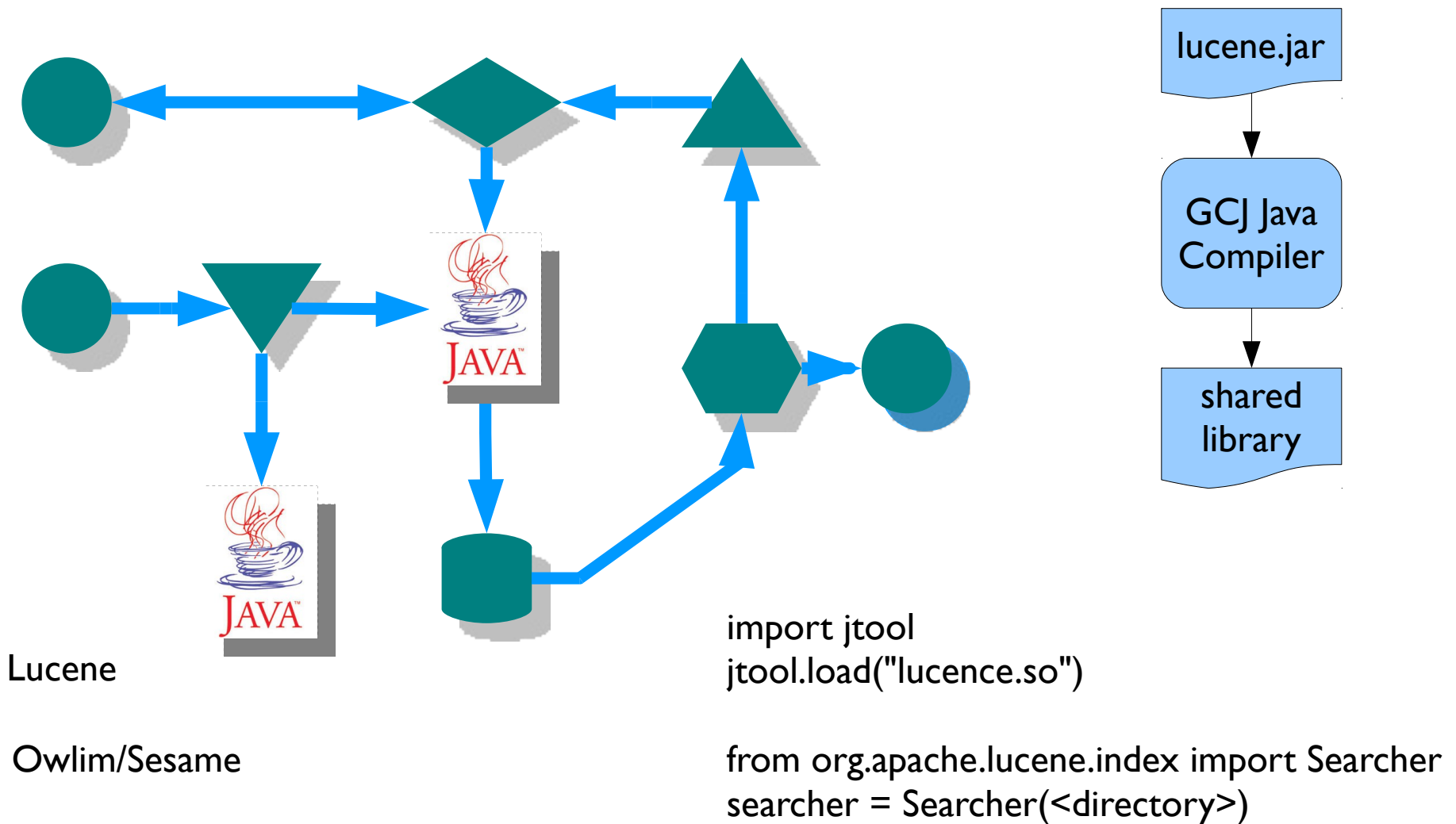


Waiting Users Consume Resources

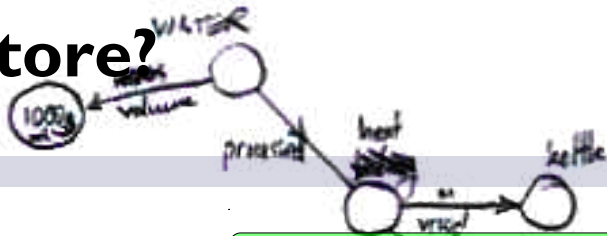
But with asynchronous communication: VERY LITTLE

What is JTool?

