

*e-Stockholm '08 Legal Conference
IT Regulations and Policies
- from theory into practice
Stockholm 17-19 November 2008*

XXIII:e Nordiska konferensen i Rättsinformatik

Standardisation as a regulatory measure

Support of legal information supply

*Lars Klasén
InfoTorg AB
lars.klasen@infotorg.se*

- International standardisation initiatives
- Free online legal information
- PSI – reuse of legal information
- Online legal information market
- IR systems past & present
- Web 2.0
- Future – Semantic Web or Google?

Rättsbanken

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Legal-RDF
Annotated Laws on the Semantic Web

*Laws and Legal Documents
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LegalXML

Advancing standards
for legal data exchange



Legal Taxonomy Syllabus
A Dictionary and Repository on European Law



AKOMA NTOSO

Architecture for Knowledge-Oriented Management of African Normative Texts using Open Standards and Ontologies



ESTRELLA

Legal Knowledge Interchange Format

lkif The Legal Knowledge Interchange Format (LKIF), is a Semantic Web based language for representing legal knowledge in order to support modeling of legal domains and to facilitate interchange between legal knowledge-based systems.

LKIF Core Ontology

lkifcore



MetaLex/CEN

An Open XML Interchange Format
for Sources of Law

LEXML

LISA
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A common gateway to national law

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DIRECTIVE 2003/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 17 November 2003
on the re-use of public sector information

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty establishing the European Community, and in particular Article 95 thereof,

Having regard to the proposal from the Commission ⁽¹⁾,

Having regard to the opinion of the European Economic and Social Committee ⁽²⁾,

Having regard to the opinion of the Committee of the Regions ⁽³⁾,

Acting in accordance with the procedure set out in Article 251 of the Treaty ⁽⁴⁾,

Whereas:

(5) One of the principal aims of the establishment of an internal market is the creation of conditions conducive to the development of Community-wide services. Public sector information is an important primary material for digital content products and services and will become an even more important content resource with the development of wireless content services. Broad cross-border geographical coverage will also be essential in this context. Wider possibilities of re-using public sector information should *inter alia* allow European companies to exploit its potential and contribute to economic growth and job creation.

(6) There are considerable differences in the rules and practices in the Member States relating to the exploitation of public sector information resources, which constitute barriers to bringing out the full economic potential of this key document resource. Traditional practice in public sector bodies in exploiting public sector information has developed in very disparate ways. That should be taken into account. Minimum harmonisation of national rules and practices on the re-use of public sector documents should therefore be undertaken in