Integrate ANY Java Component Using DNA

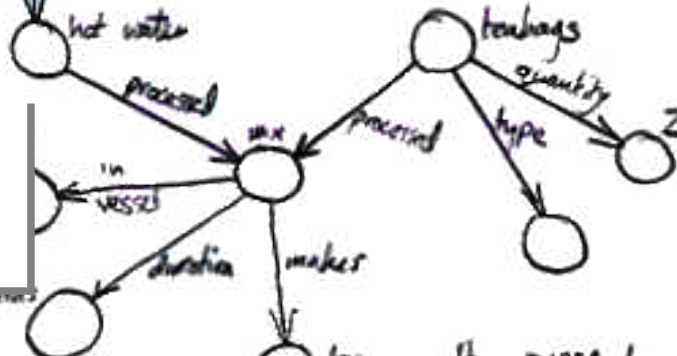


A Triple Store?

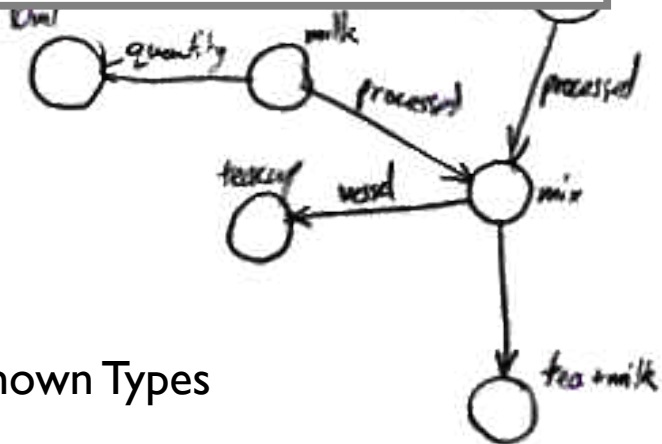


In the Near Future: Metadata = Triples

(<http://isbn.nl/978-90-446-1423-7>,
<http://purl.org/dc/terms/title>,
"Max Havelaar")

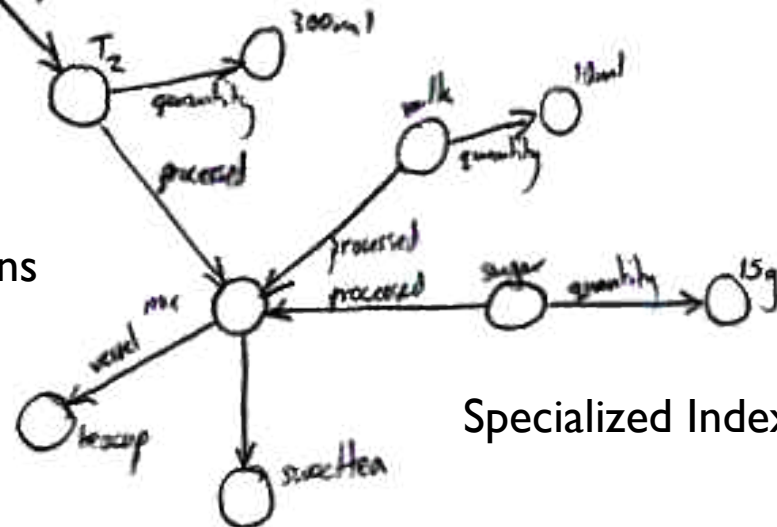


(<http://isbn.nl/978-90-446-1423-7>,
<http://purl.org/stuff/rev#Comment>,
"I am reading this")



Unknown Types

Relations



Vocabularies

Specialized Index

Why Vocabulary Drilldown?

Increasing use of Vocabularies

E.g. Wikiwijs: 100+

Metadata discussions become vocabulary discussions

Problem: create facets for unknown terms

Some examples from schemaweb.info:

Travel
Creative Commons
Review
bibTeX
Annotea
CERIF
FRBR
Exif
Foaf
Relationship
Terrorists Attack Types
ACL
ZIP code
Blogger
Copyright
Geo
BIO
Who's who
DC Elements
Topic Map
Digital Picture
IMS *
Country Code
DC Type
<http://purl.org/net/biblio#>

That Was It



Questions
Discussions
Remarks
?

Wrap up

- What MERESCO is
- Examples
 - Local
 - National
- What MERESCO does
- Why MERESCO stands-out
- What is new
 - Asynchronous
 - JTool
 - Triple Store
 - Vocabulary Drilldown
- Next
 - Open Space

Open Space

- We make our own program
- Suggest sessions

Whenever it starts is the right time



When it's over, it's over



Whoever comes are the right people

Whatever happens is the only thing that could have



Law of Two Feet