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- [First AsianLII Conference 2009 - 'Building capacity for free access to law in Asia'](#), Sydney, 23-25 February 2009 - **Announcement and Call for Papers**
- [Superannuation Complaints Tribunal of Australia Decisions 2008-](#) (AustLII)
- [Australian Privacy and Surveillance Law Library](#) launched at the Interpreting Privacy Principles - Symposium in Sydney (2 October 2008)
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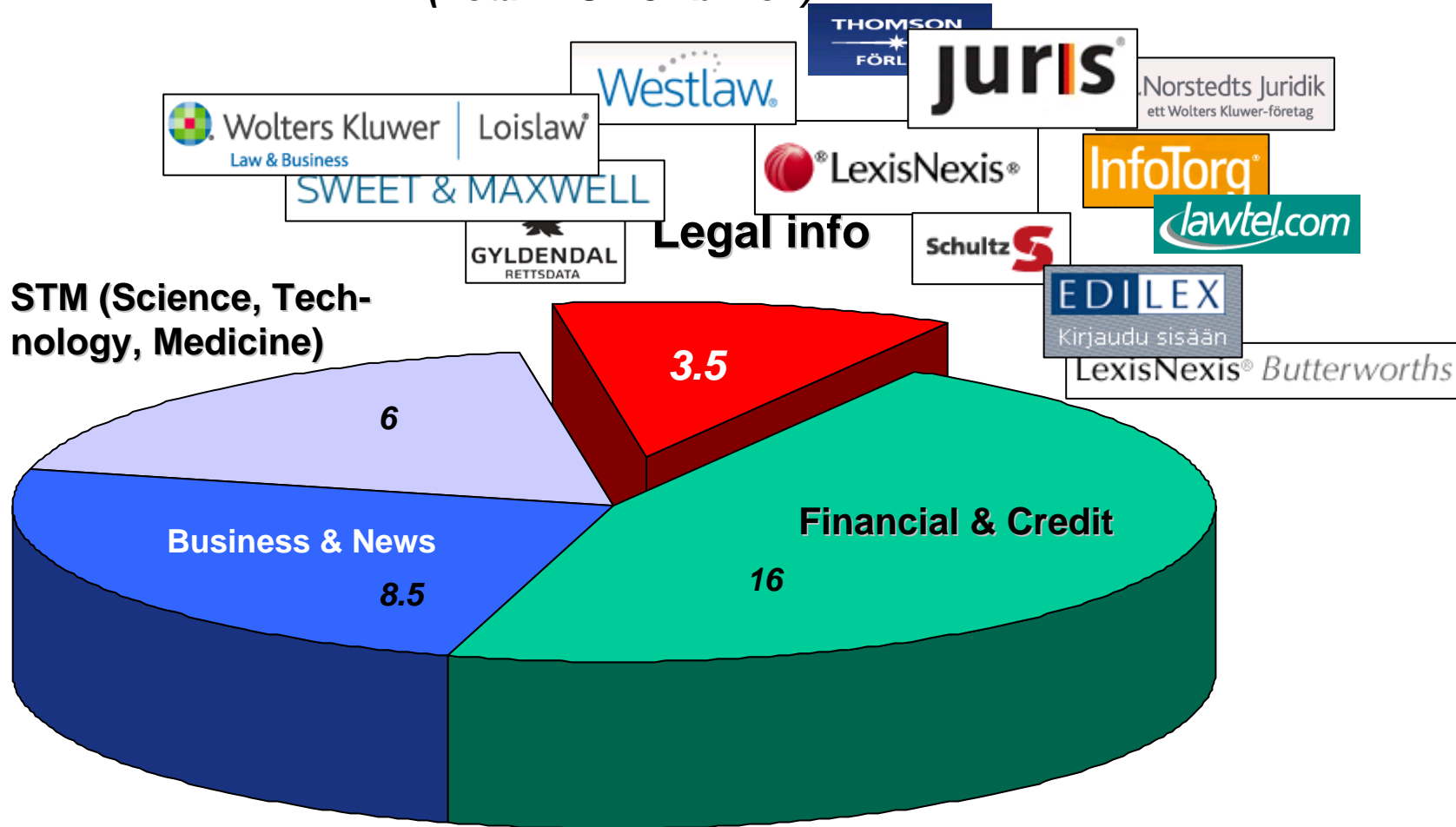
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The International online market 2007

(Total: EUR 34 billion)





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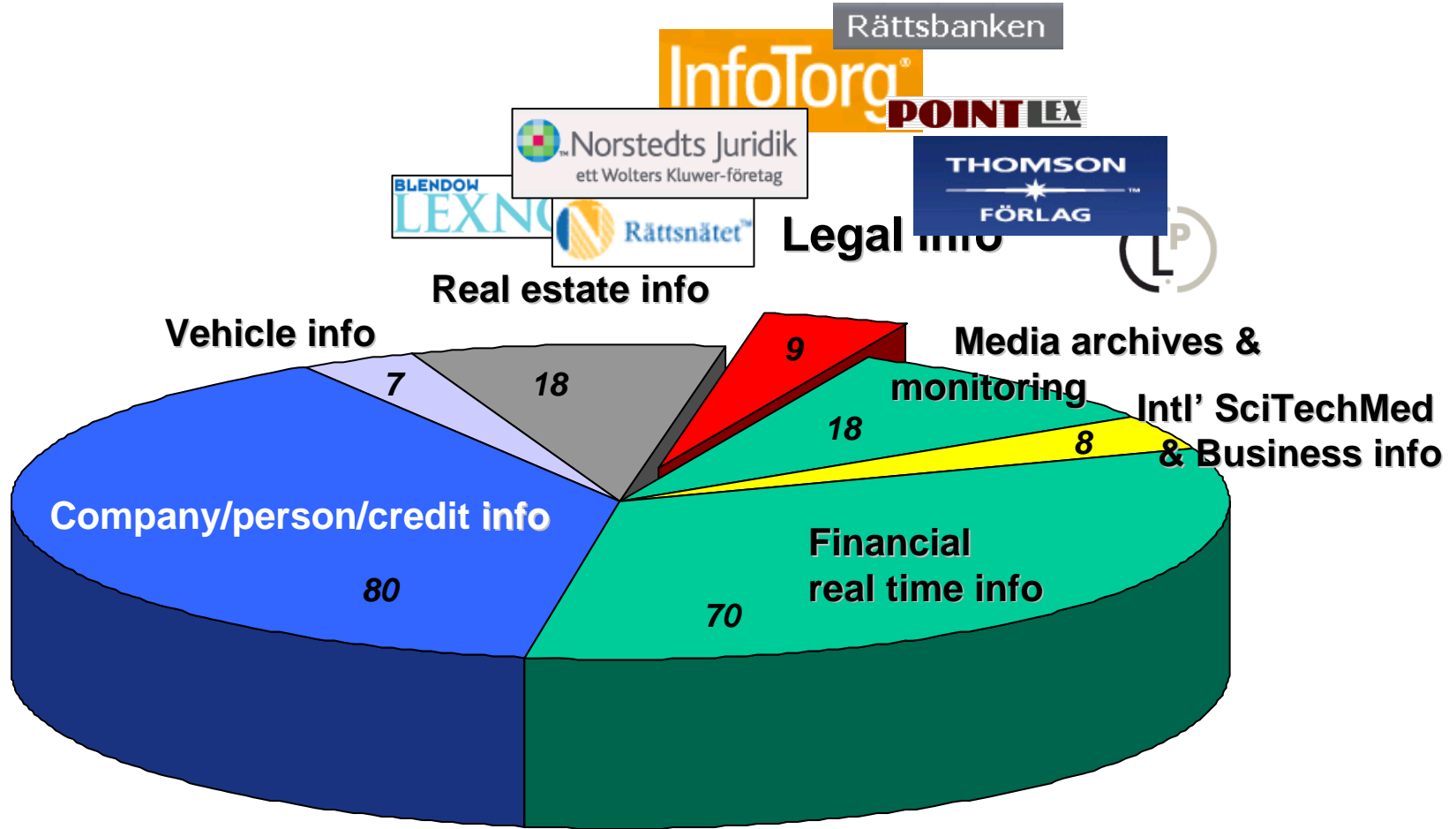
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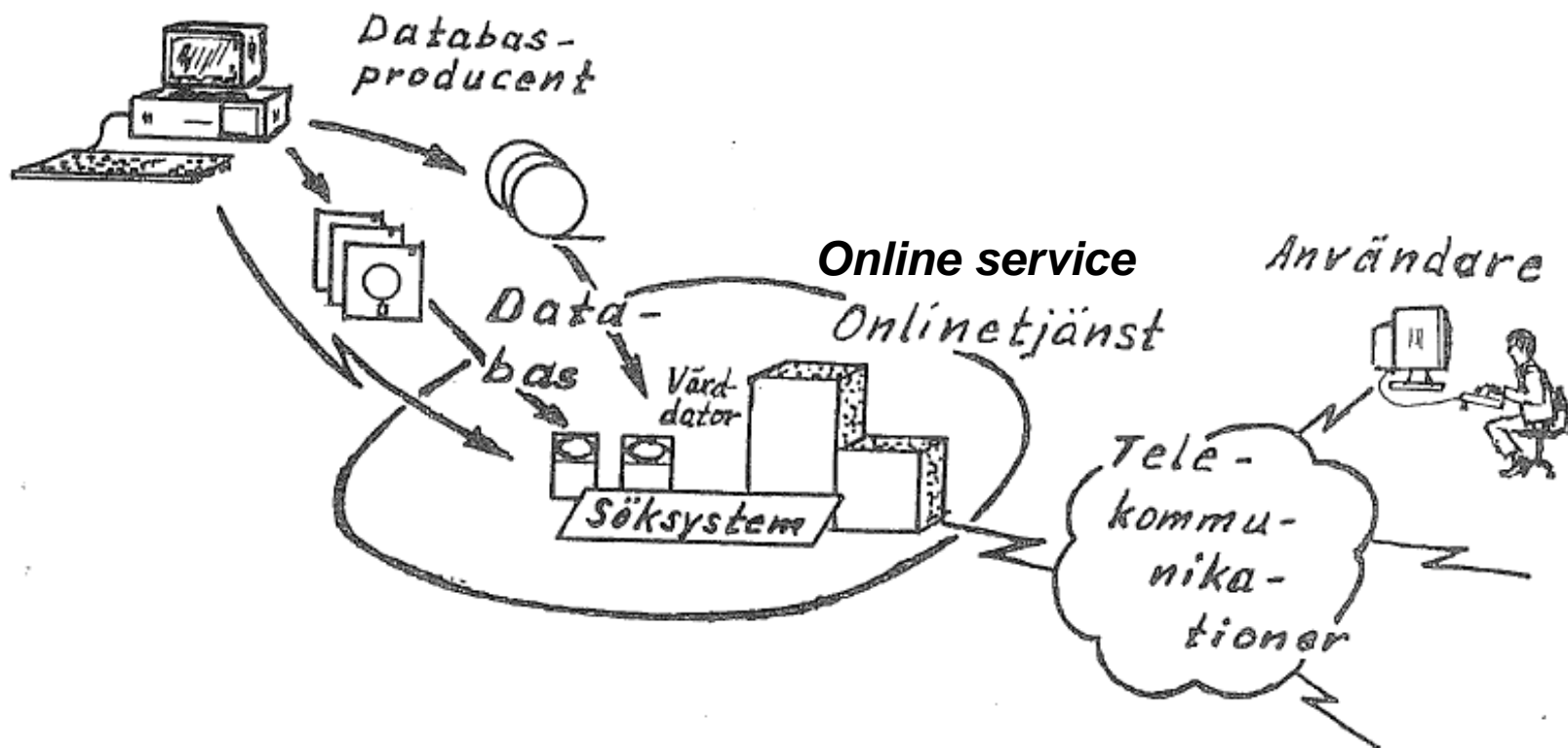
February 18, 2008 New Cases - Appeals Back to 1950

The Swedish online market 2007

(Total: EUR 210 million)



1987

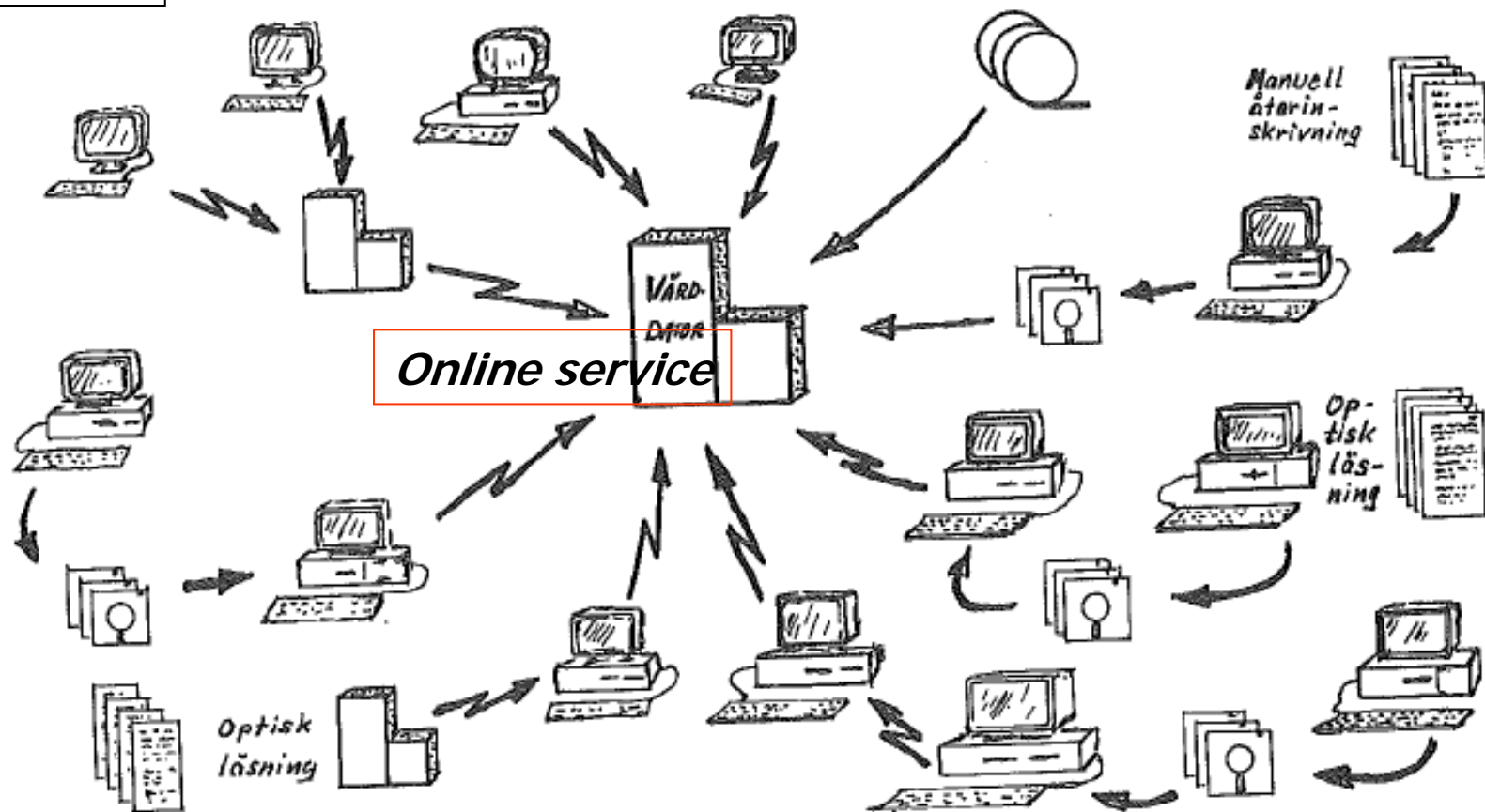


Figur 1 Ett informationssystemets viktigaste komponenter

Source:

Klasén, Lars: Juridiskt databasbygge. In: Magnusson, C. & Torvund, O. (red): Nordisk Årsbok i Rättsinformatik 1987

1987



Figur 3 Exempel på intag av material från databasproducenter till värddator

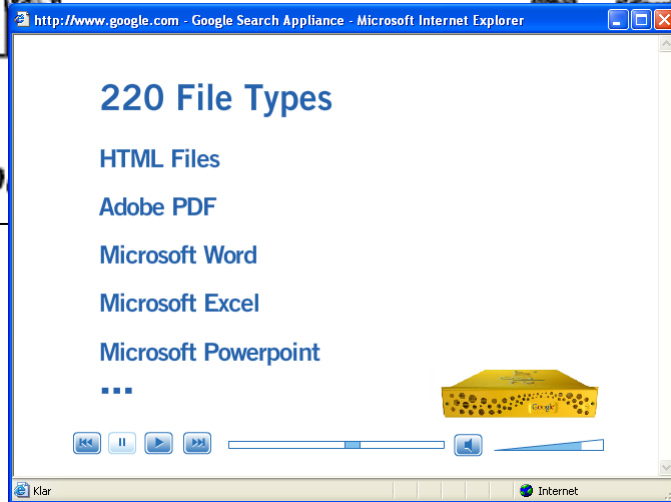
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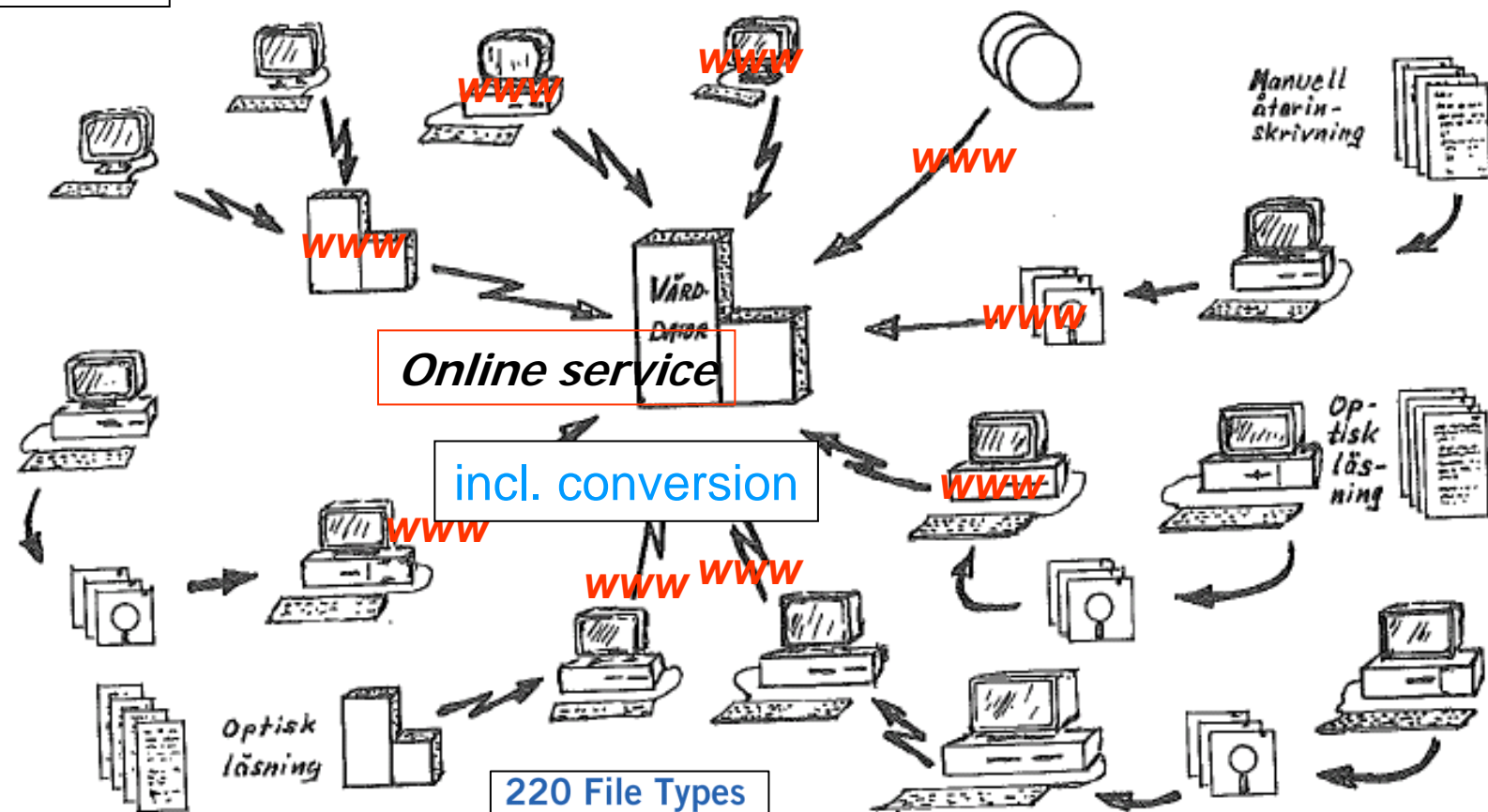


Figur 3 Exempel p



sproducenter till värddator

2008



Figur 3 Exempel på interaktion från databasproducenter till värddator

220 File Types

- HTML Files
- Adobe PDF
- Microsoft Word
- Microsoft Excel
- Microsoft Powerpoint
- ...

Early legal IR services & IR systems - a selection (2004)

<i>Service</i>	<i>Start (online)</i>	<i>Commercial start</i>	
LEXIS-NEXIS	1968	1973: Own system	
Westlaw	1973	1975: Own system I	1983: Own system II (~ QL/S)
<u>Nordic countries</u>			
Rättsbanken (Sweden)	1972: IMDOC	1981	1985: FIND-IT 2005: FAST
Rixlex (Sweden)	1993	1993: TRIP	
Finlex (Finland)	1973	1981: IMDOC/MINTTU	
New Finlex (Finland)	1997	1997: DynaWeb	
Lovdata (Norway)	1974: NOVA*STATUS	1983	1985: SIFT
Retsinformation (Denmark)	1979: STAIRS	1982	1983: BRS/Search (+ DC-Info)
<u>Rest of World</u>			
CREDOC (Belgium)	1969: First legal IR service in Europe		?
EC/CELEX	1973: STAIRS	1980: Mistral	1999: Oracle Context
JURIS (Germany)	1974: Golem	1986	?
CEDIJ (France) + *)	1974: STAIRS	1974 1982: BRS	*) <i>Jurifrance/ORT</i> : Fulcrum
Italguire (Italy)	1973: FIND	1981	?
Quicklaw/QL Systems (Can)	1970	1972: QL/Search	
CHH/Kluwer (Netherl.)	1979: STATUS		?
Lawtel (UK)		1980: Prestel	?
Eurolex (UK)	1979: STATUS	1980	1985: <i>Discont'd (bought by Butterworths)</i>
SCALE (Australia)	1977: STATUS		1997: SCALEPlus
AustLII (Australiasia)	(1984-95): <i>DataLex</i>	1997: SINO ("Own")	

Levels of the standard

[\[edit\]](#)

The Dublin Core standard includes two levels: Simple and Qualified. **Simple Dublin Core** comprises fifteen elements; **Qualified Dublin Core** includes three additional elements (Audience, Provenance and RightsHolder), as well as a group of element refinements (also called qualifiers) that refine the semantics of the elements in ways that may be useful in resource discovery.

Simple Dublin Core

[\[edit\]](#)

The Simple **Dublin Core Metadata Element Set (DCMES)** consists of 15 metadata elements:

1. Title
2. Creator
3. Subject
4. Description
5. Publisher
6. Contributor
7. Date
8. Type
9. Format
10. Identifier
11. Source
12. Language
13. Relation
14. Coverage
15. Rights

Note: MARC ...

Note:
Z39.50

Each Dublin Core element is optional and may be repeated. The DCMI has established standard ways to refine elements and encourage the use of encoding and vocabulary schemes. There is no prescribed order in Dublin Core for presenting or using the elements.

Full information on element definitions and term relationships can be found in the Dublin Core Metadata Registry.^[2]

Qualified Dublin Core

[\[edit\]](#)

Subsequent to the specification of the original 15 elements, an ongoing process to develop exemplary terms extending or refining the Dublin

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[Orrick to Trim About 40 Lawyers, 35 Staff - "Unrelated to Performance"](#)

13 Nov 1:30 pm by [Dan Slater](#)

Orrick Herrington & Sutcliffe, a firm that traces its roots to San Francisco, will lay off approximately 40 lawyers - both associates and counsel - in the firm's real estate, structured finance and corporate practices. In addition, the firm will cut approximately 35 staff. The firm says the layoffs are economic-based and unrelated to performance. The announcement comes the same week that international law firm White & Case said it would lay off 70 lawyers and 100 staff. In a statement,...

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Law Blog - <http://blogs.wsj.com/law>

[How I Made Partner at ... Skadden: "Make Yourself Heard"](#)

13 Nov 4:43 pm by [Dan Slater](#)

With layoffs left and right, it's easy to get down on BigLaw. When so many associates are finding themselves out of a job, who can think about making partner at a time like this? Sheepishly, we admit we still think about it. Last week, Davis Polk's newest New York partner, Aussie Frank Azzopardi, spoke to us about the importance of building your own practice. This week, we jump to Skadden's Los Angeles office, where Peter Morrison, 34, who started at the firm in 2000 and joined the partnership...

Tags: [Lawyers](#), [Firms](#), [038](#)



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Berners-Lee: Semantic Web's success lies in cooperation

By [Jonathan Bennett](#)
Special to CNET News.com
Published: September 19, 2006, 1:09 PM PDT

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Creating a Semantic Web will need organizations to think beyond their own industries, according to Tim Berners-Lee, director of the World Wide Web Consortium.

Speaking at a conference in Southampton, England, on Tuesday, [Berners-Lee](#) said all that was needed to build the Semantic Web was for existing databases to be exposed in standard formats.

The [Semantic Web project](#), headed by Berners-Lee, aims to add machine-readable content to address the fact that the Web is largely still a mass of unstructured data with little to link groups of documents together, and no way for computers to manipulate the information in pages.

Berners-Lee explained that the power of the Semantic Web comes not from a single source of data, but from when multiple data sources are combined.

"It's the serendipitous reuse that's exciting," explained Berners-Lee.

Citing his conference hosts, Ordnance Survey, as a prime example, Berners-Lee explained that the organization, which makes maps and

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Google exec challenges Berners-Lee

By [Candace Lombardi](#)
Staff Writer, CNET News.com
Published: July 18, 2006, 5:17 PM PDT

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A Google executive challenged Internet pioneer Tim Berners-Lee on his ideas for a Semantic Web during a conference in Boston on artificial intelligence.

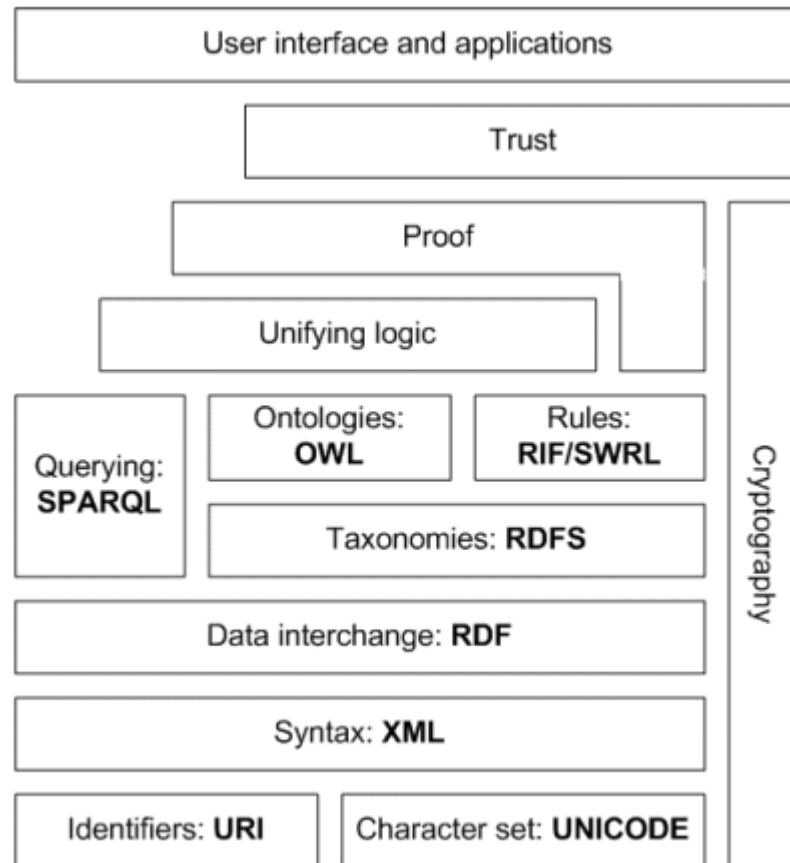
On Tuesday, Berners-Lee, the father of the Web and the current director of the World Wide Web Consortium, gave the keynote on artificial intelligence and the Semantic Web at a conference sponsored by the American Association for Artificial Intelligence (AAAI).

He said the next stage of the Web is about making data accessible for artificial intelligence to locate and analyze. [A Semantic Web, a Web with linked data easily readable by machines](#), would make available more knowledge for reuse in serendipitous applications by people and organizations who are not the ones who originally created or published the information, Berners-Lee said.

THE BIG PICTURE [RELATE](#)
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Semantic Web Stack

From Wikipedia, the free encyclopedia



... it is almost as though when God made computers scientists, he made them all think of law in the same way – as a system of rules.

...

Thus, the reasoning goes, if we can formulate these legal rules, then we can simply put them into a computer program. And, Hey Presto! You have a legal expert system!

Philip Leith (Computers and Law 1986:49)

The New York Times

October 10, 2005



Google™ 2084

By RANDY SIEGEL

<http://www.nytimes.com/imagepages/2005/10/10/opinion/1010opart.html>